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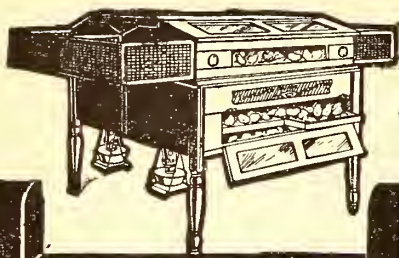
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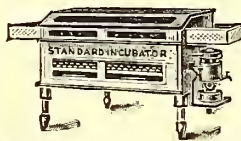
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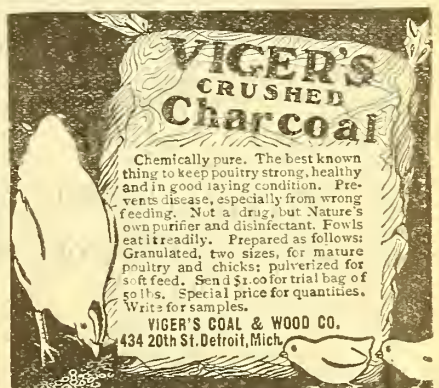
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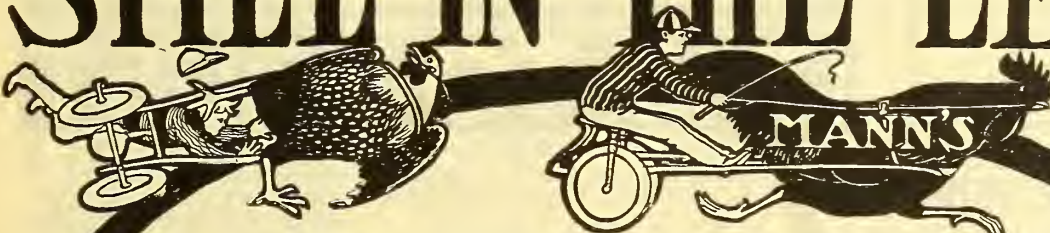
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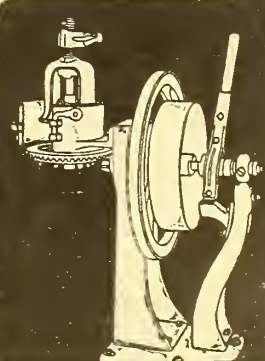
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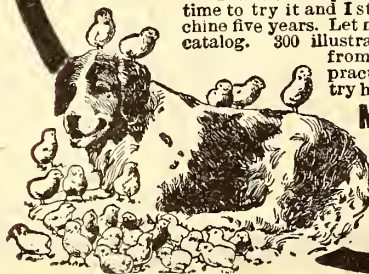
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copy of the Hand Book on "Hog Hygiene," with trade
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is accepted in ten days we will send you in addition the
wonderfully suggestive picture in colors, "Uninvited
Guests," suitable for framing, showing the pigs partak-

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This equips you for a successful hog business.

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Halbach's White Ply. Rocks

Will produce winners again. They are bred that way.
Send for circular, it will tell all about them and their
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Would be in Virginia, North Caro-
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Just a chirp of call to play,
Just a "peep," just a chirp, just a call,
Just a happy, little, fluffy ball.

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Rose and S. C. B. Minorcas

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White Ply. Rocks

It tells how to score them, written by Theo. Hewes, one
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ONE HUNDRED YARDS mated up with America's
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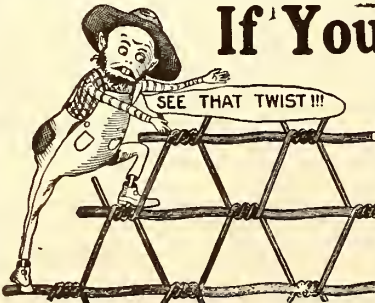
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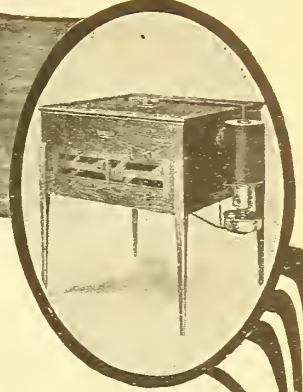
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MODEL

Incubators and Brooders

NOT THE CHEAPEST—BUT THE BEST

In placing the Model Incubator on the market one year ago I aimed to make it the most efficient hatcher ever produced. The severest test,—that of the practical poultrymen, the men who are in the business for a livelihood—has proven that I accomplished my aim. It is my intention that the "Model" shall always be the best—always in advance of its competitors. I make neither "second-grade" nor "boy's toy" incubators. Every incubator manufactured by me is the perfected product of my knowledge and skill, is built for business, of the best workmanship and material that brains and money can command. The Distinctive Feature of the Model last year was the perfected heating and ventilating system. This was at once recognized as a great improvement over the older system. Minor Features were the adjustable diaphragms above the eggs, and the adjustable split diaphragm below, to facilitate cleaning. In the heater, the smoke-flues were pressed together and riveted by special machinery, making it as though molded in one piece, and rendering it impossible for the lamp fumes to sift through the joints into the fresh air flues; the lamp bowl with seamless bottom, reinforced to prevent the "bellows action" when handling; mechanically perfected regulator bearings; a handsomely finished hardwood case, screwed together, and guaranteed to withstand all action of heat or moisture. The Distinctive Improvement For 1905 is a new thermostat, the actuating principle of the heat regulator, which gives an unusually large amount of movement, and is as sensitive and accurate as a thermometer.



William H. Truslow, of Stroudsburg, Pa., one of the country's largest duck breeders, writes of it:—"The new thermostat is a wonder." G. A. McFetridge, Norwalk, Conn., an old breeder and inventor of incubators, says of it:—"It is the best acting thermostat I have as yet tried." The Meadow Brook Poultry Co., Dallas, Pa., proprietors of the Meadow Brook Farm, "The World's Largest Poultry Plant" write:—"Your new thermostat is more sensitive than any other tried, and will prove a labor saver." Many of the largest practical poultry farms are now discarding other makes of incubators, including my earlier design, and are installing the "Model." Among them are "The Crystal Spring Duck Farm, Oil City, Penn., William H. Truslow's Duckery, Stroudsburg, Penn.; Joseph D. Wilson's Pine Tree Chicken Hatchery, Stockton, N. J., and the largest soft-roaster farm on the South Shore writes as follows:—

Assinippi, Mass., Nov. 21st, 1904.

Mr. Chas. A. Cyphers,

Dear Sir:—We have tried the Model and find that it hatches a larger percentage of the fertile eggs than the Cyphers, and the Chicks are stronger—the kind that live. We could not afford to use the old machines, and have replaced them with the Model, purchased of your New England agents, Messrs. Hollis, Park and Pollard.

Respectfully yours,

FARRAR BROS.

The Model Colony Brooder, an entirely new creation last year, proved one of the most successful and popular brooders ever offered the public. The points of superiority that were particularly commended were its accessibility for cleaning without removing the chicks; the total absence of draughts and hot spots in the nursery; and the light and cheerful wholesomeness of both the nursery and exercising compartments. Almost without exception my customers report that they raised practically all the chicks placed in the Model Colony Brooder. The President of the American Poultry Association writes:

"I think you have the right idea in a brooder. It does the work to my entire satisfaction. Have run one through three broods, only losing one chick, which I killed because it was a weakling."—D. Lincoln Orr.

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White Wyandottes

—AT BARGAIN PRICES—

Trics, \$5 up; single birds, \$2. Young and old birds with score cards from Shellatarger.

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I Will Sell Bronze Turkeys

young or yearlings. 40-lb. Bronze tom and offspring. (National Strain). Barred P. Rocks, good as the best; stock direct from Bradley Bros. A few White Wyandottes and Pekin Ducks of best blood. Write me for prices. Bargains. Reduction made in dozen lots.

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I have 40 cockerels, \$2.50 to \$10, combining quality and utility that can't be beat anywhere for the price. I have been right here breeding and selling Barred Rocks for ten years and expect to keep it up as long as I live. Write me your wants. I will treat you right.

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H. O. SEARS, Breeder of Fancy Poultry

The home of the B. P. Rocks, also B. B. Red Game Bantams, Buff Cochins Bantams, Bronze and White Holland Turkeys, all standard varieties ducks and geese, including Blue Swedish Ducks and Wild Geese. Stock always for sale. Ornamental birds furnished for public or private parks. We win our share of the prizes wherever we show. Plenty of young turkeys. Satisfaction guaranteed. Garden Prairie, Ill.

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Duston's breeding and exhibition birds of high quality, farm raised and bred in line from my prize winners. While they did not get any ribbons at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable prices, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN, Beardstown, Ill.

..Riverside Poultry Yards..

C. B. HUFF, Box C., Delaware, N. J.

16 years' experience breeding prize winning poultry. Eggs for hatching from my famous Single and Rose Comb R. 1 Reds, B. P. Rocks, White Wyandottes, S. C. B. Minoras, S. C. W. and Brown and R. C. B. Leghorns, \$1 per 15, \$5 per 100. Prize Light Brahmas \$1.50 per 15. Catalogue free. Can fill large orders. Correspondence cheerfully answered. Write your wants.

Hatch a Batch

FREE

Don't buy an incubator till you have hatched chicks in the Badger. It will please you so much you'll not think of buying another. It's so easy to run one—only five minutes attention morning and evening. Then it's easy to buy a

Badger Incubator



You use the machine free for 30 days. If you like it, you pay for it; if not, back it comes to us. Write us for our free catalog that explains it all.

Pure Bred Poultry for breeding and exhibition in all standard breeds and varieties always for sale. They're money makers. Eggs for hatching. Write for prices and free catalog.



Badger Incubator Co.

Box 34

Delevan, Wisconsin



IF YOUR INCUBATOR IS A

BUCKEYE



1890 It hatches a strong, vigorous chick from every good egg put in it. You raise more of them, 1905 than if hatched in any other incubator or under hens. It is absolutely self-regulating. No supplied moisture.

HUNDREDS HATCH EVERY EGG USED

PRICES BELOW ALL COMPETITORS

Don't take our word, but write our patrons. Among those, doing this with our incubators are: Mrs. E. E. Brack, Haverhill, Kan.; Mrs. W. F. Graham, R. R. No. 1, New Hartford, Ia.; G. F. Mankin, L. B. 64, Luther, Mich.; Bert S. Robinson, R. 3, Urbana, Ohio. Send for FREE catalogue, giving others in every state.

\$4.50 How is this for a 50-Egg, hot water, self-regulating incubator. Or for a 100-Egg size, of the same, all ready to operate, \$8.50. \$13.75 for a 200-Egg size, which has hatched 146 chicks from 200 eggs. Think of a complete outfit, both Incubator and Brooder, 50-Egg size, ready for use, \$7.50.

Don't keep it if it don't suit in every respect. Sold on

30 DAYS' TRIAL

Brooders all sizes and kinds, from \$3.00 up.

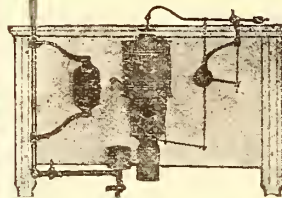
BUCKEYE INCUBATOR CO..

Box 2

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Will Your Incubator Do This?

Will your incubator hatch a setting of eggs with one-half the oil you now use? Will your wick burn 21 days without trimming? Will your regulator control the flame, raise or lower it as required? Will your burner burn without charring wick, overheating, causing liability to fire? Will your machine save half the time, half the labor, half the cost of operation? Put on this outfit and it will do even more. It will make your old machine do better than it ever could do, besides save you many dollars and much annoyance. Its combined damper and flame regulation alone saves half the oil. Its burner saves danger from fire—can't overheat. Its wick saves trimming—never needs it. Its regulator controls both flame and damper (see cut); this avoids too high or too low a flame.



saves seventy-five per cent. of gas.

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make hatching or rearing both pleasurable and profitable. Sold separately or together. Fit any machine; any one can attach them. Send for catalog giving detailed description and our full line of fixtures, including illustrated plans for building the famous Peerless Incubators and Brooders. Nearly 100 photographic views showing step by step every stage of incubator construction. It's free. Our new gas regulating burner for incubators.

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If you are a beginner or an expert be certain of results. Incubators differ. The Incubator for any climate, the one with the best hatching record, that heats, ventilates, regulates and supplies moisture properly, all thoroughly automatic in its workings, is the

Petaluma Incubator

The "Standard of the World"

Awarded Gold Medal at St. Louis Exposition, 1904.

Made of California Redwood, Copper and Brass.

Catalogue free. The Catalogue tells you exact cost to your nearest R. R. station or steamer Landing.

Petaluma Incubator Co.

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Strongest made. Like all Page Fences require fewer posts than others, and no boards either top or bottom. Cost no more erected than common nettings—look better and last a lifetime.

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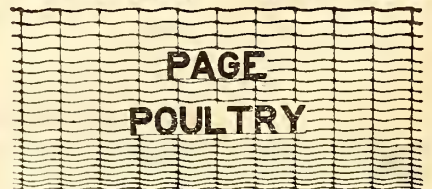
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...Partridge Wyandottes...

Won 1st cock, 1st pen, 2d pullet in competition with the best in the world. Our **SILVER PENCIL** **WYANDOTTES** are just as good and we have hundreds of the finest exhibition and breeding stock of both varieties for sale.

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1904 100 Per cent Reports

OUR EIGHTH ANNUAL

1905 circular is out. Send for it, it is free. This circular gives you an idea what our Natural Hen Incubators and Brooders have done for the beginner and old timer. All over the United States in 1904 dozens hatched and raised 1000 per cent and averaged over 90 per cent, where all others, side by side, did not average 40 per cent. This new circular gives 1905 prices and improvements, etc.; full of information as ever. Our 96-page catalogue—Nature's Laws and the Hen's Secret, 15c. It is copyrighted and worth \$100 to any poultry breeder. Nothing like it has ever been in print. Published in 1904 by J. M. Soutag. Tons of air is our secret of success.

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500 Fine Breeding Show Stock Left

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More birds to select from and can afford to sell cheaper now than after I have wintered them. My winnings speak for the quality of stock. Live and let live prices, fair dealing and your money's worth is my motto.

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Breeders of Black Javas, Buff Rocks, Buff, White and Golden Wyandottes, Partridge Cochins, Buff and White Leghorns, also Buff, White, Black and Partridge Cochins Bantams. Eggs, \$1.50 and \$2 per sitting. Look for my birds at the shows.

C. F. McLAIN,

Belvidere, Ill.

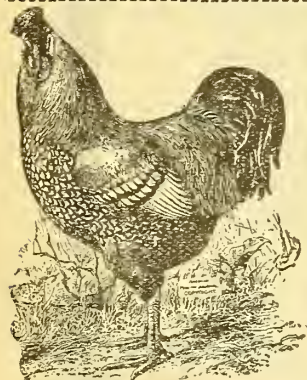
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Feed cut clover or alfalfa—the cheapest and most productive poultry food for winter feeding. Great for all poultry—especially ducks. Don't buy so-called "clover-meals"—half dirt and dust. Cut it yourself with a new

HUMPHREY Rapid Clover CUTTER.

Cuts finer, more rapidly and more easily than any other. Fine enough for young chicks—no pieces over 1/4 inch. Double knives, strong and durable. Unlike any other.

Send to-day for "Poultry Helps," Humphrey's new book of Poultry Specialties. It's free and it's all right. Address **HUMPHREY, New Street Factory, Joliet, Illinois.**



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We have just come home from showing at the big State and County Fairs where we captured a grand total of

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This guarantees the quality of our stock. We have hundreds of birds just as good as the prize fowls for breeding and laying purposes, which we wish to sell at once. For the next **30 days** we quote these remarkable prices:

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Mammoth B. Turkeys

Good breeders and exhibition stock for sale.

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CYCLE HATCHER FREE

For the next 30 days we will give away the new 20th century Cycle Hatcher. They are the latest discovery in artificial incubation. Regulation automatic and scientifically exact. We have made arrangements with the Cycle Hatcher Company to furnish us a large number of these machines. Send 25 cents for one year's subscription to The Poultry Review and full particulars. **POULTRY REVIEW, Salem, N. Y.**

Originator EMMEL'S "Gibraltar Victor" Strain

Light Brahmas, S. C. Buff Orpingtons and S. C. Brown Leghorns

Were never defeated, always winning the blue at National shows for me and my customers. Stock and eggs.

H. A. EMMEL, Box R. 31, Mars, Pa.
Expert Poultry Judge.

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Because of business relations I am obliged to move into the city, and so offer for sale my entire stock of Buff and White P. Rocks and Golden Wyandottes except one pen. I also have a few more White Cochins Bantams to offer. The above stock includes my prize winners and my best stock. Exhibition coops for sale cheap. Describe stock you wish and write for prices.

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MILES' BARRED ROCKS

are in front among the best on earth. Distinguished for unusually narrow, clear, ringy barring, birds of my exclusive breeding in my hands winning five-sixths of the prizes competed for. My customers have an almost sure thing.

G. A. MILES,

Laceyville, Pa.

Evans' Buff Cochins

A choice lot of cockerels and pullets for sale. Also a few of this year's breeders. Write for prices. Catalogue free.

A. A. EVANS

Bement, Ill., U. S. A.

There are good things in store for incubator and brooder users this season. The Cornell Incubator Manufacturing Co. have in their 1905 model Cornell Incubator a machine which they claim is at least **ten years ahead** of anything yet produced, and they **absolutely guarantee** that it will hatch every fertile egg which will, **under any conditions**, produce a **healthy chick**. More than this, they will furnish to their incubator customers, copyrighted instructions indicating a system whereby may be determined what eggs are fertile and those that are not, **before they are put in the machine**, thus enabling the operator to save nearly all, and with practice perhaps all of the eggs which have heretofore been "tested out" and thrown away at different stages of the hatch. Who will say that this is not "a step ahead?" When it is appreciated that **practically all** of the **valuable improvements** on **incubators and brooders** of the **past five years** have been evolved by the Cornell crew of experts and patents obtained by the Cornell Company, it is not surprising that they should have discovered this important law of nature, which comes as a revelation and a godsend to the thousands of incubator users throughout the world.

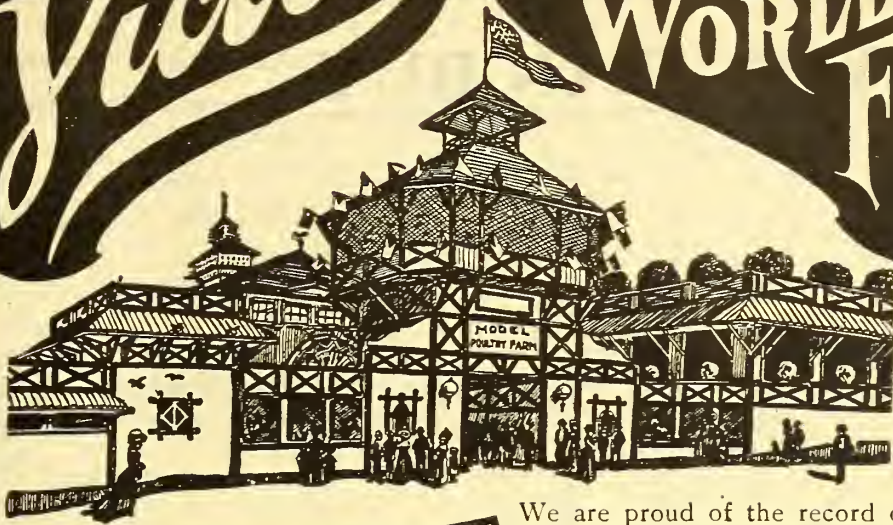
\$5,000 in GOLD

TO USERS OF

Cornell Incubators

In addition to all these good things the Cornell Incubator Manufacturing Co. offers **five thousand dollars in gold** to users of incubators of Cornell make, in legitimate competition. The prizes will be awarded as follows: Capital prize **one thousand dollars**; second prize **five hundred dollars**; third, fourth and fifth prizes **two hundred and fifty dollars** each; the next five **one hundred dollars** each; the following ten **fifty dollars** each; the next forty **twenty-five dollars** each; and seventy-five consolation prizes of **ten dollars** each. Never before in the history of the world have such opportunities come to the poultry fraternity. Intending purchasers of incubators and brooders will do well to place their orders early with the Cornell Incubator Manufacturing Co., 10 Brindley Street, Ithaca, N. Y. and get the full effect of their liberal benefits to customers. Write to-day for full particulars.

THE Victor AT THE WORLD'S FAIR



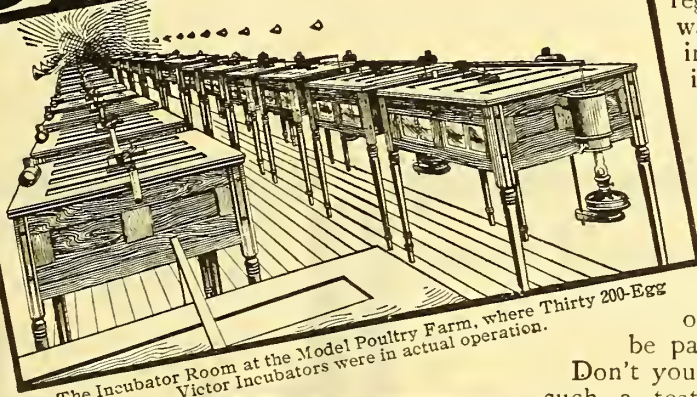
We are proud of the record of our machines used at the Model Poultry Farm, Louisiana Purchase Exposition. Day by day the hatches came off regularly and satisfactorily. There was no failure, even during the trying days in the early spring when the incubator room was flooded, when the water even put out the lamps under the machines. But the machines held the heat, and full hatches came off in due time.

We consider the selection of our machines for the Model Poultry Farm and the enthusiastic endorsement of its management after the eight months of the fair, the highest tribute that can be paid any incubator.

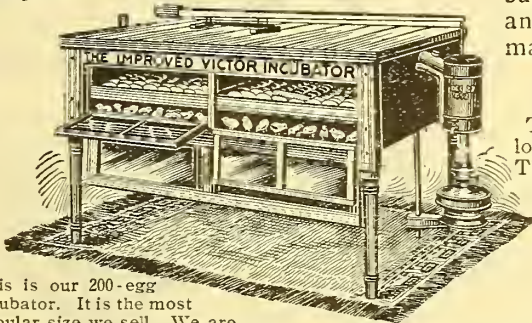
Don't you think that a machine which has stood such a test as this, will prove satisfactory to you and that you owe it to yourself to investigate our machines and methods before you purchase?

The Victor Book

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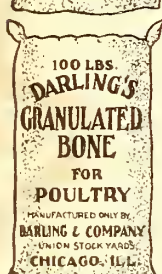
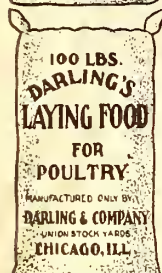
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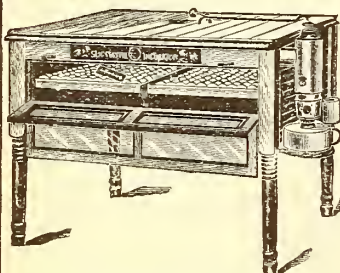
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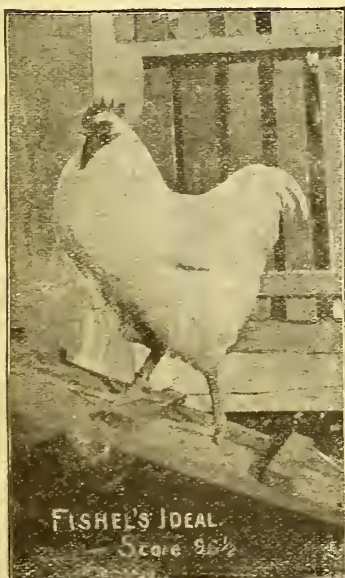
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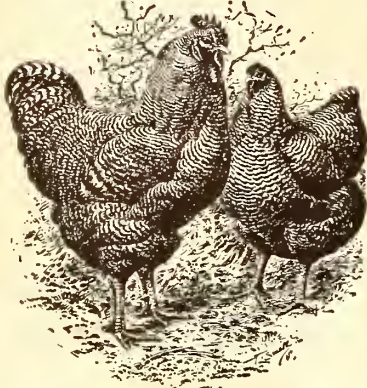
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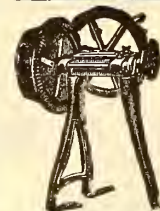
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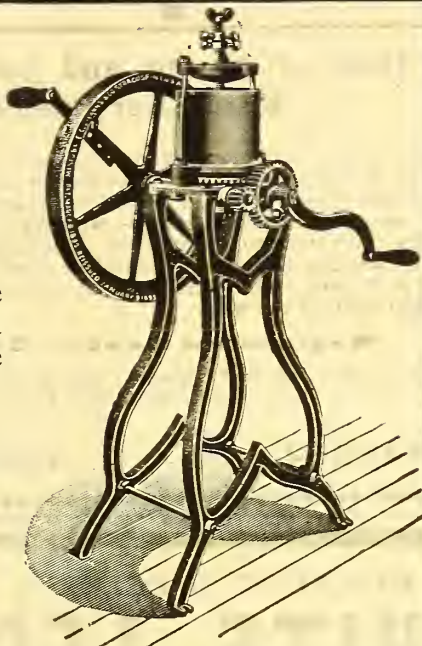
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PORTABLE
HENNERY OUTFITS
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Very choice WHITE KAFFIR CORN.....	1 50	6 50
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Something very fine, its all meat, STEEL CUT OATS, scarce and no		
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FINE vigorous breeding Cockerels of extra good plumage, carriage and head points at exceptionally low cost. A class of birds which those who wish to introduce our strain into their flocks and do not want to pay a high price, should purchase. Our strain of birds is noted for its heavy egg producing ability, its vigorous, healthy stock and high percentage of standard points. The purchaser of one of these Cockerels will ingraft into his flocks these most desirable qualities.

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Is the best record on any varieties, competition considered

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Edith E. and White Wonder, Both winners of the most coveted prizes at all the largest shows. They are unquestionably without a peer. Both are absolutely white, *stay white*, which makes the original "World's Best" flocks so popular. Note their shapes. Painted from life by William A. DeBolt, Peoria, Ill. Bred and are owned and will be found in our yards. J. C. Fishel & Son, Hope, Ind.

American Poultry Journal

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

Vol. 36

Chicago, Ill., January, 1905.

No. 1.

The Fancier in the Poultry Yard

The Mating of the Breeding Pens this Month in Order that the Early Chicks May be Secured for Early Maturity.

One Way in which to Secure the Greatest Amount of Value from the Best Stock—A Good Manner in which to Introduce New Blood into the Flock.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal.

The work of mating, of the selection of the specimens which are to occupy places in the breeding pens, will early this month receive the careful consideration of the fancier.

It is none too early, even in the north, to mate the breeding stock. Year by year the importance of getting out early-hatched chicks is made more plain to the thoughtful fancier. It is such chicks properly hatched, reared and handled that pay the big profit. Not only this, and of far more importance to the true fancier, is the fact that such chicks are the ones from which we must select our breeders year after year, in order to obtain the best results. This is true from either view point—that of fancy or of commerce.

No breeder can annually breed from late-hatched, and, consequently, immature stock, and have strong, healthy and standard size stock.

It can be truthfully said that the using of immature male birds as headers of breeding pens, is the cause of a very large number of failures in the standard bred poultry business. Most certain is it that the use of such males and immature females as breeders accounts for so many breeders finding it impossible to select specimens of proper size and development to represent the breeders in the show rooms in the late fall and early winter.

The late hatched cockerels and pullets cannot, in the very nature of things, possess vigorous breeding power at the opening of the following breeding season.

We must have matured size and vigor, especially in the male bird heading the breeding pen.

With any other male occupying this important place we fall far short of best results.

* * *

The fancier whose stock has been properly housed during the winter has been at work on the formation of the breeding pens all winter. Every day he has noticed the condition of each individual specimen—watched its development, or seen it fail to “come along” as it should. When he placed the stock in winter quarters he made his selections of breeders, *provided* each of these specimens developed into the kind of stock they then promised to do. But here and there one failed to meet the high ideal of the fancier. Now such specimens are set aside. Only the best—the very best—specimens can be given a place in the breeding pens. It is quality, not quantity, we desire and are bound to have.

* * *

Let us now consider what is required, as the quality, in the male bird which is to head the breeding pen.

We hold fast to the fact that this male should be matured as to size and weight. If the specimen has been properly fed and otherwise cared for, he should be full standard weight. If he is not up to standard weight, it is conclusive evidence that he is under-size. Size is of the utmost importance, and is too frequently overlooked. We must use no specimen in our male line that is not the best representative of the breed or variety we are breeding, because that male line will be kept

unbroken by the successful breeder for years and years.

A cock bird that is under size should not be used. Such a male has no place in the fancier's yard.

If the cockerel you have intended placing at the head of the breeding pen is not *now* full size, set him aside. He should be of required size and weight by January 1st if of early hatch.

Sexual development should not be mistaken for breeding worth and power, as it too often is.

In the selection of the breeding male color markings are of secondary consideration. Size and weight and vigor are of first consideration, even though it be a fact that male controls the color of the offspring to a greater extent than does the female.

An unmatured, weak male cannot sire desirable chicks, no matter how nearly perfect he may be in color markings.

* * *

How the fancier who has devoted years of time, and accompanying thought and care, in the building up of a strain of fowls, loves the hens over there in the pen. To him they are the Crown Jewels of his yards. He *knows* just what their breeding qualities are. They have been found right by test. He knows that, properly mated, they will give him a lot of chicks of uniformly high quality. He is taking no chances on them. They may not be quite as gay or quite so pretty as the charming pullets in the adjoining pen, but the old fancier understands all that. These hens have aged; they have gone through several moults; they have come through without developing serious faults in color, and have held shape and form well.

They are, therefore, of *known quality*.

The most beautiful, and to all appearances, the best pullet in the next pen, the one which, perhaps, wins a prize in the large show, may go all to pieces as a hen and be worthless as a breeder.

It is taking chances, big chances, every time we breed from a pullet or a cockerel.

No matter how well bred a pullet or a cockerel may be, we do not, cannot, know to a certainty what breeding qualities either possess.

It is the fully matured cock and hen we can breed with knowledge and known safety.

However, pullets are in the majority in the breeding pens the country over, and, therefore, we must consider the selection of them as breeders.

It is well to proceed along the same lines, so far as size and vigor are concerned, as characterized our work in the selection of the breeding male.

Make size and weight and shape the first consideration.

Let the pen pullets be as nearly uniform as to shape and size and color as possible. Above all, do not give the male a number of females differing radically in shape, and in color markings. If you do give him this illy assorted lot please do not be disappointed next summer in the quality of the stock produced.

If, in your lot of pullets you have but two or three of extra good quality, let that two or three constitute the female side of the pen. Stand firm on that proposition. It will require considerable will power for a young or inexperienced breeder to do this, but he who does so will be the winner.

Bear in mind that a few extra good chicks are worth more than any number of poor ones, or a great number of fairly good ones.

Do not make the common mistake of giving the male about the number of females he can care for and letting it go at that.

This manner of mating breeding pens is too commonly practiced.

By such a mating the breeder is at sea. He knows nothing as to the individual breeding of any of the young stock, so far as

the female blood line is concerned. The next season he must mate his pens solely upon the *appearance* of the quality of the stock.

No breeder can ever obtain satisfactory results by so doing.

* * *

In nearly every flock there is one hen or pullet that is far superior to the others, a specimen of exceptional quality.

By the haphazard mating, that of placing a number of females with the male, eggs from this best female may or may not all be used for incubation. If they are, the chicks from them will not be kept separate or punch marked.

Every egg from this choicest female should be used for incubation, and the chicks therefrom given special care.

Comparatively few breeders will use the trap nest.

A good way to handle this best female is to build a small pen and yard adjoining the regular pen yard.

Place this female in this yard during the breeding season.

It is in the introduction of new blood that so many breeders make a mistake.

If you are going to need new blood soon, there is by far a better way of securing it than by purchasing a male of distinct blood lines.

Purchase the best hen you can obtain and use her this season as we above advised you to use your own best female.

The chicks from this new hen will this year be one-half the blood of your own strain, and one-half that of the strain upon which you have drawn.

Next season mate the best pullet secured this year from this hen to one of your own strain males.

The chicks from this mating will be three-fourths the blood of your own strain, and one-fourth the blood of the original female purchased. This infusion of new blood, one-fourth, will be sufficient to carry your stock in perfect health and vigor, and the stock will retain the markings and characteristics of your own strain.

Bear in mind that the public will demand better quality in



MARY E.

First Prize White Plymouth Rock Hen at the Great World's Fair, St. Louis. Bred, owned and exhibited by U. R. Fishel, Hope, Ind. Mr. Fishel values this hen at \$500.

Allow the male to be with her for half an hour or so a day. Then remove him to his regular pen quarters.

Set all eggs from this female. Punch-mark the chicks and give them the best of care.

You will be surprised how well you will be repaid for this little extra labor.

The lot of chicks will be of uniform quality, high grade and practically every one of great value, comparatively.

It will give you an insight into the pleasures and profit to be derived from line-breeding.

The following year you can mate the best of these pullets to their sire and still improve your stock.

You can establish a male line by the same year breeding this hen to the best of the cockere's secured from her eggs this year.

standard-bred poultry during 1905 than it did during 1904.

Do not lose sight of the fact that the pleasure and the profit is in producing the best quality of stock.

The breeder who raises just fair to good stock has to compete with thousands and has no voice in fixing the price.

The breeder who produces extra choice stock has but little competition and can fix his own price.

It is the best of everything the world is clamoring for, but cannot secure.

Be among the leaders. There is no field of operation more inviting, more sure to yield a rich return to the careful, thoughtful, earnest worker than that of standard-bred poultry breeding.

A successful year to each and every one of you—and you will secure it if you deserve it.

THOS. F. RIGG.

GETTING BEFORE THE PUBLIC.

Selecting the Foundation Stock—Attending the Poultry Shows—Culls are Poor Advertisements—Shipping Promptly—Use Good Stationary.

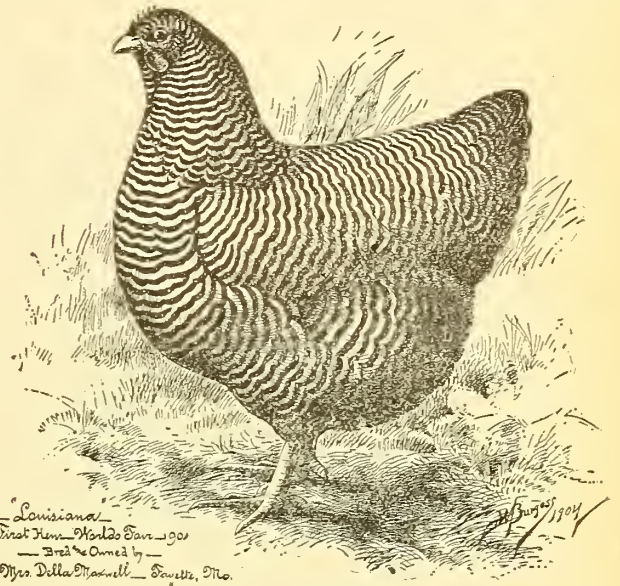
To desire to get prominently before the public as a fancier and breeder, and establish a paying business in thoroughbred fowls, is a worthy ambition, and the beginner who is not ambitious of this kind of success would better stop before he begins at all. This is not the "vaulting ambition which o'erleaps itself and falls on the other" that Cromwell was advised to "fling away," but the ambition which benefits the possessor and the public, which stimulates the beginner to employ the best methods and leads him to obtain the best results.

To begin at the beginning there should be a wise choice of the variety to be kept, and a wise choice demands, first of all, the selection of a variety suitable to the environment, one that can develop its highest possibilities in the place where it is to be kept, one that will be helped by, and not have to contend with, its surroundings. It is a commonplace observation that the Light Brahma will do best upon a granite soil, that the Dorking will thrive best on dry land, that black fowls are especially suitable for hot climates, and that the fowls with the black-red coloration are specially adapted to situations where iron abounds in the soil. While every variety will adapt itself to any surroundings, some varieties will do better in one situation than another in a different situation.

Again a wise choice means the selection of a variety best adapted for the special purpose in view. Every beginner has, or should have, not only a desire to succeed in his efforts, but also a special purpose to be accomplished. Back of the ornamental characteristics of the variety lie the practical qualities. Upon the practical qualities, as upon a solid foundation, rests the superstructure of the ornamental, the so-called fancy qualities.

No breeder can expect to attain the highest degree of success in breeding fancy fowls as a business, who ignores the practical qualities of his poultry. The beginner, therefore, should select his variety with some reference to the practical side of the business. In respect to practical qualities, fowls are divided into three classes, layers, table fowls and general purpose fowls. If the beginner desires eggs he should select from the great laying breeds, like the Mediterranean and Hamburgs; if he prefers table fowls, his choice should be made

he should make a wise selection of the foundation stock. To do this, the beginner will need to consult some expert, some one thoroughly familiar with the variety and its breeding tendencies, for at the outset he needs greater knowledge than he possesses. If, however, he will purchase a small pen of the selected variety, properly mated for breeding, from a well-known successful breeder, and will allow the seller to make the choice, he will be likely to get the proper foundation stock. In making this purchase he should not limit the seller on the price to be paid, and should not ask for exhibition, but for breeding fowls. What he ought to purchase is a pen of the best breeding fowls, mated to produce chickens that will



BARRED ROCK HEN.

Winner of first prize at World's Fair, 1904. Bred and owned by Mrs. Della Maxwell, Fayette, Mo.

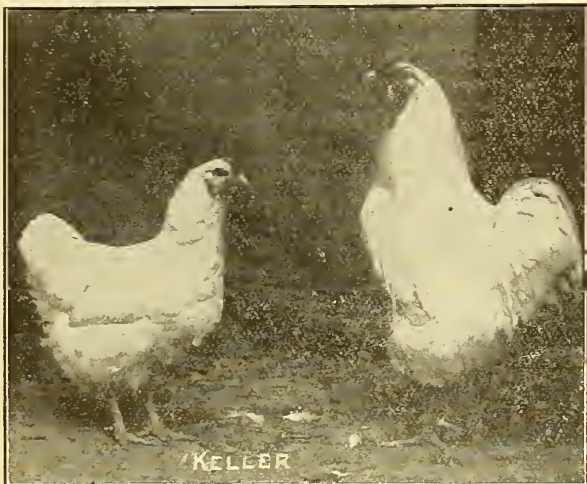
develop into exhibition birds. Better pay fifty or one hundred dollars for five first-class breeding birds than to have second-class birds as a gift. The fowls will give him an object lesson in the proper mating of the variety as well as produce for him chickens worthy to exhibit and fit for sale.

The beginner, after the purchase of a foundation stock, should make a careful study of the origin and history of the variety, so as to know the elements of its make-up and what to expect in the way of reproduction. He will be aided in this study by the purchase of the best books and the reading of the best poultry journals. The former will give him the history, the latter will put him in touch with the latest thought upon the subject. The man who can afford to do without literature of this character was never intended to be a successful breeder. He should study the standard of the variety to know what characteristics are demanded in a successful exhibition specimen. And in addition to this, he should study the variety itself, his own fowls, the fowls of his neighbors, and especially those found in exhibitions. Until he has mastered these details, he is not prepared to make proper matings of his own stock, and so is not prepared to do the work that stamps a man as a competent breeder.

Having done all this, and so having laid the foundation for success in breeding, he should study next the best methods of rearing the chickens. Good blood and excellent matings are only a beginning. The rearing makes a wonderful difference in the actual quality of the stock. Chickens hatched from eggs laid by the same fowls, but reared by different persons, will sometimes vary so much in size, shape, and even in color, that they would never be recognized as of the same parentage. To get the best, one must needs know how to feed and care for the growing chicks, so as to secure the most perfect development of their several characteristics.

To summarize what has thus far been said, the beginner who has an ambition to get prominently before the public as a fancier and breeder and establish a paying business, must, as his first step, learn the art of breeding, become a breeder and fancier, be able to produce the stock the public wants. But even where he has done all this, the beginner is still an unknown quantity, a "mute, inglorious Milton," a possibility, but not a factor in the poultry world.

To make himself known is the next step, and the first thing to be done to make himself known is to exhibit. Let him ex-



WHITE WYANDOTTES.

A pair of New York winners. Bred and owned by Ira C. Keller, Prospect, Ohio.

from the Games, the French breeds and the Dorkings, and if he wishes general purpose fowls the American and Asiatic classes will meet his demands.

And once more a wise advice requires that the beginner should consult his individual taste. Most breeds consist of several varieties, varying in color and markings. The variety which suits the beginner's taste of the breed which will best meet his special purpose and the class most in harmony with the environment in which it is to be reared is the one which should be selected, because that is the variety which will receive the best care, will be the most assiduously studied, and will return the largest profit.

Having, therefore, determined what variety he will breed,

hibit his fowls fearlessly. He has nothing to lose and something to gain. Suppose he meets defeat, this can be properly made a stepping stone to success later on. If he wins, he has taken a long stride in his attempt to make himself known. Even if he loses he has come before the public, his fowls have attracted some attention, he has made a beginning. He should exhibit quite largely, not at one, but at several shows his fowls should be seen. The local exhibition should be one of these shows, and some one of the largest and best exhibits should be another. At no place will a beginner learn so rapidly as at an exhibition, when there is strong competition in his variety, and when his fowls make part of that competition. He will compare the products of other fanciers with his own, he will note the points in which his stock is weak, and will



S. C. BUFF LEGHORN COCK.

Owned and bred by R. T. Whitman, Belvidere, Ill. Score, 94½.

know how to obliterate them; he will become acquainted with brother fanciers, who will give him advice of great value to his operations, and he will come away from the show, not, perhaps, a sadder, but most assuredly a wiser man.

The next step in making himself known as fancier and breeder is to join the great army of advertisers. To exhibit was placed first, because if he won he would have excellent material for advertising, and not only because it was the most potent force in gaining publicity. The shows last but a few months, the poultry journals continue their labor the whole year through. No one can estimate the power of the poultry press. It sends out its silent influence month by month, silent indeed, but potent as the silent things are. It is not the noisiest things which are the most powerful. We all remember the fable of the wind and the sun, who attempted to take off the traveler's cloak. The wind blew his hardest, strongest and best, but the traveler only wrapped his cloak more tightly about him. Then the sun beamed upon him, silently, and its warmth made the traveler remove his cloak. So silently works the poultry press, and so efficiently is its work done. Advertise, advertise, advertise. Tell the truth, but keep your name and your stock before the public until it learns to associate your name with the variety, and the variety with your name.

When you have a really fine specimen, have it illustrated. It costs something to do this, but good pictures are better than long orations. They appeal to the public, and the public will be drawn toward you by them. Poultry journals are always glad to have new, real portraits of first-class fowls for publication, and each publication is an admirable method of advertising and supplements advantageously for other advertisements you may have running.

By and by your first customer will be found. Treat him so well that he will come again. Make every customer a friend, and each will bring you another customer. The endless chain will then be begun, the possibilities of which no one cares to limit. To make every customer a friend it is necessary to treat him handsomely, to have the stock sold a little better than it has been described, to give full value and something over on each order.

Sell only first-class stock. Kill the culls. Don't let the temptation of a few immediate dollars lead you to send out stock that will not be a good advertisement for you. Every fowl sold in an advertisement is a good advertisement, if the fowl is a good one; a bad investment if the fowl is a bad one. Don't use a cull, even if you sell it for a cull. The buyer will say to some one that he bought the specimen of you, and he will be sure to forget to add that he bought it as a cull. Culls are a bad advertisement, trade-killers, not trade-bringers. They will help to bury you in obscurity, not to bring you prominence. Be strictly honest. Tell things as they are. Get a reputation for doing just what you promise to do, of selling just what you offer to sell. Be prompt. People like promptness in business. If you say you will ship a pen of fowls on Monday, ship them on Monday, so as not to disappoint the customer. If the shipment is unavoidably delayed, write the customer and tell him the fact and the reason of the fact.

Use good stationery, neat letterheads, good quality of paper. It has a business look, and will tend to give people confidence in your ability. Don't be afraid of the expense. "Nothing succeeds like success," and the man who appears to be prosperous is in a fair way of becoming a prosperous man. A good circular will help you. It needs to be gotten up neatly, well illustrated, well printed. It is a good help in correspondence and saves much writing, but don't make the mistake of supposing that it can take the place of the regular advertisement. If you do, you will miserably fail in your expectations. It may usefully supplement the advertisement, but it can never take its place. You cannot jump the printer, unless you wish to seek self-destruction.

And now learn the conclusion of the whole matter. The beginner who cherishes the honorable ambition to place himself prominently before the public as a fancier and breeder and establish his business on a paying basis, has just these things to do. First, to make himself into a real fancier and



RHODE ISLAND RED MALE.

First prize winner at Reading, 1904. Owned by Chas. F. Thompson & Co., Lynnfield Centre, Mass.

breeder. Second, to use the proper methods of letting the public know the fact, and third, to deal honorably with all men and use business sense in his dealings. The beginner who complies with these three requirements is as certain of a reasonable degree of success, as it is certain that the day will follow the night, or that an effect will follow an efficient cause. This advice is the rule of three, not as given in the old-time arithmetics, but as worked out by human experience in our own days.

H. S. BABCOCK.

Providence, R. I.

A little farm near a great city, with the market at one's door—fowls and fruit and garden—children at play among the flowers and in the orchard—everywhere evidence of the gentle touch of a woman's hand—God's commandments obeyed by the father and mother, and the prayer offering by prattling little lips nightly—here success will surely crown the efforts of the bread-winners, for God's blessing and men's approval rests upon such a home.

The ADVANTAGES OF ADVERTISING

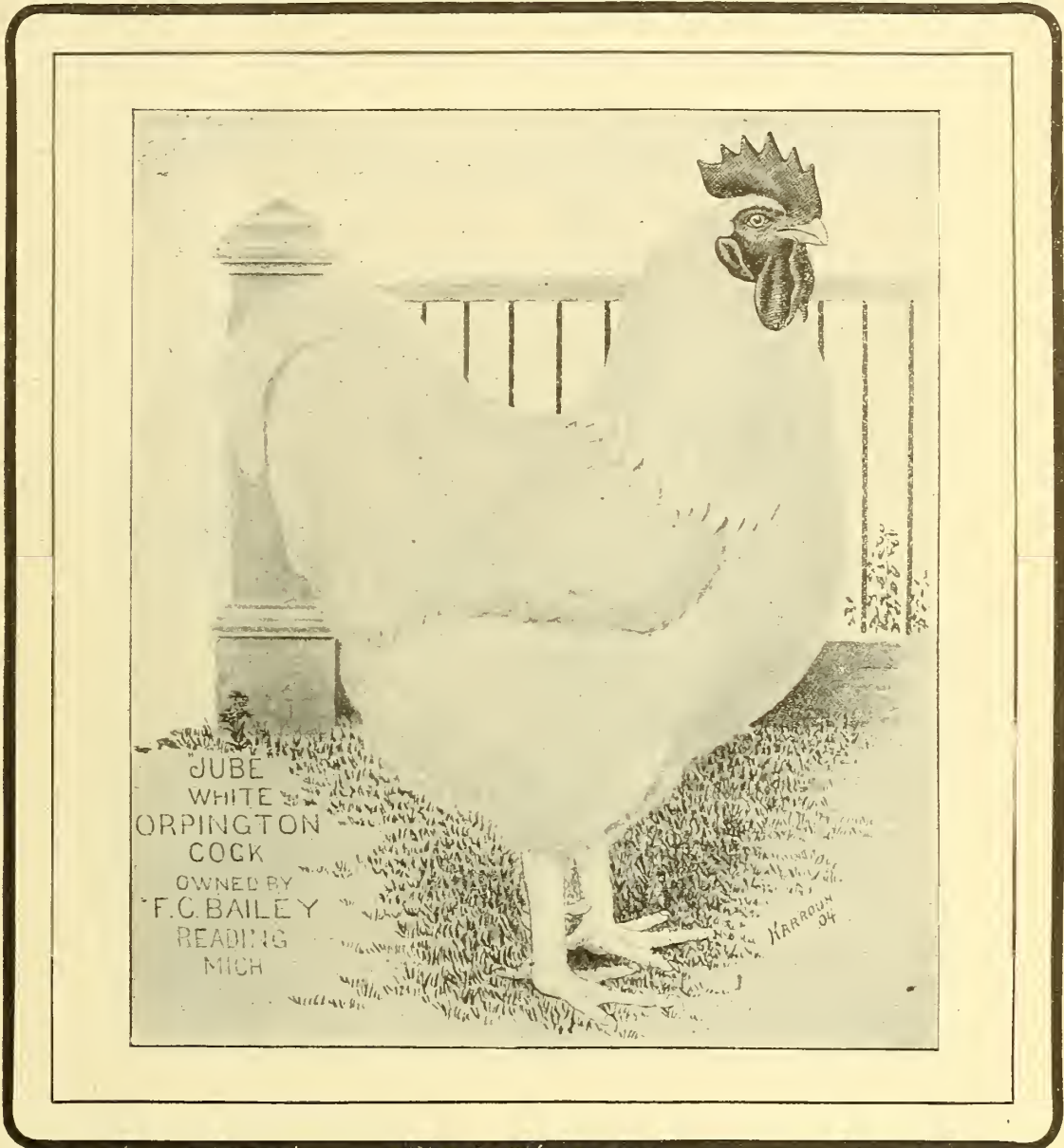
The Selecting of the Medium—When and How to Use Same to Advantage.

The advantage of advertising can best be gained by the proper use of a good selection of the many mediums that are offered. But first of all, you must have something to advertise that some one else wants; then you must present the value of your offering in a plain, honest manner, and be positively certain that you deliver what you promise, if you court success; for so sure as you deliver to a customer other than what he has the right to expect from the wording of your

the unprofitable results soon make a skeptic of him that ventures, and he is soon lost sight of as the prominence gained in this way usually centers about the individual himself.

FOR BUSINESS GAIN.

When the gaining of a profitable business is the interest of the advertiser, there are but two rules to follow: The one to place an advertisement in every journal that offers; the other, to make a study of those presented and select from all what seems best fitted to gain the desired returns. And there is no better evidence of the value of a journal as an advertising medium than the fact that it has been published continually for a number of years, and that both its subscription list and advertising patronage have increased. The real value of a paper to its subscribers must be reckoned upon the renewal of subscriptions.



WHITE ORPINGTON COCK.

Bred and owned by F. C. Bailey, Reading, Mich.

advertisement, the facts concerned will spread faster than you can imagine almost to the end of the earth. While at satisfied customer is a valuable advertisement, a dissatisfied, mistreated customer is of the greatest injury.

There are several reasons which prompt the use of the mediums of advertising. Among them frequently can be found the prominence a flaming advertisement gives. For this no other return is expected, as is often shown by the fact that eggs for hatching from my prize winners is still on deck in October. This style of venture, as it might be called, had best be placed in the columns of the journals that allow plenty of space at a small price and gains the object most desired. On this class of people the snap games can be readily played;

If a journal has a strong per cent in renewal list its subscribers are interested; if not, the subscription is largely among a floating throng who have but little interest in the subject the papers treat of.

The journals that have stood the storm of years and gained both in position and condition, carrying with them public favor and confidence and an increased circulation, can be depended upon to give the best results. All new publications must depend upon building up their circulation from new-made converts, or they cannot have any advantage to offer; from the fact that it is quite apparent that these subscribers on the old journal lists fully cover the subscription list of the new journal. If these same subscribers take both papers, no advantage

can be gained by an advertiser using both mediums. For this reason he should acquaint himself with the number and location of the subscribers to a journal he contemplates patronizing.

MUST HAVE THE GOODS.

Even the best mediums cannot bring business if the subscribers do not want our wares, nor can we hope to gain attention unless we present our goods for sale in an attractive manner. Above all things do not over-rate or misstate the case. The old song, "Stock and Eggs for Sale From My New York Winners," when possibly nothing you ever owned has been inside of Madison Square Garden, is so thoroughly worn out that people pass it by. Those who know better, wonder at the statement; those who do not, conclude that such quality is beyond their price, and no one is caught in the trap. The best way to sell your wares is to state plainly just what you have, and the price for same, for in so doing quite likely some one will want just what you have to sell. But, surely, no one who knows anything of poultry will be misled by catch phrases.

HOW TO FOLLOW IT UP.

Another feature that contributes largely to the success of an advertisement is the proper presentation of the goods in answer to an application. Thousands of sales are lost to some and gained to others in this way. Those who can convince the would-be purchaser that what they offer is just what he is looking for, will succeed the best. To do this it is not necessary to overrate the value of the stock; at the same time it is quite necessary to present in glowing terms their good qualities, and in doing this it must be done in a convincing manner that will attract and not in a way that creates mistrust. Remember always that the buyer is the judge and you the exhibitor, and present your goods accordingly.

Following this, always send better than you promise, and in addition show a willingness to take back the stock if not satisfactory to the purchaser. Write all your advertisements and letters with the thought in your mind that if not as represented, it will all come back if sold. With this thought to influence, all will be satisfactory nine times out of ten; for such determination insures the practice of doing as we would be done by, and removes all possibility of wilful misrepresentation.

WHAT TO DO.

One of the most successful firms in the country has for years used the following motto: "Keeping everlastingly at it



Feeding colony of young Buff Wyandottes on the farm of Ackley & Page, Woodstock, Ill.

brings success." This does not mean to keep a standard advertisement as some construe it; but it does mean just what it tells us, and that is, to keep everlastingly at it. And the best way to do this is to keep your name *constantly* before the public, in such a way as to attract its attention. Your name and the goods you have to sell are the important factors. But do not advertise spring bonnets in the fall, as the saying is; keep your offerings fresh and bright, and of the kind in demand at the time of year when represented. To successfully do this proves your ability as a salesman.

In season or out of season the successful advertiser keeps his name before the public, no matter whether it is selling season or not; keep constantly pounding into the minds of the people your name and business; imprint these so deeply into the mind of the people that it will be impossible for them to forget your name when they wish to buy what you have to sell; also make it so strong that when they see your name, they say: "Oh, he is the Brahma man." Make your name and fame a by-word all over the land, so a buyer cannot pass you over when looking for your kind of stock.

HOW TO DO IT.

Just how best to accomplish the desired end is about the hardest problem in advertising. The catchy advertisement is the phantom of the hour; the whole selling world continually work their brains for some new method or device to attract the attention of the public. No matter how it is done, or what is said to gain attention, if profitable, it goes for the time. But herein may be found the secret of many failures. Remember,

you can fool almost any one once; you may fool them twice, but you will not get the chance at them or their friends again after that. For this reason it is best to consider what you will say in advance, so as to gain the confidence of all who may read your advertisement.

Above all things, do not advertise that which you cannot deliver. Never offer 500 birds for sale when you only have 50; for if you do, the ink will hardly dry on the advertisement when some one is telling the facts to your injury. It is by far the best to tell just what you have to sell, in plain, honest words, and in a manner that will attract; from the very fact that it tells so plainly what you have, and proves at a glance that you know your business.

OTHER WAYS.

The order of the hour is to get something for nothing. We had an application not long since for 500 Leghorn pullets at 60 cents each. Our reply was: What will you take for the thousand you have? The would-be purchaser said: One dollar and fifty cents each. The buyer of all kinds of farm products and live stock has for the past made, and can to-day, almost make his own prices. This comes of the necessity of the producer who loads himself down beyond his ability and capacity to care for his holdings. This causes him to rush into print with that manner of advertisement that tells all who see it of his dire distress, and the natural inclination of all mankind is to allow you to keep that which you seem anxious to be rid of.

The very time to be firm and resolute in the wording of your advertisement is, when most anxious to sell, never allow the wording of same to indicate the necessity of speedy relief; rather infer that a favor is done the general public by your consenting to let go some of your high quality stock. Don't intimate that they must be sold to make room, for this carries with it the intimation of debility and disease from overcrowding. Again, if you have a hundred birds to sell it is better to sell ten of the best for \$10 each, and the other ninety to the butcher than to injure your reputation by selling all of them at \$1 each.

CONTINUOUS ADVERTISING.

The most successful returns come from continuous advertising, properly done. A smaller advertisement, well worded and continued, will pay better than the full page flash once or twice a year. The one is like the explosion of powder that excites comment for the time, and is then forgotten; the other like the North Star to the mariner, constantly watched when in sight, continually looked for when hidden. The well-worded advertisement, that is continued in, makes your name and stock public property which are never overlooked.

The most advantageous manner of using the continuous advertisement depends upon the kind, quality and amount of stock you have to sell; calculate your advertising to cover the amount of business you might do, providing you can sell all you produce; work your advertisement to this end with the same determination as you do your other business. If you succeed in one you should in the other. Advertising is a business proposition; do not indulge in it for fun or friendship, for if you do both may be gone. Take the space for the good it may do you and work it continuously for all there is in it for you. Don't forget to keep it fresh, bright and attractive all the while, for therein lies your profit.

THE PROFIT IN SAME.

To be profitable an advertisement must offer that which is sufficiently in demand to guarantee sales enough to bring returns to the outlay, cost of production, and profit hoped for. Paying returns will not come from the advertising of stock that has no sale. The same applies to the lack of reputation. An unknown breeder must make his name and stock known through the advertising columns and the show room before he can hope to do business. Those whom you may envy have spent years of hard work and continuous advertising to gain their present position; in this way they have invested their capital year after year, until now they reap a continuous harvest.

There is one fact most apparent, and that is, the most prosperous in the business are the most persistent advertisers, having made their reputation by continuous advertising and fair treatment, they continue in same by never allowing their stock or their name to be lost sight of. Like the Light House by the Sea, whether fair or foul, dull or busy, the bright light shows on and on every night; its continuous presence is known from ocean to ocean, and its particular form to every man who travels the sea. So should you make your name known to succeed.

New York City.

T. F. MCGREW.

Barleymeal and cornmeal, equal quantities, scalded and fed warm, is not only recommended as a quick fattening food, but also as a solid flesh-producer, giving a finer golden color than any other system.

GREEN BONE AS A FEED FOR POULTRY.

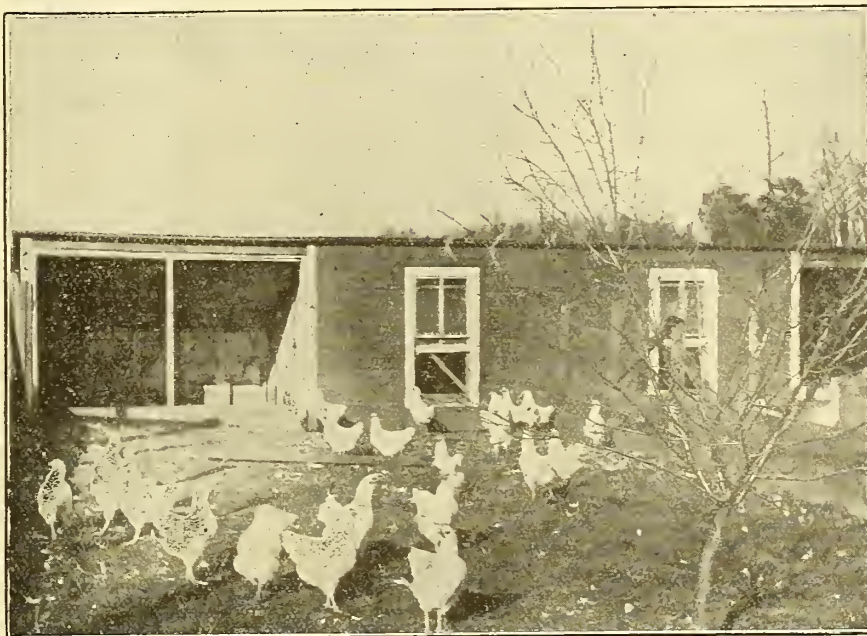
A Bone Bone Mill is a Necessary Adjunct to the Poultry Yard if You Desire Plenty of Egg in Winter.

Every keeper of poultry, if only a dozen hens, should have a bone cutter. Any old cutter is better than none, but the best is the cheapest in the end. Hens left to themselves, as they usually are, lay fewer eggs in winter than in summer. Why? "Because of the cold." Yes, but not necessarily. In summer they pick up quantities of worms, beetles, grasshoppers and other insects, together with tender shoots of grass, clover and other green stuff. In winter they cannot get these things. But raw bones, as they may be obtained at any market, with more or less gristle, tendons, meat and fat adhering, contain all the ingredients necessary to the formation of eggs, and are the best possible substitute for summer's worms and bugs. Consult your encyclopedias. You will find that "green" bones are composed of albumen, gelatine and fat—about one-third. Phosphate and carbonate of lime—more than

cut clover hay, cabbage, beet and other roots, and less grain than usual in winter, it affords a ration equivalent to, if not better than the natural foods of the warm season, and the hens lay as well in winter as in summer, if properly cared for.

Most marketmen dispose of this (to them) waste material wholesale at 40 to 50 cents a hundred pounds to soap, bone meal and fertilizer manufacturers, or give it away, and it contains many times the nutriment of an equal (nominal) value of corn, or any other grain. Every dollar's worth fed saves dollars out of the grain bill. An ounce a day to each hen is "about right," according to the size and activity of the birds. Never feed it tainted. Sickness might result.

Hundreds of successful poultry raisers testify that hens fed as above not only lay more eggs, but also that the eggs are more fertile, giving better hatches of more vigorous chicks, because the hens (and the cocks) are more vigorous, in better health and condition, and the eggs contain plenty of the material needed for the formation of the bones of the chicks in embryo, thus beginning at about two weeks old with small quantities cut fine,



A pen of Caneday's Pedigreed White Plymouth Rock Pullets as bred by Victor D. Caneday, Box A, Taylor's Falls, Minn.

five-eighths. Fluoride of calcium, phosphate of magnesia, soda and chloride of manganese and iron (oxide).

Now look for "Egg."—80 to 85 per cent of the white water; about 42 per cent of the yolk water; 15 to 12 per cent of the white albumen; about 16 per cent of the yolk albumen; over 4 to 2 per cent of the white saline; about 22 per cent of the yolk fat, including soda and a trace of sulphur; about 7 per cent oleic and margaric acid and phosphates of lime and magnesia, salt, coloring matter, and traces of iron, sulphur, etc., to balance.

The shell is mostly carbonate of lime, with a little phosphate of lime, traces of magnesia, iron and sulphur. ALL the essential elements of an egg abound in raw bone, but "bone meal," "animal meal," "scraps," and other "prepared" foods are almost wholly lacking in these ingredients. They are less relished by poultry and less digestible because less soluble.

Fed in proper proportion with such green stuff as fine-

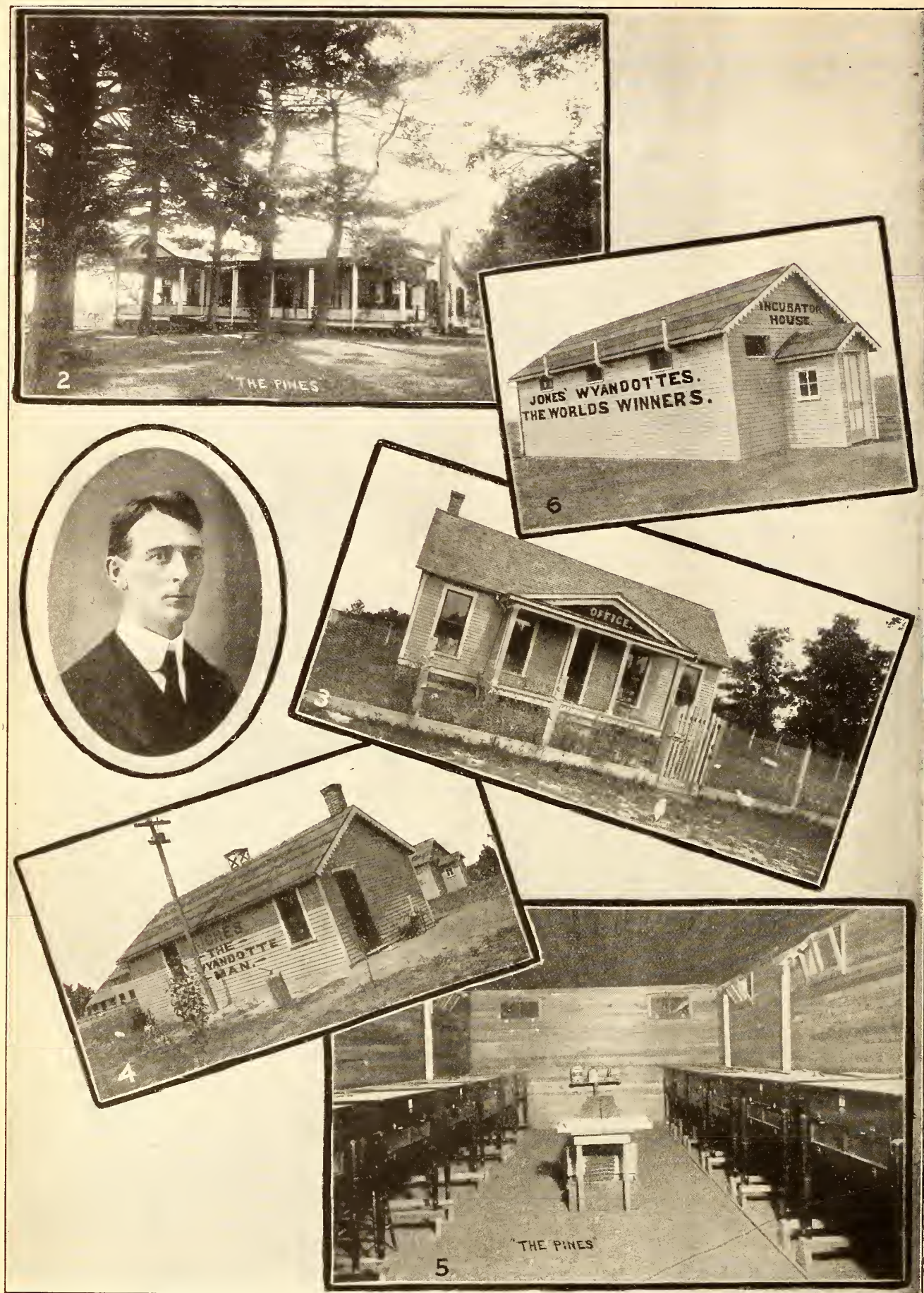
feed raw bone to the little fellows and see them grow. Broilers of two pounds weight at ten weeks old. Pullets laying at twenty weeks. This on the authority of our best breeders. Not only that these results can be accomplished by feeding judiciously with raw bone, but that they cannot be accomplished by any other means.

What we have said about raising chickens applies also to ducks, turkeys and geese. Raw bone contains in richer abundance, in more appetizing combination and at less cost than any other poultry food, everything required by fowls to form frame, flesh, fat and feather. Therefore, I repeat what I stated at the beginning. Get a bone cutter.

If you can't afford to get one, you can't afford to be in the business. It is not an expense, it is a positive benefit and a source of constant and increased revenue.

CHAS. B. GODFREY.

Linseed meal is cathartic. It is a cooked food.



VIEWS AT "THE PINES," PADUCAH, KY.

No. 1. R. E. Jones. No. 2. Residence at "The Pines." No. 3. Office. No. 4. Feed room and shipping department. No. 5. Interior of incubator house. No. 6. Exterior of incubator house.



12



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VIEWS ON "THE PINES," PADUCAH, KY.

No. 7 and 8. Hot water brooder house (3,000 chick capacity). No. 9. Individual brooder house. No. 10. Breeding houses. No. 11. House and pens for cockerels. No. 12. Conditioning house and breedingpens. No. 13. Barns where the Kentucky thoroughbreds have their home.

BOYERS BREVITY ITEMS.

Written by M. K. Boyer, Associate Editor American Poultry Journal.

A LITTLE EGG GOSSIP.

The first eggs from pullets come very irregular, but after they have rightly started pullets are excellent layers.

There is no better way to put a pen of layers out of commission than to give them a feast today and famine tomorrow.

It not only requires warm houses and good food to produce eggs in winter, but clean and dry quarters are equally necessary.

Hens or pullets should not be moved from one place to another more than is strictly necessary, as it is very apt to interfere with egg production.

R. G. Buffington says the most profitable part of the poultry business in New England is the production of eggs. The western states can supply our markets with poultry much cheaper than we can afford to produce it, but they cannot compete with us for fresh eggs.

Feeding for a continuous egg yield requires good judgment, and a great deal of careful watching in order to keep the flock in prime condition. A good laying strain of any breed, when in prime condition, will lay eggs regularly like clock work, but it requires care and constant watching to keep the machinery in order. Neglect and shiftlessness will upset the whole flock, and ruin what might have been made a good-paying investment, writes E. O. Roessle, in *Country Gentleman*.

According to a large number of analyses made of American eggs at the various agricultural experiment stations, an egg on an average weighs two ounces, and has the following percentage of composition: Shell, 10.5; water, 6.6; fat, 9.3; and ash, 0.9. A side of beef contains on an average about the same percentage of protein, but a larger percentage of fat. Eggs belong to the nitrogenous group of foods, and would naturally and quite properly be combined in the diet with material supplying carbohydrates (sugar and starch), such as cereals, potatoes, etc.

The *Oregon Agriculturist* says a plan for supplying the public with fresh eggs is being tried in Germany in the hopes that it will increase the demand for a strictly fresh article. Egg depots are to be established in the principal cities, at which the quality and freshness of the eggs will be guaranteed. For every bad egg the purchaser is entitled to get fifteen good ones. Every poultryman has to mark all eggs which he sends to one of these depots, in such a way that they can be traced back to him, and if it is found that he furnished bad eggs as fresh ones, he will not be allowed to sell to the depots.

At the California experiment station the chief object of the examination of eggs was to determine whether there was any basis of fact for the popular opinion that eggs with brown shells have a higher food value than those with white shells. It has been said by some that the brown eggs are richer than the white ones, but this statement is not borne out by a chemical analysis, and the physical examination proves that the main points of superiority, though extremely slight, are possessed by the white eggs. The minute differences that are found between the two groups are exceeded by variation between varieties within the same group. It may be stated that there are practically no differences so far as the food value is concerned.

ABOUT BROILERS AND ROASTERS.

The average epicure prefers white to dark meat.

The most attractive carcass is made by small bones and thick meat.

The roasting fowl's value is according to the quality of its breast meat.

Free-range poultry should be cooped at least ten days before being killed.

Generally the poorest time to sell poultry in a great city market is a week previous to the Thanksgiving and Christmas holidays.

Live poultry, especially spring chickens, sell best in the market, as very often the latter, when dressed, present a scrawny, bony appearance.

Our American breeds are specially noted for carrying a generous quantity of white meat, not only on the breast, but also well back between the legs.

For good meat-producing stock, select breeders whose legs stand well apart, with the body between of good width, with a tendency to put on flesh there.

Dressed poultry will keep longer, and present a much better appearance, if they are cooped for at least twenty-four hours before being killed, without food.

In shipping, always remember that a half dozen poor specimens, in a box of one hundred good ones, will ruin the sale of the latter as first-class carcasses.

Absolutely poor birds should not be sent to market at all with the expectation of realizing anything from them.

Considerable poultry that would have brought a good price if marketed alive, sell at a low price when dressed, on account of the slovenly manner in which they are prepared.

Drawn poultry will never become popular in our markets from the fact that there is more danger of the carcass spoiling when drawn than when not. Some years ago Massachusetts tried the experiment, but quickly went back to her former methods.

The fashion in dressing capons for market is to leave the feathers on the neck, from the head down two-thirds of the shoulders; on the two first joints of the wings; on tail and half way up the back; and on legs from knee joint two-thirds up the hips.

All varieties of Wyandottes are of great practical worth, but the White variety is accepted everywhere as being the practical fowl, par excellence, says the *American Agriculturist*. It is being adopted by the great market poultrymen more universally than any other fowl. Its white plumage makes it dress off in very handsome shape, while its dressed appearance is almost ideal for market purposes.

The *American Agriculturist* drops this valuable hint in catering to a family trade: Dressed fowls, which are nicely "plumped," and placed in new baskets covered with clean linen, are sold more quickly and at better prices than those that lack the neatness of packing and display. Plumpness appeals to the appetite, and neatness inspires confidence, both being important elements in working the provision markets.

THE FEEDING QUESTION.

Pea meal is nutritious.

Rice is easily digested.

Oatmeal has fully 5½ per cent of fat.

Wheat is rich in solids, but poor in water.

Barley is very nutritious, but rather laxative.

For nutrition oatmeal exceeds wheat or barley.

There are about 7 to 8 per cent of yellow fat in corn.

Green bone is not only a cheap food, but it is invaluable as a food and tonic.

Potato starch is very digestible. Potatoes contain about 22 per cent of starch.

F. L. Cooper claims that linseed meal is about the nearest perfect egg food for hens.

Green bone contains meat, blood, gristle, oil and mineral matter in soluble condition.

Properly-fed fowls are regularly-fed ones. Always bear in mind that a well-fed fowl is never over-fed.

There are about the same virtues in barley as wheat, or at least much of the same, for a poultry food.

Dr. Casey says carbon, nitrogen and lime are required by poultry. All three are found in green bone.

Kaffir corn should be more generally fed than it is. It has about the same nutritive value as Indian corn, and is better as an egg food.

If you have a regular hour for each meal, and live up to it, the fowls become accustomed to it and are punctually on the lookout for the feeder.

Col. E. O. Roessle says that what hens require principally is a balanced ration, and a regular, general feed. A feast one day and a famine the next will upset the best flock of layers ever gotten together. Once a flock can be kept in a prime condition on a certain feed formula, it is great folly to change.

Corn should not be entirely taken from the bill of fare. But under no circumstances should it be exclusively given, or made the bulk of the diet, unless in case of fattening for market.

F. L. Hooper gives this strong endorsement of linseed meal: Make use of a liberal supply of this wonderful egg producer, muscle grower, bone maker, flesh former, health promoter and digester, and a preventative of roup, indigestion and many other disorders of the fowl family.

L. E. Keyser says he finds buckwheat one of the best whole grain foods for hens. They never become cloyed on it, and it is a great egg-producing grain. In experiments made in feeding during the past winter, where the evening feed had been wholly of corn, he found that the substitution of buckwheat materially increased the egg yield.

The *Texas Farmer* tried an experiment: Of two lots of chickens of the same breed, of the same parent stock, and of the same age, running on the same blue grass pasture, one lot was fed on cut bone three times a week, and the other was not. Those fed on bone grew faster, developed more rapidly, and in every way were superior to those which were not. Green cut bone was found to have a decided tendency to develop combs and wattles, and make handsome birds.



WHITE PLYMOUTH ROCK COCKEREL.

Winner of first prize at Hagerstown, Md. This bird was hatched from eggs sold by Mr. D. T. Roots, Connerville, Ind., and is now owned by Mr. Roots, he having purchased him from the breeder to whom he sold the eggs.

American Poultry Journal

Issued the first of each month.

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Subscription 50 Cents a Year—5 Cents a Copy of all Newsdealers. Chicago subscriptions 60 cents (when delivered by carriers). Foreign subscriptions \$1.00.

Look at the date upon your wrapper. Many subscribers write to ask when their subscription expires and many complain because we discontinue sending the JOURNAL at the expiration of the time for which it is paid. The date when your subscription expires is found on the wrapper each month.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide circulation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Advertising rates are sent upon request.

50,000 A. P. J.'s for Jan. 1905.

State of Illinois, County of Cook, ss.

Chicago, Dec. 27, 1904.

James W. Bell, manager of the Recorder Publishing Company, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding fifty thousand copies of the January, 1905, issue.

JAMES W. BELL,

Subscribed and sworn to before me this 27th day of December, 1904.

BLANCHE ELDER EDDY,
Notary Public.

GUARANTEED SUBSCRIBERS.

To our subscribers the display advertisers of the American Poultry Journal are guaranteed; that is, if any advertiser using display space in these columns is proved to be a swindler, the American Poultry Journal will make good to the subscriber the amount lost. We do not guarantee that men in good standing shall agree in their opinions; we do not guarantee nature against infertile eggs, but we do agree that in case a downright swindler succeeds in swindling a subscriber, we will reimburse that subscriber and publish the rascality of the swindler. We ask, in consideration of this guarantee, that our subscribers, when writing to an American Poultry Journal advertiser, say, in every case, "Saw your ad in the American Poultry Journal." In no case will this be to your disadvantage, while in many cases it may serve you well. In either event we shall be obliged to you.

Rejudging Shows.

The editorial, "Rejudging Shows," which appeared in the AMERICAN POULTRY JOURNAL, December issue, has received the hearty approval of a very large number of breeders and exhibitors, their endorsement of the position taken by the AMERICAN POULTRY JOURNAL being most firmly and cordially expressed.

In a letter to the editor of the AMERICAN POULTRY JOURNAL Mr. Henry Trafford, editor of *Poultry Success*, thus endorses the position taken:

I desire to especially congratulate you upon your editorial entitled "Rejudging Shows." You have certainly sounded a popular chord and have earned the proud title of being the pioneer of public opinion in a most delicate and at the same time very important matter in poultry journalism.

Mr. E. W. Rankin, editor *Poultry*

Herald, in a vigorous article in the last issue of his journal, takes a like position with the AMERICAN POULTRY JOURNAL.

In addition to the testimony of these two gentlemen, who are in close touch with a vast number of annual exhibitors, we have that of numerous breeders and showmen to the effect that the position taken by us is the right one.

Mr. Edwin M. Morris, Sparkill, N. Y., "dissents from the finding of the court." In a letter to the editor he reviews at length what he considers an editor's duty. He wants the editor to be "fearless," and goes so far as to seek to impose upon the editor of a poultry journal the duty of righting the errors and injustice found within the poultry business. Mr. Morris says:

There is a mission for the poultry press of this country beyond the dissemination of advertisements, with the dry bones of official show records. It is easy to put money into the hen business, and this is made more easy by the publication of many papers, some of which never consider that there is a great corps of amateurs that is looking for a means of getting some of this money back, others doubting whether the stock they have been induced to buy was worth the money, or in plain English, whether they have not paid an excessive price for inferior stock. Some of these exhibit and fail and nothing is to be found that they can understand to explain the lack of success, and it is then that their suspicions are confirmed and they go out as quickly as they went into the "hen business."

Critical reports not only enlighten this vast army, who should remain with the fraternity, but beyond this they are one means of preventing promising judges from getting carried away with conceit, others who through some means have been appointed to judge and who have not the eye, mental capacity or equilibrium to become capable, competent judges, from budding, blossoming and doing more evil in a short time, by bad decisions, than a specialty club can undo in a decade.

Our correspondent, it is very evident, has not grasped the idea which the AMERICAN POULTRY JOURNAL thinks it clearly set forth in the editorial last month.

And this brings us again to the point of starting. The AMERICAN POULTRY JOURNAL still reserves the right to exercise its own judgment along the lines of legitimate criticism and freely accords to others this privilege. But that is not the question at issue. The question is whether or not the fancier who makes a winning under a competent and well known judge shall be deprived, in a measure, of the benefits, financial and otherwise, which accrue because of that winning, by reason of the representative of a poultry journal stating in his columns that the bird or birds thus winning were inferior to certain competing stock, and therefore, not entitled to the place accorded by the judge. That is the question. It is an important question, too, and one which must be settled, and rightly settled, very soon. Men's reputations as breeders and exhibitors, as well as their business interests, are being injured by this so-called rejudging of classes at the leading shows. Such a condition can not long exist, because the American fanciers, as a whole, are decidedly in favor of fair play.

Regardless of the findings of the fault-finders the large majority of the men who are officiating as poultry judges are honest and competent. That the model of perfection of each of the various breeds of poultry must be the individual creation of each of these men, and not one collectively constructed and maintained, is a fact which all critics should never fail to realize. Men differ

as to what constitutes merit in show specimens in the poultry room as men differ in all else in this world. Men's individual tastes, conditions under which specimens are shown, the condition of the light at the time of judging, and much more enter into the finding as recorded by the poultry judge.

Then, too, it should be borne in mind that men do not interpret alike the Standard of Perfection. Especially is this true of that portion of the standard describing that which no man has ever yet beheld—a perfect fowl, as to shape.

There is, virtually, a contract existing between the exhibitor and the poultry association under whose auspices he shows. The exhibitor is apprised of the names of the judges who pass judgment upon the stock entered. It is becoming a fancier and a gentleman to abide by the decisions of these judges, to accept their judgment as final so far as the awards of any given show is concerned. And it can be said to the honor and sportsmanship of American exhibitors that this is the settled rule of action. Protests against the judgment of judges are about as scarce in the American show room as hen's teeth. This clearly shows the confidence the exhibitors place in the honesty and ability of our well known judges, and more than all else shows conclusively that the self-imposed judge, the uncalled and unauthorized reviewer, who sets aside honest and capable men's judgment, has no mission to perform that is in the interest of the exhibitor or the cause of standard-bred poultry.

The question as to whether or not the American Poultry Association should in any manner whatsoever hold supervision over the appointment of judges is not up for consideration in this connection. It might be well for the American Poultry Association to hold fraternal relationship with the poultry judges, but that is a question entirely by itself.

The New Standard.

More than thirty years ago, the American Poultry Association worked out the first issue of the Standard of Perfection. There has since been word revisions again and again. Once a feeble attempt of picture portrayal of form was attempted. It had hardly begun when it was abandoned and the edition withdrawn. This abandonment was by many regarded as a step backward. All now agree. The new book will contain a word and picture description of the ideal male and female of all or nearly all the varieties of American, English, French, Dutch, Polish, Mediterranean and Oriental poultry.

The work was commenced at Chicago in 1901. The committee on revision then appointed reported at Buffalo in October, 1901. It was publicly stated in the meeting that the old book contained more than one thousand mistakes: descriptive, grammatical and typographical. More time was asked for and the coöperation of those who had discovered errors, requested. We understand all members of the association were directly communicated with immediately afterward and urged to comply with this request.

The proposition of an Illustrated Standard was introduced at this same

Buffalo meeting. The president urged its necessity showing the difficulty of accurate description without it. He announced it as his opinion that the cost of such a work would not be less than \$15,000 and that three years would be required for its completion, but believed five thousand purchasers would want it the first year after its publication who would be willing to pay five dollars per copy.

On motion, a committee of three was appointed to take into consideration the suggestions of the president, with instructions to report at the next annual meeting. At Charleston, January, 1902, the revision committee reported they had received very meagre responses to their very many requests for suggestions as to needed changes in the Standard. They recommended that all changes of the Standard be brought about through the work of specialty clubs. After much discussion the matter was referred back to the committee. The committee on Illustrated Standard submitted a report. And such a report! Its reading surely must have dropped with a sickening thud upon the hearing of those in favor of illustrations. It is a wonder the whole scheme was not then abandoned. The report said: "We doubt very much the advisability of this association shouldering the responsibility of publishing an Illustrated Standard. The time is at hand for such a book, at the same time, it should not be sent forth as the absolute law as to shape and color. It might be possible to have some publisher issue an Illustrated Standard and pay to this association a royalty. This association should have full control of what goes into the book and hold the copyright. At the same time, we should continue to issue the Standard in its present form and make sales the same as we have always done."

Think of it! An Illustrated Standard which should not be a standard as to shape and color! Surely, it was reasonable to doubt the advisability of the association shouldering the responsibility of publishing such a work; but some publisher might possibly be found who would issue this non-Standard Illustrated Standard, while the association was continuing a competing business of issuing and selling its Standard. But little consideration to the report seems to

have been given by the meeting. They went into a discussion upon an illustrated Standard. Extended remarks were made upon the subject by nearly all present. The president was in favor of having the old committee continued with power to make contracts and repeated again his estimates of cost at Buffalo meeting. A majority were at first opposed to the clause that gave power to make contracts to the committee, but on the assurance that only a start could be made this year, and that only progress could be reported at the next meeting, all opposition was withdrawn and the old committee was continued with power to act and report at the next meeting.

The revision committee and the illustrated standard committee were combined by vote of the association at Hagerstown.

It was at the Cleveland meeting the winter of 1902 and 1903 such action was taken by the association as made it possible for the work of revision and illustration to be commenced. We are all familiar with the work at Buffalo in May, 1903, and the subsequent action of the association at Rochester in 1904.

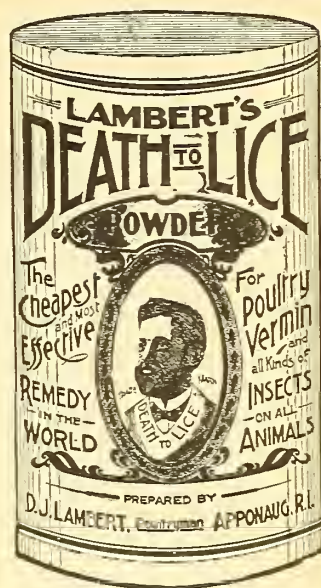
One full year had been used up in the partial preparation of the matter for the printer. We say partial preparation, because it must be remembered many things were referred to the committee on publication. But few illustrations were finally accepted. Many were referred back to the artists selected for slight changes. The number was increased entailing much additional work.

Has there been an unnecessary delay in bringing this task to completion? Yes, we believe it. Has there been so much of labor required to create the grand success which now seems so well assured? Yes, we believe it.

Remember it took two years for the American Poultry Association to make up its mind that it really wanted its Standard revised and illustrated. Do not forget that many were crying out against what they termed "the everlasting tinkering with the Standard." Bear in mind that many opposed illustrations and many others doubted the advisability of the association assuming the responsibility of the expense. It has taken many conferences to reach a conclusion as to the doing of the thing at all. After this, it has taken much of consultation to agree upon the details. We often speak of what has been done as the work of the committee. Far from it. It is the work of the whole interest as gleaned and interpreted by the committee and ratified by majority vote of the association representing the interest.

The unnecessary delay has been in the apathy of the fraternity. Happily, that is past and those who were slow in coming forward at the first are clamoring for haste. There would be much to fear in this clamor were we not assured that those in charge will not be affected thereby to allow poor work. They well know that the great majority demand good work and will not be content with anything but the best. A few months' waiting will amply compensate for the assurance of ideal results.

We should keep before us that it is not enough to agree upon the rules in advance to make the game worth



I WISH THAT YOU COULD SEE

Some of the birds that I have to judge at the fall fairs and winter poultry shows. They are often swarming with vermin, but their owners would be shocked if you even intimated any such condition. The webs of the feathers are sometimes eaten by lice. Some birds are thin in flesh, others are listless and unattractive. Many of these are high priced, well bred specimens, valuable enough to use a cart load of Death to Lice on, if need be, to keep them clean.

I WISH THAT ALL BIRDS

Could have the benefit of Death to Lice every few days during the show season. It is not from the fact that they have this powder on them that they score more, but from the fact that they are always in better condition by being frequently dusted with it. It requires only a few minutes to dust a dozen or two, when they are cooped for preparation or show. Grasp the bird by the shanks, head down, and sprinkle a little of the powder among its fluffy feathers, especially just below the vent. No need to go over the entire body unless you wish to, the lice center in the fluff.

I WISH THAT I COULD

Visit every fair and poultry show in this country and dust every lousy bird in the show. I think I could then convince every exhibitor of the value of Death to Lice. I could make the birds look and feel better immediately. I could make a customer for Death to Lice of every one present. A bird that is worth anything is worth using Death to Lice on to keep him clean. A ten cent box will treat ten birds. A twenty-five cent box, thirty birds. A 50c or \$1 box will last all season and be good as long as it lasts.

5-oz. size 10c at dealers, by mail 15c.
15-oz. size 25c at dealers, by mail 40c.
48-oz. size 50c at dealers, by mail \$1.
100-oz. size \$1 at dealers, or by express collect.

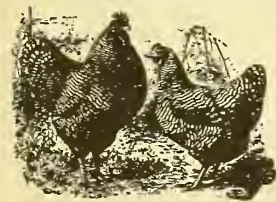
We also have an "Ointment, Special and Liquid," if you need them. Book which we mail free will tell you more. Send for it now.

D. J. LAMBERT

Box 308

APPONAUG, R. I.

RANKIN'S



Royal

Rocks

Barred, White,
Buff and

White Wyandottes

— ARE —

AMERICA'S VERY BEST

Are line-bred from America's Greatest Sires and Champions and Excelled by None.

Every bird guaranteed to please or it can be returned at once **at my expense**, in good condition and money cheerfully refunded.

H. P. RANKIN, Box 61, Hartington, Neb.

playing. They should have an object. If this object be a worthy one and of great human interest, so much the better.

Can we not best afford to throw aside haste and carefully and conscientiously play up to them?

We have as yet failed to notice any mention made of the women fanciers at St. Louis whose birds won creamy blues in this driving competition. There were any number of women fanciers at the show, and many more that will be fanciers from its effects. We saw one good woman part with a nice roll of real lucre for a pen of her choice of fowls. She has the making of a good fancier and breeder in her soul. All it needs is a bit of kindling. In the Barred Rock classes one woman from Missouri came, saw and conquered—where she won first prize on hen over the greatest breeders of the day. Another New York woman fancier won an honorable share of the prizes and sold some specimens at long prices. One woman sent birds from Massachusetts, one from Indiana, plenty of them from Illinois and Missouri, one from Kansas and a dozen others all came in person or sent birds. The field is roomy and times are mellow for more women fanciers; let their number increase.

* * *

At this season of the year when high prices and low temperature prevail, the practical poultryman wants eggs and plenty of them. Naturally, therefore the question uppermost in his mind at present is how to feed the hens in

order to increase the egg production. The entire problem in a nutshell is this: Give your fowls summer conditions in both food and surroundings, as far as possible, and results are sure to follow.

Of course the poultry house must be free from draughts, the hens properly supplied with clean water, charcoal, grit, and green food in some form. But the essential part of the feed, the part that must take the place of the bugs, earth worms and insects of summer, is the meat or animal diet. This has now come to be almost universally supplied in winter time by cut green bone.

The poultryman who tries to get along without a bone cutter is losing both time and money. Experience has proved it to be true that a bone cutter in the hands of any poultry raiser will pay for itself in a comparatively short time. A machine of any standard make can be made to add greatly to the profits, especially when bones are so easy to obtain at a cost of only a trifle.

* * *

There are some people who know how to make things interesting—others make them less so. One who belongs to the former class is Professor Rice, of the Cornell School of Poultry Culture. In the program given to the students and others who cared to attend the lectures, were interesting talks by Professor Bailey, N. V. Witbeck, T. E. Orr, W. B. Mack, Henry Van Dresser, Prof. G. S. Hopkins, F. G. Thayer and Mrs. Allen. Topics handled by these talkers included

the relation of pure-bred fowls to the farm, judging Leghorns, judging American classes, running a hen farm, raising broilers, poultry keeping for women, poultry buildings, roup and a question box. F. E. Dawley is director of farmers' institutes in New York and under the state board's auspices this real poultry institute was held. Room enough and to spare for thousands of meetings like this the whole country over.

* * *

The Australian Hen, Sidney, New South Wales, Australia, says that the fanciers there can not be so far behind the times when "so prominent and influential a journal as the *AMERICAN POULTRY JOURNAL*" gives their newly tried and much liked score card kindly consideration. The Australian fanciers are a progressive set of fellows, and are now prominent in the eye of the poultry world by reason of their practical egg contests, in which fanciers of America are deeply interested. And it can be said that in the *Hen* the Australian fanciers have a most able and helpful advocate.

* * *

Fanciers want news of that new Standard and that's what J. H. Drevenstedt is now putting out. "The work was completed as far as human beings can do it, on Monday, December twelfth, nineteen hundred four. The first one hundred and twenty-five pages of copy are at the printer's." This is, indeed, business like. The additional sketches for the work, which were assigned to Sewell for drawing, are what has caused the delay, and no specific contract for



Special Machines For Special Purposes

In addition to the regular *Prairie State Incubators* we make special machines for special purposes; for ducks, geese, etc. Herein we illustrate the *Prairie State Special No. 288 Duck Machine*, built to meet the requirements

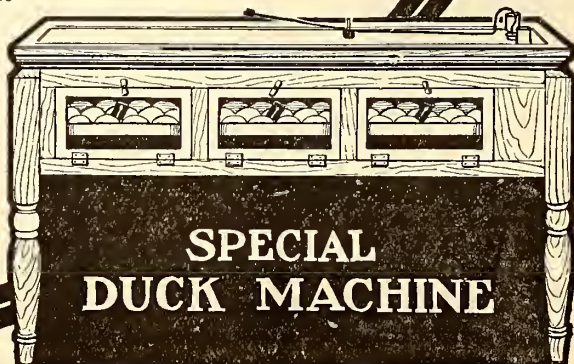
of those who raise ducks exclusively or on a large scale, and want a machine that is reliable. The same approved general principles of construction employed in our regular

Prairie State Incubator

have been followed with slight modifications, especially in the matter of ventilation, to meet the requirements of duck eggs. The egg tray and egg chamber are deeper than in the regular hen-egg machines, and there is more room in the nursery. Has capacity for 288 duck eggs. May also be used for hen eggs, with a capacity of 400 eggs.

The specialist will find our special machines for special purposes "just right." Write for illustrated catalogue describing our full line of machines and supplies. *Prairie State Incubator* is winner of 385 first prizes.

Prairie State Incubator Co.
Box 468, Homer City,
Pa.



**SPECIAL
DUCK MACHINE**

their completion was made to hasten their execution. Only thirteen sketches remain to be finished by Mr. Sewell, which is encouraging. From the way the committee is working we shall have the work for late matings. Let the good work proceed.

* * *

The *Australian Hen* is so interesting each month that we cannot refrain from saying a thing or two about it. We note in its November issue that a number of American breeders have advertisements in its columns. This is doubtless profitable to them and goes to prove that the American invasion of foreign countries does not exclude the American hen. Also in this issue we note a half-tone of "The Turner Trophy," a handsome silver base supporting a slender shaft of the same metal, on which is a silver egg. The egg is embellished with a miniature basket of eggs and two laying hens. The trophy goes to the breeder of the pen laying the highest value in eggs in the New South Wales laying competition, and was presented by Mr. C. J. Turner, the leading Australian auctioneer of pure-bred fowls.

* * *

The secretary of the Minnesota State Poultry Association, Mr. C. L. Smith, is attorney for the Hennepin County Commissioners and a prominent legal light of the state. Governor Van Sant has appointed him judge of the Municipal Court of the city of Minneapolis, and he is to assume the duties of office about January 1st. This calls to mind that we have many men in the ranks of fanciers who have been highly honored

in other walks of life. For years it has been a great joke in the West regarding the recess taken in the Supreme Court of Nebraska to allow its Chief Justice, Hon. T. L. Norval, to attend a large poultry show.

* * *

The *American Fancier's* front page for the December seventeenth issue contains the best sketches of Lakenfelders we have yet seen. The male is especially good. His pose is good, indeed, for the observant poultry fancier can note the expression of eye in the various poses assumed by males in his own flock. Arthur O. Schilling made the sketches and they are the best he has ever done. This artist's work is freer as his work goes on, and it possesses a nice gracefulness at the same time. This artist has a few sketches in the forthcoming Standard.

* * *

To take a serious view of the situation: Had not the American Red breeders and those breeding Buckeye Reds better get together before they appeal to the American Poultry Association for admission of their favorites in January at Minneapolis? The Rose Comb Rhode Island Reds will also apply for admission. Why not the Pea Comb Reds, too? And while mentioning Reds, why overlook John L. Costs' Red Indians who meet at Hagerstown every little while?

* * *

Texas has got her ears pricked up over the dark horse she sent to St. Louis, who won first on Single Comb White Leghorn cockerel. We rejoice with Texas, too,

because she won in hot and honorable competition, but from now till further notice that southern gentleman, McReynolds, the czar of the southern fancy, will never get over it. Spirited editorial and facsimile cuts of the cheek this bird brought will help to wake up the southerners. We knew all the time that the glorious South could make good, and like the little red hen, she did!

* * *

Some one should write a very interesting story of the life and work of Mr. Frank B. White. Here is a man who has done much for good advertising; he stands up for progressive poultrymen; he is ever at work for the good of the fancy and poultrymen generally, and if the kind words we have heard amount to anything he is held in great esteem by many of the breeders he has personally met, and those he has talked to through the press. It's his energy and good sense that we fanciers like—let his, like Abou Ben Adhem's tribe increase.

* * *

Latest advices from Port Arthur—excuse us, we mean Australia, are to the effect that Mrs. Hansel's American hens are now ranking third in place in the International laying test at the Hawksbury College. These Rose Comb Brown Leghorns are but nineteen eggs behind the pen of Australian Golden Wyandottes, heading the list with 693 eggs to their credit for seven months. Other American pens of hens are about where we last reported them.

* * *

Among women who are doing things in the poultry world is Mrs. U. R. Fishel,

LEARN TO RAISE POULTRY



If you raise poultry, "do it right." Make it pay as it should. Learn to avoid costly mistakes. Conduct your yard, large or small, on established, money-making principles. Poultry Culture can be made to pay bigger dividends in proportion to investment of time and money than any other branch of farm industry. It offers equal opportunities to women and men.

Complete success comes with thorough preparation. Our correspondence course of instruction will make you an expert. The lessons are sent regularly to your home. The benefits are immediate. Each student is taught individually. You can begin any time. **Now is the best time.** Our teaching is an unqualified success.

We make a business of placing graduates in good paying positions. No charge for the service. Many fine positions open at present. Qualify yourself for one of them.

Write for interesting free literature.

COLUMBIA SCHOOL of POULTRY CULTURE
Box 715, Waterville, N. Y.

PROFITABLY

who has recently bought the stock complete of Mrs. B. F. Hislop. Some reports say that Mr. Hislop made the sale, but his good wife was the turkey raiser, so we thusly give her due credit. Mrs. Hislop has won many blues with this flock for years, and Mrs. Fishel can be congratulated on securing them. We wish her unbounded success.

The truth of the matter is this—Dr. J. J. Hare deserves the support of every Buff Cochin breeder in America in his efforts to reorganize the fanciers of this noble variety. If the Doctor takes hold of a thing it is sure to move; and Buff Cochin breeders had better join hands and help him push the variety to the fore front now, for sooner or later they will have to "come in out of the wet."

Where are the officials of the National Poultry Judges' Association. This association was to have been organized at St. Louis during the late show, but in hunting for it one would get lost. No doubt but what the organization could do great good in getting the judges together on scoring or general work. The judges need to wake up and make progress with the balance of the fancy.

The English fanciers are becoming more and more in love with the Wyandottes. At the International show, held in London last month, a Partridge Wyandotte cockerel was sold for £165, equivalent to \$825, our money. In the laying test conducted by a club of national importance more White Wyandottes are entered than ever before, and lead all entries. These facts are gratifying to the American admirers of the Wyandotte.

Mr. E. W. Rankin is being dragged forth by his friends as the next president of the American Poultry Association, and as precedent says that he shall be selected from the state in which the annual meeting is held, why not Mr. Rankin?

The fact that one variety breeder went to St. Louis and carried off over \$1,000 prize money, mostly on odd varieties, should stimulate more to the same thing. To split this money up in four or five parts for as many breeders would do no harm. Let others get after some of it. Why not?

At Brockton, Mass., the Young Men's Christian Association is giving a series of lectures on poultry culture. Every two weeks during winter a specialist in some branch of the industry is to lecture on a topic which is posted in advance. This is only another method of turning the tide back to the land.

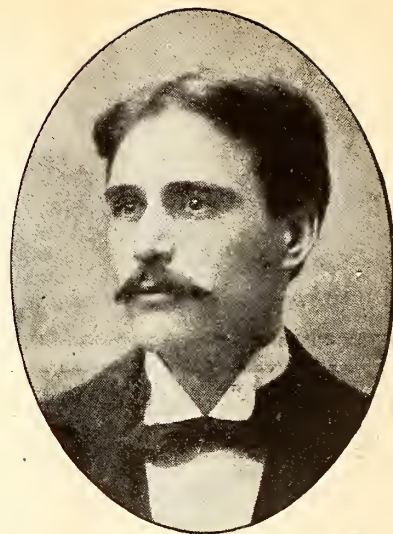
The Studebakers, of South Bend, Ind., of wagon and carriage fame, are starting a poultry plant of immense size, and the genial Mr. Frank Ashley has been placed in charge of it. They are adding some of the established breeds to their list and are only putting choice birds in the foundations they are building.

Thos. F. Rigg gives notice that an amended article of the Constitution of the American Poultry Association will be presented at the next annual meeting, the gist of which is not to limit the salary of secretary to \$300 per year.

In the minds of the fanciers who saw it the St. Louis show becomes better every day. Time will remove a great many imaginary short comings of this great exhibition.

One exhibitor who won a prize at the St. Louis show advertises that he has several hundred birds at home, for sale, "Just as good" as this one. This is a splendid sample of injudicious advertising.

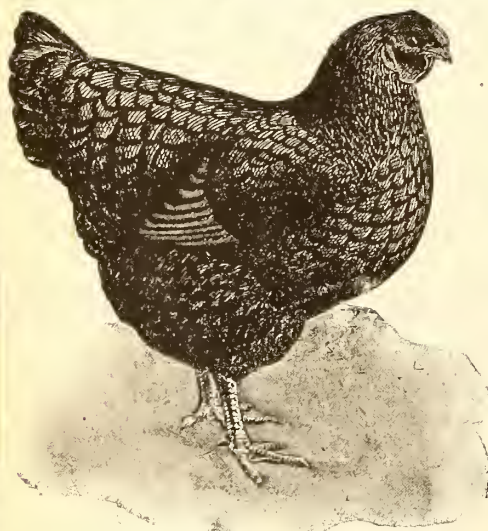
The next president of the American Poultry Association will be, as each of his predecessors has been, the Rankin' officer.



Wm. A. DeBold.

We take pleasure in presenting to our friends a portrait of Mr. Wm. A. DeBold, our special artist, who makes the paintings for our colored frontispieces, the latest appearing in this month's issue. Mr. DeBold is now recognized as one of the foremost poultry artists in the business.

As a boy, he was a lover of pets and a breeder of fine poultry, having enjoyed quite a reputation in his community. He did not take up the delineation of poultry, however, until recently, although a natural born artist (having displayed remarkable talent at five years of age). He was always busy with other affairs, and is at present a member of the firm of DeBold & Wolf, Engravers, of Peoria, Ill., better known to the trade as the Peoria Engraving Co. Their business is the making of fine printing plates, halftones, zinc etching from line or pen drawings and fine color work. They make a specialty of high class cuts for



JONES "THE WYANDOTTE MAN"

With more and better birds than will ever be found at "The Pines," Paducah, Ky., U. S. A. This is the original Jones, "The Wyandotte Man," formerly Edinburg, Ind.; you know the kind he breeds.

STRONGEST BLOOD LINES ON EARTH

This fact has been proven year after year for the past ten years by a long list of winnings at all the leading shows of the country, at such exhibits as the St. Louis World's Fair, New York, Chicago, Indianapolis, Springfield and numerous other large shows, besides furnishing many of the winners at the largest shows. What other breeder ever furnished four first winners at the largest Chicago show ever held? I can furnish you birds that will win in any company. High-class breeders in pens, trios, pairs, single or any number. I can supply your wants in

Silver, Golden, White Wyandottes

G. S. and S. S. Bantams. I have no over-stock, nor do I need the room, but I have now on hand and ready to ship

1000 Choice Selected Birds to Sell 1000

When I say this I mean that there is not a bad bird in the lot, not a bird but has the blood of the noted winners of the world in his veins. I have no cheap birds for sale at any price, but I have a grand lot of good birds for sale cheap.

Eggs for hatching after January 1st \$3 per 13, \$5 per 26

Send for the elegant illustrated catalogue. A book that tells you all about Wyandottes, how to breed them, with illustrated articles on mating; a book worthy a place in any library. Send 4 cents in stamps for mailing.

GRAND KENNEL OF SCOTCH COLLIES

with the purple blood of the Collie world. Puppies, Brood Bitches and Stud Dogs always for sale.

R. E. JONES

R F D 5, "The Pines," Paducah, Ky.

stationery heads, catalogues, inserts, etc., and have built up a business and reputation which places them in the front rank of plate makers.

No better color work of fowls in their natural colors has ever been done than the illustrations that have appeared in AMERICAN POULTRY JOURNAL from time to time, the work of Mr. DeBold, and we take great satisfaction in presenting to our readers a magnificent frontispiece in this issue of a pair of White Wyandottes from the yards of J. C. Fishel & Son, Hope, Ind. We propose to give our readers absolutely the best in everything, sparing no money or pains to do this, and believe that we are especially fortunate in securing for our readers this work from the hands of Mr. DeBold.

Two elements of success that contributed to this masterpiece were the splendid specimens of fowls from the yards of J. C. Fishel & Son, and the fact that Mr. DeBold is a thorough artist as well as fancier, and appreciates the value of giving correct representations of good stock. The need of a good artist in this line of work has produced a man in the person of Mr. DeBold who can satisfy the critical tastes of breeders and the readers of AMERICAN POULTRY JOURNAL.

The color printing of this picture was done by the Photo-Chromotype Engraving Co. of Philadelphia, Pa., who are, without doubt, the firm best fitted in this country to do the highest grade of work, as is clearly shown by what they have done in this case.

The Chicago Show.

The Chicago show is now uppermost in the minds of the breeders of the country. Never in the history of this organization has the management reported more interest at this time in this

breeders and exhibitors of poultry, pigeons and pet stock alone, but manufacturers of all supplies and appliances that go with successful poultry raising have secured space for their exhibits, which contribute largely to the interest of the poultry show and serve as well as an object lesson to hundreds of beginners who at such a time receive the inspiration to become fanciers.

The premium lists containing a record of liberal prizes offered on the different classes have been sent out and if any have been overlooked in this distribution, a copy can be secured by writing to the secretary, Fred L. Kimmey, room 500, 325 Dearborn St., Chicago, Ill.

The management invites entries from breeders all over the country and earnestly solicits their co-operation in making this one of the best shows ever held. There is no better place than Chicago for a breeder to make a record with winnings and establish his business on a strong foundation of awards secured in close competition and under conscientious judging as at Chicago.

Special Features of American Poultry Journal this Month.

The progressiveness of the fanciers and manufacturers of America is publicly demonstrated in no better way than through the liberality based upon good business principles with which they patronize the poultry journals of this country, showing their appreciation of the value of printers' ink and publicity in disposing of their stock and manufactured articles. This was never better demonstrated than in this issue AMERICAN POULTRY JOURNAL with its special features of a colored plate and the other beautiful illustrations.

Every line and page of AMERICAN POULTRY JOURNAL shows the spirit of the fancier and manufacturer, and the publication of this issue with its especially fine features is made possible by their confidence in the well established and tremendous business of the poultry industry in America and the ability of AMERICAN POULTRY JOURNAL to bring a share of this business to them.

A change in the design of the front cover showing a pair of white Plymouth Rocks to take the place of the pairs of White Leghorns that has been running for a year, marks the first number of volume 36.

The colored illustration is a work of art and speaks for itself without any argument and marks the step ahead that the poultry business is constantly making. The illustrations of fowls and poultry yards make a record that places the poultry business in the front rank of all great industries.

Many yearly subscriptions to AMERICAN POULTRY JOURNAL will expire during the next few months and many more are taking their place. With the full confidence to believe that we are giving our readers more than value for the price of the subscription, we ask for a renewal and the continued patronage of all our old readers. The expiration date of all subscriptions is printed on the wrapper. This can be looked up and by sending in a subscription before its expiration there will be no danger of any subscriber being cut off the list at expiration and losing an issue of AMERICAN POULTRY JOURNAL.

Many farmers allow their young turkeys to run in the stubble fields. They not only pick up a great deal of loose corn, but often get dainty morsels of green stuff, besides which they have plenty of fresh air and exercise.

Fowls that do not readily respond to fattening food, have a weakness that needs to be looked after.

NOW IS THE TIME

to bind up the past year's magazines before they are lost. The C. J. Farwell Co., 61 Plymouth Pl., Chicago, is the place to get a good job cheap. Write for prices.

BLACK BREASTED RED GAMES

I make a specialty of breeding Black Breasted Red Game birds—the exhibition kind. Good layers, fine mothers, best of table fowls, large, long legged, showy kind. Been in the business 12 years. Can furnish choice cockerels, \$3; choice pullets, \$3; pair for \$5; trio, \$7. Eggs, \$2 per sitting of 15. If fail to hatch as many as ten chicks will duplicate order for \$1 for 15 eggs. Satisfaction guaranteed. Write me. I have plenty of stamps.

ORVILLE D. CHINN, Keohoe, N. Y.

Barred Rocks Exclusively

I have not exhibited them this season, but they will for my customers. Choice breeding stock for sale. Mention just what you want.

MRS. TILLA LEACH 1 Main St., Cheneyville, Ill.

Rose Comb White and Brown and S. C. Buff Leghorns, W. Wyandottes, Lt. Brahmas, Embden Geese and Pekin Ducks.

Winners at Springfield, Ill., Nov. 23 to Dec. 3, '04, with scores of 90 to 96 by Heinrich-St. Louis, Chicago and Peoria winners.

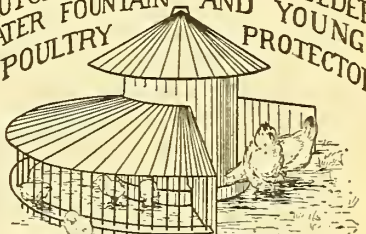
J. A. LELAND, WOODSIDE FARM, Springfield, Ill.

FIRST-CLASS MAGAZINES

and periodicals are the very best home educators. Dig up your old ones and have them bound in neat, durable books. It costs but a small amount. Write for prices. The C. J. Farwell Co., 61 Plymouth Pl., Chicago.

BARRED PLYMOUTH ROCKS
SCOTT LAKE POULTRY PLANT,
1408 Fishers' Bldg., Chicago, Ill.

AUTOMATIC POULTRY FEEDER, WATER FOUNTAIN AND YOUNG PROTECTOR
POULTRY



Give the young poultry a chance. Something new. Apartments for both feed and water and an adjustable protector. Will exclude any sized fowl desired. Water open to large fowls; adjustable water can within large can, therefore always cool. By test this feeder will feed 125 chicks a week with one filling, and five to seven hundred day after day. Write for prices. Agents wanted.

E. H. TURNER & CO. Tipton, Iowa

PRINTING!
Our work is the best. Our prices low. We prepay Express charges. We print everything in the Poultryman's line and guarantee satisfaction. Send for samples of our work, sheet of Poultry Cuts, etc.
WILL H. SCHADT, Dept. B, GOSHEN, IND.




Fac-simile of the National Fanciers and Breeders Association's Poster.

coming event. Unless all signs fail, the most successful show that Chicago has ever held will be pulled off at the Coliseum Jan. 23 to 28, 1905.

This interest is not confined to the

MANAGEMENT OF INCUBATORS.

Advice on the Management of Incubators and the Advantages of their use.

The most common causes of failure in artificial incubation are from faulty eggs. Perhaps that is always the cause of failure when instructions are strictly followed and the incubator is operated under proper atmospheric conditions. Eggs may be totally unfertilized, or so weakly fertilized that hatching is impossible. They may be too old or have been kept at too high or too low temperature, and from not having been turned properly or frequently, the germ may be attached to membrane, which will surely prevent hatching. Very great differences in size are objectionable, especially where the egg chamber receives its heat by radiation from a hot tank above it, which is the method in every make of incubator but one, the reason being that there is a much higher temperature at high levels than at lower level in the egg chamber.

The ideal place for an incubator is one where draughts of air are absent, where there is always a great difference between the room temperature and that required in egg chamber, and where the difference is strictly maintained, and where the humidity of atmosphere remains as uniform as possible in spite of change in atmospheric conditions outdoors. These conditions are usually best realized in a well insulated, clean and dry cellar, wholly or partially below the ground surface. By well insulated cellar, I mean that the walls must be thick

enough and of such material or manner of construction that conduction of heat is prevented. We have operated an incubator of the no-moisture type with fine results, in an upper room of a dwelling house, in February, March, April and May, but in the hot weather of June and July, in same incubator and same room, we hatched only 38 per cent, when hens were hatching nearly every egg from the same sources. Every incubator yet invented depends for its ventilation on the difference between outside and inside temperatures, so it is folly to assume that a reasonably equal ventilation results when the difference is below 50 degrees and 103 at one time and between 95 and 103 at another time.

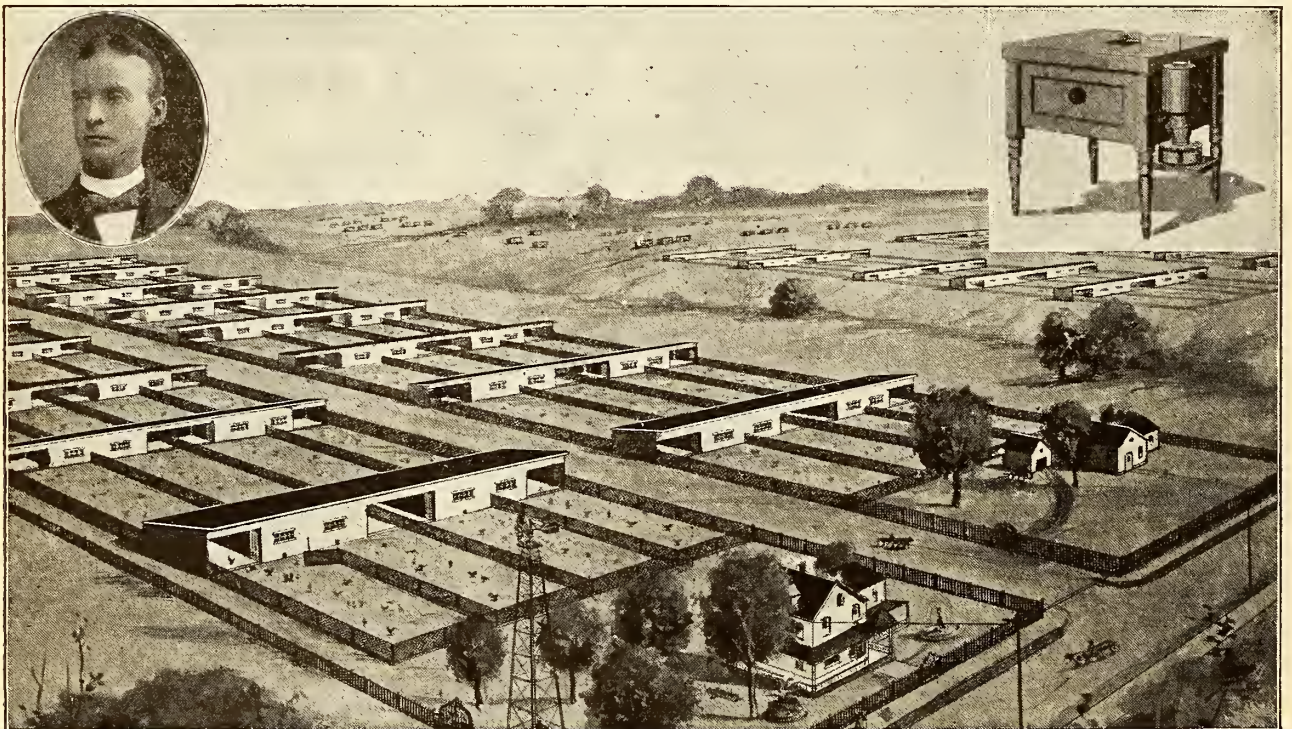
That the thermometer registers correctly must be ascertained with certainty, and, if incorrect, the error must be allowed for. We have had what is put out as a good incubator thermometer, which registered correctly for the first four months we had it, but eight months later, having been kept in the incubator meantime, it registered one and one-half degrees too high.

In starting an incubator from the cold state it is best to run it with doors and ventilators wide open for several hours, the time depending on its size, so as to expel all moisture. Then close the doors, set the ventilators according to instructions furnished by maker, place the thermometer with bulb at such a level as it would be if resting on and between two eggs lying on sides in tray. Then adjust the lamp until the thermometer registers 102 degrees, then adjust the heat regulator until the damper hangs level and just free of the flue when the thermometer registers 102.

When the thermometer has remained for one hour at 102 degrees without af-

fecting position of damper, put in the eggs, neatly placed, lying on their sides in tray, and adjust the thermometer so that the bulb rests on and between two eggs with the tube elevated at just enough angle to permit of easily reading the scale. The temperature of the bulb will fall considerably from contact with the cold eggs, but the damper may not fall, nor be any way affected. This is because the thermometer is more or less distant from the eggs, and its temperature is controlled by that of the air which encloses it, and the total volume of air in the egg chamber will be very little affected in temperature by the cold eggs, but do not make any adjustment of lamp or regulator for 24 hours, providing the thermometer never registered more than 102 degrees during that time.

The temperature at which eggs are to be maintained is usually assumed at 102½. In our practice we give 102 the first week and 103 thereafter. After 24 hours adjust the lamp and regulator so that damper hangs freely and level about ¼ inch above upper end of lamp flue. It is necessary to know that every thermostat, however sensitive and well placed it may be, has more or less of inertia, by which I mean that a definite change is necessary to the movement of the thermostat similar to the turn of the scale in weighing, and it is usually not less than one degree, often more. For the same reason, when the thermostat acts, it will move too much, causing at least one degree too much change, and unless very sensitive will not oscillate back to the temperature required. The range of regulation, too, is limited, and for the adjustment of temperature when the animal heat of the eggs begins to be manifested, the lamp flame must be lowered.



Crescent Poultry Farm, Des Moines, Iowa. The Largest and Most Complete Poultry Farm in the Country
Our New Book, "MONEY IN POULTRY," Just Out.

FRANK FOY proprietor of the **CRESCENT POULTRY FARM**, has just issued a new and valuable book called "Money in Poultry." This book contains 84 pages and probably gives more reliable information about the business based on actual experience on the farm than any other book of the kind published. It tells everything about the poultry business from start to finish; describes our 25 leading varieties of pure bred fowls, and the **Frank Foy Incubators and Brooders**. Quotes extremely low prices on fowls, eggs, incubators and brooders. Mailed for 4 cents in stamps. Address **FRANK FOY, Box B, Des Moines, Iowa**

After the first 24 hours the eggs ought to be turned, and the egg tray reversed end for end. This should afterward be done regularly every 12 hours until the close of the 18th day. If the turning be not systematically done, the hatch will be impaired, for the development of the circulation in any part of the egg will be impeded if that part does not at any time receive fully as much heat as other parts. In turning, we prefer quarter turns, marking eggs to make this certain, and assuming that the eggs be marked 1, 2, 3, 4, at the four quarters, we turn from 1 to 3, then 2, then 4, then 1 again, and so on. This seems to us the easiest way of assuring that all parts of the eggs receive maximum heat for the same length of time.

Cooling of the eggs is usually recommended, but we do not cool them specially. When turning we remove tray into a room 60 to 65 temperature and we turn the eggs in a leisurely manner by hand, also shifting the position of the eggs in the tray. This usually occupies five minutes, and after the 10th day we do not mind if the tray is out ten minutes, providing the room is not below 60 degrees. That is all the cooling our eggs receive except at testing times.

Testing is very necessary for several reasons. Probably infertile eggs may remain in tray up to the 10th day, without doing any harm, but on the 10th day, animal heat ought to be manifested on the surfaces of fertile eggs, also if infertile eggs be left in contact with fertile eggs the latter will be chilled, which will at least deter their hatching. With pure white shelled eggs, shells of ordinary thickness, first test may be on 3rd day. Indeed on the 3rd day with an egg of pure white shell the process of development may be seen better than at any time with eggs having dark shells.

With dark shelled eggs the end of the 6th day is probably as early as a good test can be made with any ordinary tester, and the first test should be made then. If the operator distrusts his opinion he need not remove unfertile eggs at this time, but on the 10th day the second test should be made and all infertile eggs and dead germs removed. At the end of the 14th day, the third test should be made. At this time if incubation has proceeded at a normal rate, fertile eggs having live germs will appear as opaque, the whole surface of the egg as viewed in one plane and any egg which fails to show opacity to this extent is either much behind time or else contains a dead embryo. After the 14th day further test is necessary for dead germs, but we test up to the 18th day for size of air cells.

This is a matter which demands considerable explanation. When an operator is using his own eggs whose characteristics he is well acquainted with, the size of the air spaces is a perfect index for deciding when and how much moisture the eggs need, if at all, but when using eggs of all kinds and sources, it is not at all a valuable index. There is a well known chart, published in many books, showing relative size and form of air cells after each of certain specified days of incubation. This chart in my opinion is only good for eggs incubated in a moisture machine and the spaces are somewhat larger than normal sizes, after some times of incubation in any machine where moisture is not to be added at any time. Most makes of moisture machines

give instructions as to how and when moisture is to be added, but I think any operator using his own eggs may learn by observation of air spaces to know exactly what is necessary as to adding of moisture during any hatch.

From the 10th to the 14th days, the animal heat of the eggs begins to be manifested and attains its maximum under normal conditions of incubation. During this time the lamp flame and regulator will need frequent adjustment. The more adjustment there is required the more certainty is there of a good hatch, if nothing untoward happens later on.

After the end of the 18th day, the incubator should not be opened for any reason. When the hatch is about to begin, the temperature of the eggs will rise, and we do not try to check this rise unless the temperature goes beyond 105 degrees, but this is egg temperature and not that of air in the egg chamber.

All incubators should have a nursery underneath egg trade, into which chicks can get as soon as possible after they are dried off. When the egg chamber receives its heat by radiation from the under surface of a hot air or hot water tank above, as it does in nearly all makes of incubators, a chick standing upright in the egg tray will have its head in a temperature of about 110 degrees, and prolonged exposure to this is harmful. In the nursery the temperature will be about 90, with no chicks in it, and about 100 when well supplied with chicks. The chicks may be left in the nursery until about half the eggs are hatched, and then removed to other suitable quarters. The chicks hatched later may, if necessary, be left in the nursery for 24 hours or more, if the egg tray be removed when the hatch is finished.

Those who have used incubators will generally have a preference for one form and make of incubator. I must confess to that failing, but at the same time I know that while there are good makes and bad makes all those makes that have been on the market for several years continuously will hatch well if intelligently operated under proper atmospheric conditions. I believe also that many makes of incubators can be so operated as to hatch all eggs that any hen could hatch, and fully as strong chicks too. Anyone who has had much experience with sitting hens will readily appreciate the advantage of incubators in place of hens. The apparent advantages from my point of view are:

1. The incubator is always ready. You do not have to wait for it to become broody, nor to waste time and eggs in finding out whether it is broody enough.
2. It never leaves the eggs, nor tramples them, nor refuses to sit where you place it, nor throws any eggs out, nor kills any chicks when they are hatched. It is absolutely proof against cannibalism. In fact, your eggs are not subject to any one of the caprices that biddy may be addicted to, and they are legion.
3. The incubator will hatch a large number of chicks, which may be brooded together in large lots, and thus the cost and trouble of rearing is lessened.
4. Incubator chicks are more tame and tractable than chicks hatched by hens, and this, with small, nervous breeds, is a valuable consideration.
5. Incubator chicks are not hatched with lice on them, and need never become

lousy while being brooded, whereas "eternal vigilance is the price of liberty" from lice in most cases where a hen hatches and broods chicks.

6. Finally, I believe that chicks may be reared more rapidly and to better development when there is no hen to interfere.

JAMES SHACKLETON.

Short Hills, N. J.

FEEDING FOR EGGS.

Ten inches of litter—clean water, slightly warm—plenty of grit—oats for breakfast scattered in litter over night—mash with a ratio of 1 to 4 at noon—grain at night—wheat and cracked corn alternately, and whole corn if weather is severe. Summary: Three days mash, three days cracked bone, green vegetables before them all the while. Keep birds free from lice.

S. E. LANE.

Supt. Emma B. Poultry Farm.
Gurnee, Ill.

CABBAGE.

At this season of the year, when the fowls are confined to their winter quarters, it is the business of the poultry raiser to supply his fowls with everything in line of rations. Much that they can get for themselves during the summer months. One of the most important items is a supply of green food and one of the best ways of furnishing this is in the cabbage. Hang a head of it up in the henhouse and you will be surprised how soon 10 or 12 fowls will finish it.

J. A. BARNUM.

Tekonsha, Mich.

James Rankin is the father of duck culture as a business, in this country, judging by the generally accepted honor paid Mr. Rankin. But strictly speaking, that credit belongs to the father of A. J. Hallock, of Long Island, who raised market ducks before Mr. Rankin began. The business is still kept up by the son.

Too Late to Classify.

FOR SALE—Choice Black and White Langshans, Single Comb Brown Leghorn cockerels or pullets, Buff Rock cockerels. Eggs, pen 1, \$1.50 per 15; 2, \$1. Guaranteed as represented. C. W. Wain, East Monroe, Ohio. 1-3

PHEASANTS—100 Golden Pheasants, \$8.50 per pair. Other varieties cheap. Eggs in season, 40 Peafowl, \$11 pair, 1,000 Homers, 95 cents pair. Ferd Snodow, Hyde Park, N. Y. 1-6

WHITE PLYMOUTH ROCK and Single Comb White Leghorn cockerels, pullets and eggs for sale reasonable. E. Field & Son, Camden, Ohio. 1-3

SINGLE COMB White Leghorns, celebrated Van Dresher strain. World's record winter layers. Fine early broilers. Eggs \$1 per 15, \$6 per 100. White Star Poultry Farm, South Amboy, N. J. 1-2

BARRED PLYMOUTH ROCKS. Eggs one dollar for 15, Mrs. J. D. Turley and Miss Jessie A. Turley. Address latter Black Water, Mo. 1-3

SEVEN YEARS BREEDER SEVEN years first prize winner, state and other shows. Get the best Single Comb Black Minorcas; greatest egg producers, strong constitution, fine points for show room. Eggs \$2 for 15. Cockerels, \$5 each. AUGUST VOGELER, Salt Lake City, Utah. 1-1

Poultry Printing
The egg season is here and prospective buyers are best reached through good printing. Circulars cost but \$1.25 per 100, \$1.75 per 250; letterheads or envelopes 75c per 100, \$1.40 per 250; labels and tags 60c per hundred, postpaid. Send 2c for complete samples. B. P. Rocks and S. C. White Leghorn eggs, \$2 per 13.

JOHN ENGEL, JR.

90 Komorn St., Newark, N. J.

INSTRUCTIONS TO THE BEGINNER.

**How to Get Prominently Before the
Public as a Fancier and Breeder, and
Establish a Paying Business.**

First, let me say conspicuousness of character must chime with conspicuousness of position. The topic sets forth a trinity of excellencies. A fancier, a breeder and a successful business man—a rare combination and is itself my apology for introducing the

PERSONAL EQUATION.

As the beginning of instruction I assume direct form of address at the risk of being thought impertinent. Are you sure that you can go into the "chicken business" even in a small way and maintain your self-respect? You cannot hope to succeed with a low idea of the business itself. You must consider the vocation not merely as honorable, but also as worthy, not merely as a money-maker, but as a blessing to the world as well. You have no moral right to engage in a business that does not commend itself to your moral sense. Some persons regard the poultry business as low, mean, small, unworthy of immortal farmers and caste. Social antecedency and paternal instructions have elevated many an un-

clean nose above the hen yard. Society engages to empty its ashpan on the poultry farm. If you are affected with any phase of the vanity, you have not good sense enough to "scratch with the hens" and would better betake yourself to other industry. You must, absolutely must have a taste for an interest in poultry. You may be a breeder without this, a fancier never.

Further, you need good practical sense to succeed both as a breeder and business man. Good judgment, mastery of detail, in short, every mental quality needful for success, in other business ventures, finds ample field in the poultry business. Being blest with honor in your dealings with others is not enough. You may be a technical purist and a moral liar. "Honesty is the best policy" merely as regards your own safety and may be steadily observed without enthusiasm. You need both correct moral sense and moral courage to hold you joyously to what your best judgment and finest moral sense assure you to be right in the conduct of your business. Now, assuming that you possess these necessary qualifications, my advice is:

Get ready before you begin. A high-class education may not be needful, but a good general education is manifestly important. Your very brain power may prove a menace unless you have it under control. Your economical preparation should be thorough and extensive as the demands of your business enterprise. If possible, attend some one of the schools that sustain a poultry department. If the school is out of question, spend at least a year in some first-class breeder's plant. Go there as student and helper. You may have to accept small pay or no pay, never mind, you are getting ready for ownership. Be observant, ask questions, discuss topics, gain facts and a mastery of them. Do not be content with knowing how; learn the why of every detail, mark results of every step. You need to know the laws of heredity, the influence of environment, the process of development, the efforts of opinions, the different rations and the principles that govern in the conduct of a successful plant; learn these things thoroughly. If you cannot master these knowledge quit and go to something else.

I would emphasize, also, the value of the poultry journals. Read them, digest them. Much of the very best literature of your proposed business is published in them, month succeeding month. Study also the "Standard" and other standard books on poultry culture, especially those of a philosophic nature.

HOW TO BEGIN.

You may be compelled by circumstances to begin where you are. The special conditions must be met by adaptation. If you can select your location, get right into the heart of chickendom, having regard, of course, to your breed markets and vicinities. No permanent gain can be got by violating yourself or attempting to "corrall" a virgin territory. Begin in a small way. One breed is enough for any beginner. A small amount of debt may prove a stimulus. Much depends on your disposition. As a general proposition it is best to avoid debt as your actual asset. Moreover, your investment is not worth its first cost until you enhance its value.

The selection of a breed will perhaps precipitate a conflict between the fancier

and the breeder and business man in you. The fancier must be held in check. He will pauperize himself by luxury if he gets half a chance. The breeder and business man may heartenize himself by worshiping at the shrine of utility. There are many best breeds. Doubtless there is only one best breed for you. As a fancier you have an eye for beauty, shape, color, carriage, disposition, size appeal to you. As breeder and man of affairs you are looking for profits. It should not be over-difficult to decide on some one of the general purpose breeds, as satisfying your eye for beauty and your desire for profit. First settle as to your aim in breeding, whether the general market or one or more of the special outputs be broilers. Study well the adaptation of the several breeds, then bearing in mind that you are a fancier, make your choice. I would advise you to let the markets take care of themselves for awhile and push your trade in the wide field of the general market. Bear in mind also that a breed that will not make a good profit from eggs alone is not worth while.

Having selected your breed, get the very best stock. The reason is obvious. You can get your start on the foundation of a successful breeder. The immediate cost is greater than for inferior stock, but the near future will fully compensate for the larger outlay. I would buy stock rather than eggs, because the profits are immediate, the outlay need not be much greater. You get the experienced breeders' finished product, you can see it. When you buy stock, buy on approval. If it is not as represented return it. If sacrifice it to be made getting a start let it be in quantity, but the best, the very best and *nothing* but the *best*. Do not despise the small breeder and specialist; he may not dazzle you with wide-spreading ads, but the chances are that he can do you far more good than the 30-variety man. If you can, visit the yards of those you may do business with and make your selections. Be as economical as you can.

HANDLING THE FLOCK.

Comfort and convenience are both of prime importance in your house. Your building must be proportioned to the size of your flock. Allow 5 or 6 square feet of floor space per fowl. The nearer your house approaches the square, the cheaper

GLOBE



Poultry Food

**A carefully mixed, balanced
ration of grains, cracked and
whole, and selected seeds
best adapted for vigor-
ous growth of fowls
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SUITABLE AT ALL SEASONS

Clean, Sound, Wholesome

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We offer these goods on their merits.

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MAKES THEM
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An Oakes Regulator
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GOOD SEEDS CHEAP

Best in the World.

I have been growing plump seeds and selling them on the square. My customers stick. Nobody else sells my quality of seeds at my prices. 1 cent a pkt. and up. Onion seed 50c per lb. All other seeds equally low.

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PAY MAILING OR EXPRESS.**

I want to fill a trial order, large or small, for you. You'll come again. Send your own and neighbor's name and address for big FREE catalogue.

R. H. SHUMWAY, Rockford, Ills.

it may be. Make it warm, well ventilated and arranged for convenience in keeping it clean. I have never formed a general plan that wholly commends itself. Your own practical sense must be relied on to adopt any formal plan. Again I urge economy, your house need not be pretentious, it must be comfortable, both winter and summer, and it *must be kept clean*.

Among the flock study to be quiet and mind your own business. These birds are the open leaves of the book you are learning to read and understand. Tame them, make friends of them, know them one by one.

Feed is of prime importance. Do not lose your fowls; feed them. This is both science and art. Science for knowing the demands of your fowls, art in the application. You can fatten a fowl in ten days. It would seem unwise to feed fattening food during the whole year. You must feed for eggs, development and energy. Get a chemical analysis of the egg and various foods and study them with care. Lean meat, bone, wheat, oats and like grains are thus learned to be most valuable, but you must study the relative value of foods and feed with an eye both to the demands of your flock and cost. This will keep you figuring for a day or two and incidentally, occasionally always. Assure yourself that all that the advertised necessities are not necessary. Hang onto that pocketbook. A sufficiency of wholesome food, having regard to variety—meat, grains and vegetables are all you need. You must also supply teeth in the shape of sharp gravel, broken crockery or commercial grit, and you must provide exercise. Make your fowls work. Begin the fight on vermin at the very beginning and *don't* let up.

¶ In mating, I believe in small flocks, you can work with greater assurance of results. I have not very much confidence in the doctrine of opposites and have no confidence in the man who lays down a general rule for all varieties. I know of no department of the poultry business where experience and judgment count for so much and need be more fully relied upon.

You must familiarize yourself with the laws of heredity. Study the effect of sun and shade and age upon color, and experiment. Care must be taken to avoid mating for fancy points alone. A good all over bird will give better results than one especially strong in one or two points and otherwise weak. Mate none but healthy stock, vigorous, profitable and as near alike—shape, size and color—as you have. Breed in line but not too close. The closer you inbreed the more attention must you give to vitality in parent stock. Remember, your flock is to be practical. Do not use a bird that you cannot sell. Sell only what you cannot use. Make up your pen of the choicest of the flock.

PUSHING TO THE FRONT.

¶ This is the business end. Some persons cannot do business even if it stands about them waiting to be done. If you are of this number get some one to act on your behalf. Master the detail of your business, so that you are familiar with it at every point. "A penny saved is a penny earned." Avoid waste. Scraps of food saved may be the nucleus of dollars in the profit accounts. This habit of economy will soon tell on your business affairs and help to assure permanency. Tidiness is another delightful attribute that will aid materially in getting prominently before the public. Those

things may not affect the public a thousand miles away, but your public is the immediate neighborhood and transients. Get your neighbors to talking favorably; they will soon spread your fame.

Advertise your business. Advertise liberally, but not wastefully. Advertise the year around. Select a paper that has an actual circulation of a large extent. Do not be caught too often by glaring promises and special rates. Good advertising space is worth great money. Change your ad frequently, make it attractive and unquestionably truthful. You can well afford to take lessons in ad writing. Attend the poultry show, exhibit your stock. Mix with the fraternity. Keep your eyes and ears open and go home with an added education.

I believe in the private score card. It aids the beginner in judging his stock, it affords you a chance to discuss points with one who has some knowledge, and after all that has been said "it does tell mightily with the buying public." As for the culls and market birds, you must study the markets. I have found it more advantageous to sell 3 or 4 lb. chicks in July than to hold them for larger weights and almost invariably smaller prices.

I have said nothing about incubators, brooders, heating apparatus, patent nests, etc. I have assumed that you are a beginner and comparatively poor. You would better succeed first with the good old way and make haste slowly. When you get on your feet you may buy an incubator, but I would advise you to wait until you can attend to it—devote your whole time to your poultry affairs. All such things can be added at such times as your growing business demands.

Now I venture to assert that a beginner of such moral fibre and intellectual capacity as indicated and observing the course marked and by these rough lines of thinking, cannot fail to "get prominently before the public as a fancier and breeder and build up a paying business."

I have studiously avoided rehearsing a great many pertinent suggestions, because such preparation as I have advised should provide for such omissions. A noble manhood with good furnishing is the best foundation for success. It is the man who succeeds. You will meet with many a discouragement. These should only fire your ambition. Carefully weigh yourself, count the cost, make ample preparation at the beginning, concentrate your abilities with enthusiasm upon your ambition. Economize both in expenditure and methods. Be wise in economy. Do not be a niggard—push. Push, PUSH, PUSH. Be patient, prompt, honorable, courteous in your dealings and you will win.

Anita, Ia.

J. F. DAVIS.

R. H. Rolson, Urbana, Ohio, the Buff Plymouth Rock specialist, is offering some choice cockerels for sale at very reasonable prices. Write him for prices and particulars.

Under our illustration in the December issue of first prize Houdan hen at St. Louis, we gave the credit to C. J. Sadler, Old Orchard, Mo. This should have been credited to E. F. McAvoy, Schenectady, N. Y.

J. W. Andrews, of Dover, N. J., whose ad appears in the Classified Ad columns sent a June hatched R. C. Buff Orpington pullet to St. Louis and won third in a class of six. One of her sisters won second at the Herald Square. He expects to capture the blue at Madison Square.

Klein & Anderson, Macon, Ill., breeders of several varieties of fowls, ducks and geese, have a change of ad this month. Write them for prices and particulars and mention AMERICAN POULTRY JOURNAL.

J. H. Doane, Gouverneur, N. Y., the Black Minorca specialist, in sending in copy for change of his ad, writes: "Have a grand lot of birds to fill matings with and hope to get out many more next season than in past seasons. Have about forty cockerels, and several of them strictly good show birds. Also about 100 females to sell, and some fine ones." Write him for prices and mention AMERICAN POULTRY JOURNAL.

Dr. W. G. Baker, proprietor of the White Lily Poultry Yards, writes that he won three prizes at Hamilton, Ohio, on his White Wyandottes. Look up his ad elsewhere in this issue and write him for prices and particulars.

As Good as Any and Better Than Some

Isley's Barded p. Rocks

Show birds fit to win in the fastest company. Breeders in any numbers. Prices to suit buyers who want good birds. **Bronze Turkeys and Pekin Ducks.** Address

ED. ISLEY, Box 512, Hope, Ind.

Why Poultry Pays

AND

How to Make it Pay

Contains just the information you should have and must have, to succeed with poultry. The regular price of the book is 50 cents. We will send it upon receipt of price or will send it and give a year's subscription to American Poultry Journal, both for 75 cents. Address,

AMERICAN POULTRY JOURNAL PUB. CO.,
325 Dearborn St., Chicago, Ill.

HOW TO BUILD Poultry Houses

Price 50 Cents

This book contains plans and instructions for building all kinds, styles and sizes of poultry houses, and will be worth dollars to you in telling you how to build best at the least cost. You need it even though you wish to build only a shed. We will send it and a year's subscription to American Poultry Journal for 75 cents. Address,

AMERICAN POULTRY JOURNAL PUB. CO.
325 Dearborn St. - Chicago, Ill.

Subscribe Now For American Poultry Journal

Fifty cents will pay for it for twelve months and, if you are interested in poultry, you cannot make a better investment. Any single number of the Journal is worth more than the subscription price for a year. Examine it and see for yourself.

AMERICAN POULTRY JOURNAL is the leader and contains more valuable instruction than any other publication devoted to standard-bred fowls. If you send in your subscription at once the beautiful colored picture, "A Yard of Chicks," will be sent free. Address

AMERICAN POULTRY JOURNAL PUB. CO.
325 Dearborn St., Chicago.



MILLS' "NEW HEN" INCUBATOR \$5.50

Here is the Incubator everybody wants. It is the most wonderful setting hen on earth; always ready to hatch your eggs, and will do it every time if they are fertile. It is built of good material throughout, double walls, self regulating and handsomely finished; nothing to get out of order; will last for years and must not be compared with anything on the market.

It is a perfect batcher of 55 egg capacity—just the thing for private families where from a few dozen to several hundred chicks are to be hatched during the season; so simple anyone can operate it and after you try one you will have no other, and your neighbors will want them.

This "New Hen" is the result of our experience in raising poultry on our large poultry farm and we guarantee every machine to give satisfaction, and in order to place one in every town in the United States at once we make the price \$5.50, and can ship machine at once on receipt of order.

Our new Catalogue of Thoroughbred Poultry, Poultry Supplies and Incubators will be mailed free to all who apply for it.

F. B. MILLS, Box 514, Rosehill, New York.



Judge S. T. Lea says that "Alice White" is the most beautiful and nearer perfection than any bird he ever handled in 20 years judging poultry.

The Gaines' White Ply. Rocks

BRED TO WIN—AND DO IT

We offer a prize of \$50 in gold for best pair, (cockerel and pullet) Free circular which explains, on request. The Gaines White Rocks won at Charleston, S. C., Nov. 21 to 26, 1904. Pullets, 1st, score 97 1/4; 2d, 95 1/2; 3d, 95 1/4; tie 4th, 94 3/4; also 3d pen. Male birds all in bad feather. Eggs for hatching but no stock for sale till fall.

E. H. GAINES, Prop., GAINES' POULTRY YARDS, GAFFNEY, S. C.

West Michigan Poultry Farm

Breeders of Prize Winning

Barred Rocks, White Rocks, W. Wyandottes

Winners at Chicago show. "A prominent poultry judge selected one of our White Wyandotte pens as the best in the west." Order eggs now. Send for circular.

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OAK BLUFF

Light Brahmas & Partridge Wyandottes

I have about 250 choice cockerels and pullets, five cocks and about twenty hens for sale, and can furnish you choice exhibition stock in both varieties or fit you out with excellent breeders. **MY LIGHT BRAHMAS** won at World's Fair, St. Louis, 1st, 3d cocks, 4th cockerel, 5th, 6th, 7th pullets. At the great Chicago show they won 1st, 3d cocks; 1st, 2d, 3d, 4th cockerels; 1st, 3d, 5th hens; 1st, 2d, 3d, 4th, 5th pullets; 1st pen and grand special silver cup. Their clean cut markings and fine shape made them favorites in both shows. **MY PARTRIDGE WYANDOTTES** won at the great Chicago show in the hottest of competition, 1st, 2d cocks; 1st, 3d, 5th cockerels; 2d pullet, 5th hen, 2d pen, grand special silver cup. They are elegant in both shape and color. Send for my catalogue and write me your wants.

OAK BLUFF,

DR. N. E. MIGHELL,

Marshalltown, Iowa.



THE RESULTS

OF USING cheap and inferior poultry supplies, foods and grain rations have proven that such investments are the worst that can be made. The practical poultryman and farmer of today demand articles that have value and that will bring the most profitable results. ¶ We are the largest poultry supply dealers in the world. Our large Illustrated Catalogue describes hundreds of useful appliances for the farm and poultry yard. To those who inquire for this book we will give absolutely free, a true-to-life picture in three colors of Edward B. Jr., the famous WHITE PLYMOUTH

ROCK COCK, bred by U. R. Fishel, and sold for \$500.00. Our catalogue contains valuable information on the question of feeding and rearing poultry; also describes our complete line of INCUBATORS and BROODERS. Our machines have never been defeated in any contest. The principles that we employ in building our incubators and brooders have been tested for the last fifteen years and have proven successful. They are sold on a POSITIVE CASH GUARANTEE—Money Refunded If Not Satisfactory. We handle only standard and guaranteed goods. Bone Mills, Clover and Root Cutters, Feed Cookers, Brooder House Heaters, Spray Pumps, Farm Carts, Shipping and Exhibition Coops, "International Pheno-Chloro," "International Louse Powder," "International Louse Paint," "International Roup Cure," "International Cholera Cure," and other Standard Stock and Poultry Remedies.

JEWEL CHICK FEED

Is a GUARANTEED FEED, and will raise more chicks to maturity than any similar preparation in the world. We guarantee to refund money in every case where this feed fails to give satisfaction. ¶ Those interested in poultry should send for our catalogue at once and learn the particulars concerning our FREE OFFER of Valuable Books that we will give each inquirer.

Address All Communications to.....POULTRY DEPARTMENT, Box "E," INTERNATIONAL STOCK FOOD CO., Minneapolis, Minn.

A NEW POULTRY BOOK.

Especially Written and Designed for the Beginners—Mr. Clarence Ward is the Author—Sent on Approval.

Last month we gave a hasty review of a new poultry book, entitled "Successful Poultry Culture for Pleasure and Profit," by Clarence Ward, proprietor of the Congress Park Poultry Yards, of Congress Park, Ill. We have since then given this book a more careful perusal and find it to be one of the best books for the beginner in poultry culture that has come to this office for some time. It is verily a gold mine of valuable information on this subject and we believe it will prove to be a gold mine to anyone following its instruction, as it is both practical, up-to-date and scientific.

The book treats at length on the great profits in poultry culture, citing many cases where splendid incomes have been made from this fascinating business. It is a well established fact that there is big money in poultry culture. There are thousands of men and women who are earning princely incomes from it, while there are many more thousands who are making a snug little income every year conducting it as a side issue. To make from \$100 to \$1,000 clear profit every year, just in the spare moments, is no small matter with most people. And yet there are thousands who are doing this very thing raising poultry, and this same thing can easily be accomplished by anybody who will conduct it in an intelligent manner. It is just for this latter class that Mr. Ward has designed his book and by following its simple instructions success will be sure and the profits large.

SENT ON APPROVAL.

Mr. Ward wants every beginner to read his book, and is willing to send it free on ten days' approval to every man, woman or boy interested who will take the trouble to write to him for it. In order to assist our readers to get this book on approval we print the following coupon, and advise our novice friends to fill it out, cut off, and send it today: Congress Park Poultry Yards, Clarence Ward, Prop., Congress Park, Ill.

Enclosed find 4c in stamps for which please send me on approval, your new book, "Successful Poultry Culture for Pleasure and Profit." If I want the book I agree to send you 50c for it. If I don't want it, I agree to return it to you within 10 days.

Lanier's Barred Rocks are better than ever (Harry M. Lamon and E. B. Thompson strain direct). Will have the grandest matings for the egg trade this season I ever owned. Each yard headed by a fine exhibition specimen fit to show at Chicago or New York. Orders booked now. Free circulars containing real photographs of my birds. Eggs, \$3 per 13. Satisfaction guaranteed. Write me.—DEWITT LANIER, Cardwell, Mo.

Wilber Bros., Petros, Tenn., won a big victory in a very strong class of S. C. W. Leghorns with only one pen entered at the big Chattanooga, Tenn., show just closed. They made a clean sweep on firsts and seconds and their winners were as follows: 2nd cockerel, 1st and 2nd pullet, 1st and 2nd hen, 1st pen and a long list of valuable specials.

The first requisite for success in market poultry is the judicious selection of a variety for the purpose intended, says the same authority. For the purpose under consideration pure-bred fowls are so superior to mongrel stock, that no one who desires to make the best of it should for a moment entertain the idea of using mongrel or mixed varieties.

The editor of *Rural New Yorker* says: "I heard a good deal of talk about 'fresh' eggs. What does 'fresh' mean? Lots of farmers take their eggs to market 'once in ten days or two weeks,' and feel quite hurt if the buyer calls them stale." An egg is not, strictly speaking, fresh after it is three days old.

Authorities claim that it is a mistake to believe that geese or their droppings will kill grass or destroy a pasture. If you have a large flock of geese and a small pasture, they will clean it up. That is, they will eat the grass as fast as it sprouts, and give it no chance to grow, just as a cow on a city lot will soon have only bare ground, and you have to tie her out in the road. If you could do the same with geese, you would find the grass coming up again and growing as before.

It will sometimes happen that you will hatch and raise a gosling with a broken wing. It is no serious fault at all, only a misformation in the egg. If it is a nice, large, promising bird, it is advisable not to kill it. There is no danger that it will breed broken wings. Should the defect be an eye-sore, Newman advises a little surgery. Take a sharp knife and sever the crooked part at the joint. Bandage it and it will soon heal, and you will never notice it afterwards.



GREIDER'S FINE CATALOGUE
of Standard bred poultry for 1905, printed in colors, fine chromo, suitable for framing, illustrates and describes 60 varieties. Gives reasonable prices for stock and eggs, tells all about poultry, their diseases, lice, etc. This book only 10 cents.

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Reliable Exhibition Coops

Solid, rigid, put together with screws, these coops are just right for the display and protection of valuable birds. The woodwork is painted a dainty blue tint which in contrast with white muslin gives your birds ideal surroundings. Coops can be cleaned even if piled on each other. Six sizes—single and double. Send 10 cents for postage and get a book worth dollars to any poultryman.

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Acknowledged everywhere the world's greatest laying strain. None better in standard qualities. By our 30 years of continuous breeding and selection we have placed them unquestionably in the lead as the most profitable strain in America. You assure your success by using them as your foundation stock. Choice stock for sale in any quantity. Yearling hens and early hatched cockerels and pullets, all free range raised and perfectly developed birds that cannot fail to please. Send for catalogue and let us know your wants. Address

WYCKOFF'S FARM, Aurora, Cayuga Co., N. Y.

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...ON YOUR SUBSCRIPTIONS...

Instead of paying full price, take up one of our offers. You can take more papers in this way. All papers are for a year. Send at once.

Papers can be sent to different Addresses if desired.

Every fancier needs more than one poultry paper in the successful conduct of his business, thereby securing the wide range of valuable information on all phases of successful poultry raising. There are over 70 poultry papers in the United States. AMERICAN POULTRY JOURNAL, which enjoys the prominence of being the pioneer paper of not only the United States, but the world, has been enabled to make special clubbing prices with some of these journals and we give our subscribers the benefit of same.

We have also made a careful selection of all the best poultry books published. In the list below we have combined AMERICAN POULTRY JOURNAL with only one of these publications or books with special price for same. Should any one desire to take more than one poultry paper or book in connection with AMERICAN POULTRY JOURNAL, they can find out the clubbing price by adding the regular price of all the books and journals they wish to take together and deducting 25 per cent. For instance, should you wish AMERICAN POULTRY JOURNAL at 50 cents, one other journal at 50 cents and one book at 50 cents, the clubbing price would be \$1.12. These clubbing offers are for old subscribers as well as new.

All orders received at this office will have prompt attention and we in turn will send the orders to different papers, thus saving you the annoyance of writing a number of letters and also saving you money through the reduced rate we can make you by sending in your order for all the poultry papers or books you wish to us.

Orders will be taken for the new Standard of Perfection, published by the American Poultry Association, and which will be ready for delivery March, 1905. This is a book of nearly 300 pages and will contain over eighty black and white illustrations of ideal specimens of male and female of every Standard variety.

	Sub. Price.	With A.P.J.		
Canadian Poultry Review...	\$0.50	\$0.75	American Standard of Perfection	1.50 1.75
Western Poultry Journal...	.50	.65	A Living from Poultry	.25 .70
Poultry Success	.50	.75	Profitable Poultry Farming	.25 .70
Fancier's Gazette	.50	.70	Winter Eggs	.25 .70
Successful Poultry Journal...	.50	.75	Farm Poultry Doctor	.50 .80
New England Poultry Journal	.50	.75	Poultry Craft	1.50 1.75
Michigan Poultry Breeder ..	.50	.65	From Shell to Snow Room	.50 .75
Poultry Tribune	.50	.70	The Book of the Hamburgs ..	.50 .75
Ohio Poultry Journal	.50	.70	Secretary's Entry Book....	2.00 2.25
Poultry Keeper	.50	.75	Belgian Hare Guide	.25 .65
Poultry Herald	.35	.60	The Homing Pigeon	.25 .65
Poultry Gazette	.50	.75	American Fanciers' Poultry Book	.50 .75
The Feather	.50	.70	Money in Squabs	.50 .75
Southern Fancier	.50	.75	Diseases of Poultry	.50 .75
Inland Poultry Journal...	.50	.75	Pocket Money Poultry	.50 .75
Reliable Poultry Journal...	.50	.80	Feather's Practical Pigeon Book	.50 .75
Poultry	.50	.75	The Wyandottes, by The Feather	.50 .75
Commercial Poultry Journal ..	.50	.75	The Plymouth Rocks, by The Feather	.50 .75
American Poultry Advocate ..	.25	.65	How to Grow Chicks	.25 .70
American Fancier (weekly) ..	1.00	1.25	The Egg Question Solved...	.25 .70
Farm Poultry (semi-monthly) ..	.50	.80	999 Questions and Answers...	.50 .80

BOOKS.

	Reg. Price.	With A.P.J.		
Why Poultry Pays and How to Make It Pay.....	\$0.50	\$0.75	Plymouth Rocks, Barred White and Buff	.50 .80
How to Build Poultry Houses	.50	.75	The Leghorns, Brown, Black, White, Buff and Duckwing.	.50 .80
Eggs and Egg Farms	.53	.80	Turkeys	.50 .80
The Asiatics	.50	.80	The Wyandottes	.50 .80
Philosophy of Judging.....	1.00	1.25	The Bantam Powl	.50 .80
Capons and Caponizing....	.25	.70	Artificial Incubating and Brooding	.50 .80
The Minorca Book	.25	.70	Reliable Poultry Remedies...	.25 .70
Kuhn's Egg Record	.25	.70	Ducks and Geese	.50 .80

SPECIAL OFFER:—American Swineherd. Largest Swine Paper in America. Circulation 56,000, price per year 50c, combined with American Poultry Journal for 60c.

AMERICAN POULTRY JOURNAL PUB. Co., Chicago, Ill.

Gentlemen:—I enclose \$....., for which please send me the following list of books and papers:

Name.....
Street or Rural Route,
Town..... State.....

A Visit to The Plant of J. C. Fishel & Son, Hope, Ind.

Owners of the Beautiful Pair of White Wyandottes Shown in the Colored Frontispiece of this Issue of American Poultry Journal.

A Description of White Wyandottes, the Variety Exclusively bred and Raised by Them.

Hope, Indiana, has become a great poultry center. Hope is a small town and the center of a wonderfully rich farming community near Indianapolis, but there was nothing to single it out and

benefit of this experience is coupled with the best stock to select from.

The foundation of this great flock of "World's Best" White Wyandottes was accumulated from different sources each of great value and includes the stock of the late Dr. D. C. Harrold of Elwood, Ind., and the Gardner and Duining stock which produced so many eastern prize winners and 150 of W. C. Pierce's best stock. Intelligent matings and close attention to the science of breeding for best results in both size and egg laying qualities as well as show points have made the Fishel Wyandottes, as their trade mark so cleverly put it, "The World's Best."

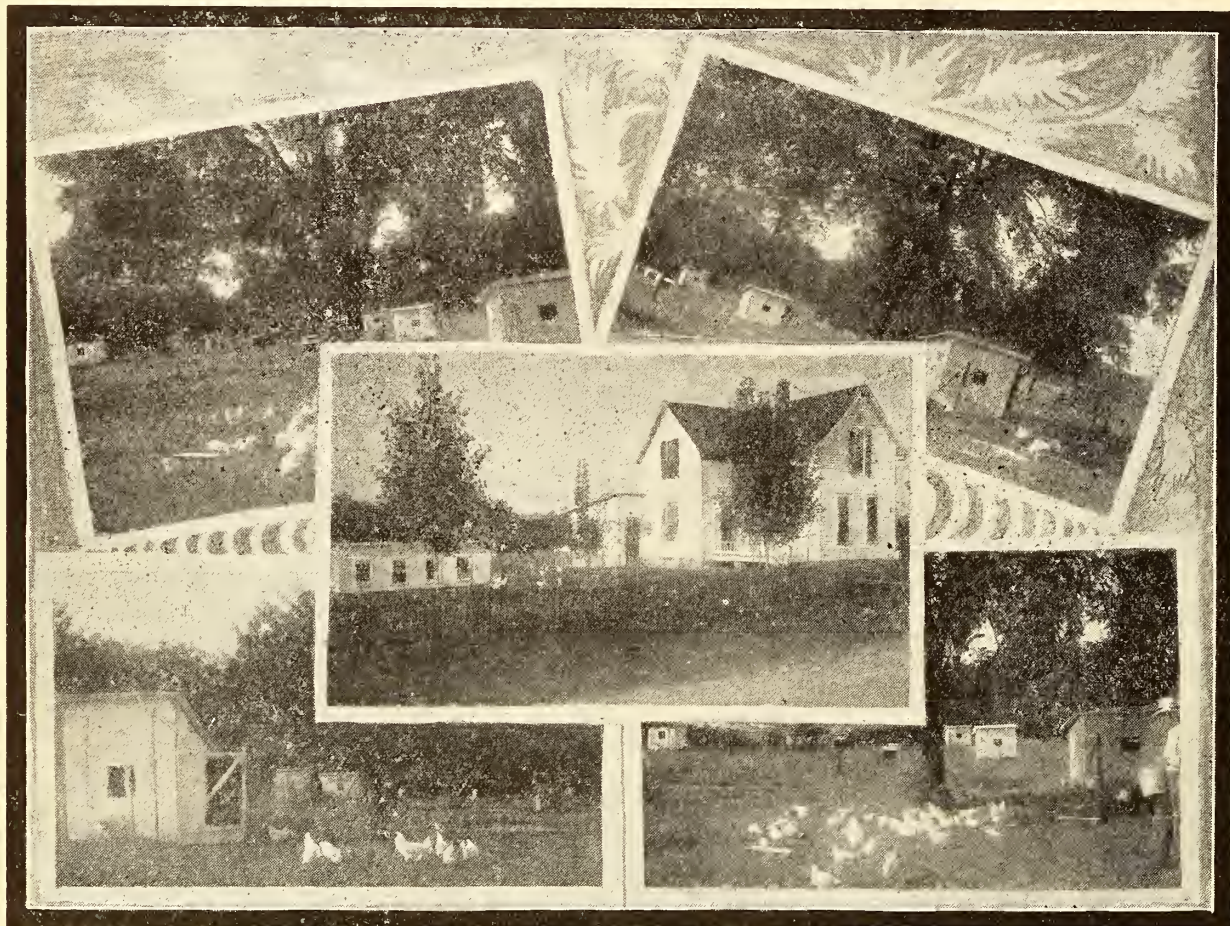
We found these gentlemen very pleasantly located in a large, comfortable house on one of the most beautiful streets of

J. C. Fishel & Son either as egg producers or birds for market purposes. Their compact, well rounded, broad, deep body and breast, beautiful golden and yellow legs and skin and their crowning point, the beautiful white plumage, which they are constantly bringing toward a condition of absolutely white, stay white, quality, places them in a class by themselves.

These gentlemen pay special attention to mating for great egg results as they have demonstrated by individual records of their birds placing them in the front rank of great egg producers.

J. C. FISHEL & SON'S POULTRY YARDS.

The photographic views of the White Wyandotte Poultry Farm of J. C. Fishel & Son as shown in the accompanying illustration gives but a faint idea of it. One of the splendid features of this plant



Photographic views of the White Wyandotte Poultry Farm of J. C. Fishel & Son, Hope, Indiana.

cause the name to be printed in capital letters on a railway map until its poultry fanciers began to make it famous. One of the concerns that has contributed largely to this fame is J. C. Fishel & Son. This firm consists of Mr. J. C. Fishel, who has for years been a breeder of good poultry and his son, Charles Fishel, who takes an active interest in this large and constantly increasing business.

The White Wyandotte poultry farm of J. C. Fishel is one of the big things in the poultry business and here can be found some of the best birds of this variety in the country. They are specialty breeders of White Wyandottes and their plant is equipped with the best of buildings with ample range and everything necessary to mature the stock in the best possible manner. Mr. J. C. Fishel has bred poultry for over twenty-five years and the

village of Hope, Ind. An inspection of the plant was a surprise and delight. There were well built buildings in which cleanliness and hygienic conditions were apparent, a splendid system of colony houses and ample room for all the range necessary to develop the hundreds of birds that are necessary to fill the orders that accumulate from all over the country.

The secret of the success of these gentlemen is very apparent to any one who would visit the plant. The painstaking care that is apparent with everything connected with this business enters into all its details from the care of the little chick to its development into a prize winner and the filling of orders that go to all parts of the world.

No strain of White Wyandottes can claim a stronger following than that of

are the magnificent trees that provide ample shade for the growing stock. The colony and brooder houses are scattered through this splendid grove and the space is divided up into yards and runs. There is no crowding and ample room is given each colony. The careful and methodical system of feeding is looked after every day with a view of developing the best egg laying qualities that can be produced under these most favorable conditions.

INDIVIDUAL SPECIMENS AND SHOW RECORDS.

The illustration of the White Wyandotte hen shown here of Snow Flake, a 96¼ point bird, is a specimen of their production. The colored frontispiece in this issue is a painting from life of a pair of birds from their yards and pictures the highest development of this well known and popular variety. These birds

were bred and raised and can be seen in their yards.

The birds in the colored picture are Edith E. and White Wonder, both winners of the most coveted prizes at the largest shows and are unquestionably without a peer. Both are absolutely white, stay white, which makes the original "World's

ments of the modern poultryman.

These people have special facilities for selling eggs for hatching. Urgent demands have been made upon them for eggs and they are compelled to furnish them. They ship from the same yards that they breed from themselves and the purchaser can rest assured that they get

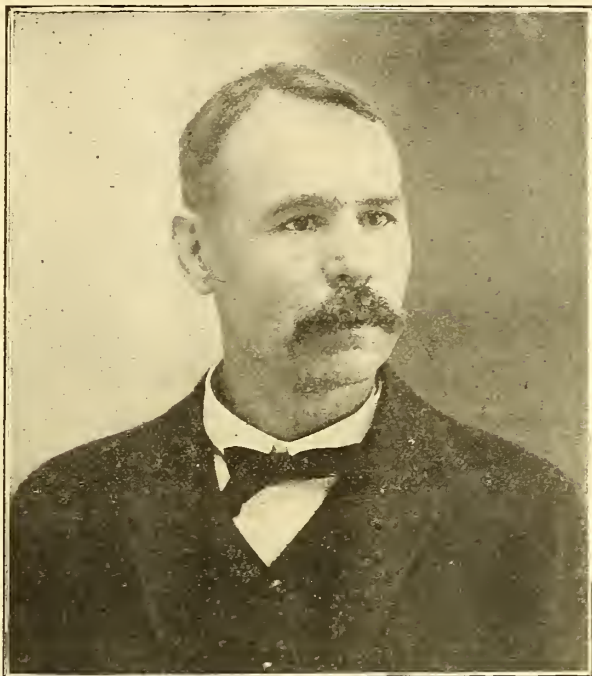
tain a better express rate. Great care is given in the shipping room to see that they are well fed and watered before starting on their journey and if it is a long journey feed is placed in the coops. Personal attention, which is one of the strong features of their business, is given to all shipments.

ORIGIN OF THE WHITE WYANDOTTE.

The origin of our Wyandottes is shrouded in mystery, says a writer in *Poultry Keeper*. Many claims have been made as to how and when the breed originated, but so far all claims have been proved groundless when the searchlight of investigation was turned on them. The best, in fact, the only reliable authority that I can obtain, gives New York state as their home when as far back as thirty years ago the Silver Wyandottes, or at least the breed from which our beautiful Silvers of today were bred were found among the farmers. No one seems to know just what crosses were used to produce them, but their general make-up at that time showed clearly that at least two of our oldest varieties, the Dark Brahmas and Silver Spangled Hamburgs entered largely in the combination.

That some other variety was used, was proved when the first two named varieties were bred together in an effort to secure new blood. The progeny of this Dark Brahma and Hamburg cross, while showing some of the Wyandotte characteristics, did not equal them in either shape or color. In fact, they were so inferior, that it was never considered wise to use them, and the Silvers as found then were bred in line with the best that could be obtained. And to this, perhaps, as much as anything else, we can give credit for the remarkably fine shape of this breed.

The line breeding that was practiced year after year fixed a type that for shape has no superior in our American fowls. This shape referred to was before all sorts of crosses were resorted



MR. J. C. FISHEL.

Best" so popular. They can offer the greatest continuous show record of any breeder of this variety in America. At the great Indianapolis Fanciers' show, they have won the leading prizes every year since 1898 and more prizes than all other breeders combined. This has always been conceded as one of the hottest Wyandotte shows in America. Not only at Indianapolis have they won honors, but at Chicago, Cleveland, St. Louis and most every show of note in the United States.

E. S. Comings, the great poultry authority, writing in *Poultry Tribune*, said: "In all varieties of fancy poultry, shape, that stamps an individuality as a breed, is a matter that should be carefully considered. Every breed has its form and that form should be studied by every progressive breeder. In no case is this more noticeable than in the Wyandotte and especially in the White Wyandotte family.

"At the Indiana State Fair, a gentleman while placing a White Wyandotte hen in its coop made this remark to the fanciers who crowded around him that 'there was the first prize hen, she would win out on her shape.' He was right, for when the ribbons were up this was where the blue was found and this exhibitor could justly be proud of this distinction, as it is not often that such a female is exhibited."

This bird was from the yards of the J. C. Fishel & Son and it was pretty near the ideal shape of a White Wyandotte hen with a close knit form, the head peculiarly Wyandotte, a short back and blocky shape so much desired.

Particular attention is given by these people to breeding for the short back and is regarded as one of the grandest achiev-

the best.

Great attention is given in the shipping room to the shipping of fowls. They use a light, strong crate, quite tight and made of light wood and in this way ob-



White Wyandotte hen. Snow Flake, 96¾ points. Bred and owned by J. C. Fishel & Son, Hope, Indiana.

to in order to get the big open centers in the Silver females. And fortunately the White sports, from which the most popular of all the Wyandotte family come, sported at a time when the Silvers were bred in their purity, and when their shape far excelled the winners of this variety at the present time.

While the origin of the Silvers will always remain in doubt, there is no guessing about the origin of the White variety. They were pure albinos, or white sports from the silvers, and came without resorting to any of the outside crosses, which were necessary to produce the other sub-varieties of this most popular of all American breeds. Strange as it may seem, the darkest strains of silver were the ones that sported the whitest chicks, and enough of them were found in different parts of the country to allow the breeders to secure all the new blood required to keep the size, vigor and correct shape from the start.

It is a fact that the White Wyandottes of today lead all varieties of this popular breed in snape, and in the majority of cases surpass them as layers and in quick growth. Their value as a market fowl surpasses that of any variety, and such careful attention has been given them by the big market breeders that they command the highest prices in the poultry market of the world. As layers of large, well-shaped, handsomely colored eggs, they have no superior, even among the non-sitters. As for broilers, they will finish to two pounds with as little feed and less care than any breed or variety.

As a fancy fowl they command as high prices as were ever paid for any breed, \$100 being no uncommon price for a single specimen, and more than twice this amount for some of the choicest exhibition specimens has been paid. One dollar each for eggs has been asked and received, and I can truthfully say that the cheapest birds I ever bought came from one dollar eggs. If you want the best you must pay for it. This rule holds good in every business and fancy poultry is no exception. You will find it is cheaper in the end to start right.

THE INCUBATOR MAN.

This heading will at once call to the minds of our readers M. M. Johnson and his Old Trusty Incubator. It is a great record that Johnson has made. No wonder he has become known as "the Incubator Man." He has done, perhaps, more for the poultry industry than any other one man. His great energy is shown in the fact that in five years, as manufacturer, he built an incubator business up from a few machines to a 20,000 annual output. Then, with his experience and his practical ideas and his thorough interest in poultry raising to back him, he severed his connection with the old concern and started a business all his own. He built a new factory, and

within twelve months he had sold 13,000 incubators and brooders. That is the Old Trusty, the only machine he has anything to do with now. Johnson has a common sense way of doing things that makes people like to trade with him. He handles poultry matters as though he loves and understands the business. There is no doubt that he does love and understand the business. This is made plain to anyone who reads his catalog. All poultry lovers find a kindred spirit in Johnson. Our readers will be the better for it if they will write to the man and get personally acquainted.

WILKESBARRE, PA.

The Poultry and Pet Stock Association of Wilkes-Barre, Pa., held a very successful show, Nov. 28 to Dec. 3. There was a splendid lot of birds on exhibition, and the success of this show was very gratifying to the management. Frank Johnson was President and John S. Ely, Secretary.



A VERY HAPPY FAMILY.

We present below a very happy family group—two little folks, a lot of chicks, a Gem Incubator, and Mr. and Mrs. Sweich of Cannon Falls, Minn.

Mrs. Sweich didn't believe in incubators. She preferred the motherly hen—when she was motherly, but that is sometimes uncertain? But Mr. Sweich believed in incubators for he had seen his neighbor's Gem Incubator steadily turn out strong, healthy chicks in large numbers, free from lice, and with so little trouble to the operator. The removable chick tray, the quick-acting regulator, and the ease with which the temperature and ventilation could be controlled satisfied him that he could do as well as his neighbor. He did. Here's his experience in his own words: "When

On page 833 of the December issue we, through error, stated that Wibur Bros., Petros, Tenn., won 7th cockerel and 6th pullet on S. C. White Leghorns at the St. Louis show. This should have been credited to E. E. Vanatta, Vandalia, Mo.

Owing to bad health N. L. Hutchinson will be unable to judge the Mississippi Poultry & Pet Stock show at Aberdeen, January 9-13, and the services of Judge Loring Brown of Smyrna, Georgia, have been secured. Premiums are open to the competition of the world, and the show will be conducted without fear or favor. Catalogue sent on request. Addison Brannin, Secy.

Indian games are especially noted as having an abundance of breast meat. But for some reason or other the bottom has been knocked out of the Indian Game boom.

Oatmeal is said to contain more nutriment than wheat or barley.

I first got my incubator my wife said, "No incubator for me." When I filled the incubator with 240 eggs she set three clucks. The incubator hatched 76 percent of the eggs, while her clucks hatched one chick apiece. Then she said: "No more clucks for me." From the second hatch with the incubator I got 94 percent, and the chicks are strong and healthy. I think the Gem is the best, for I know it hatches all right. I will send you a photograph of the incubator showing chicks and my family."

If you have not received a copy of their large, profusely illustrated catalogue for 1905, send at once to the Gem Incubator Co., Box B, Dayton, Ohio, mentioning the AMERICAN POULTRY JOURNAL and you will receive one by return mail. It's FREE. Write a postal today.

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, standard qualities have not been neglected. They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Exhibition and breeding stock for sale. Illustrated circular free.

No Better Anywhere
At Any Price.

Winners at Madison Square Garden, N. Y., 1903-1904.

H. J. BLANCHARD

Box 997, Groton, N. Y.

A VISIT TO THE MAY R. POULTRY PLANT, CONNERSVILLE, IND.

The stock raised on May R. Poultry plant and the proprietor, Mr. D. T. Roots, are so well known to the readers of AMERICAN POULTRY JOURNAL that it seems hardly necessary to more than mention them here, but a general description of the plant will probably be of interest to our readers.

When we were instructed by the editor of AMERICAN POULTRY JOURNAL to visit this farm for the purpose of telling the many thousands of readers of the JOURNAL what kind of establishment it was, we expected to have the pleasure of seeing a really fine poultry plant as it is so well and favorably known throughout the country. But to say that we were surprised at its great size and also the modern and scientific methods used in raising fancy poultry would be putting it mildly.

Mr. Roots, the proprietor, conducted us over the plant, which took the greater part of an afternoon, and a better, more modern and thoroughly equipped poultry plant, with a finer stock of birds, it has not been our pleasure to see for some time. The plant proper covers about 25 acres and is situated on a farm of 300 acres, where all the grain and food for the fowls is raised. The plant consists of one building, 20 feet wide and 300 feet long, with sides and ends made of cement blocks. Also three frame buildings, two of them being 20 feet wide by 160 feet long and the other one 20 feet wide by 150 feet long. Also one brick building 30 feet wide by 150 feet long and a number of breeding buildings, colony houses, feed houses, etc. The size will be better understood when we say that there are over 18,000 square feet under roof.

No one can have an idea of the amount of work required to conduct a plant of this size unless they have had the experience. The care of thousands of fowls the answering of letters, which often number 150 in a day, the selecting of birds for breeding and shipping, the mating of the yards, the incubating and raising of the chicks, etc.

The brick house mentioned above is generally used as a conditioning house. This will give our readers some idea of the magnitude of this plant and the extent of the business done by Mr. Roots, when he uses a house of this size in which to prepare birds for the show room and for shipment to customers.

The May R. Poultry Plant is conducted by a gentleman who is not afraid of work, and with his overalls on may be seen working among the fowls day after day, and the results of his labor is seen at a glance when you visit the plant. Everything is neat and clean for Mr. Roots goes on the theory that you cannot be successful in the poultry business unless you attend to the details, and "have a place for everything and everything in its place."

The Roots' famous strain of White Plymouth Rocks, which has created such a sensation in the poultry world, is the result of many years of scientific mating by Mr. Roots, and is not the offspring of any one particular strain, but a combination of all the good qualities of other strains. Mr. Roots has, by this method, produced a strain that stands out like a bright morning star, capturing prizes and winning laurels in the show room that has surprised and saddened many of the old time breeders. One thing we noticed in particular was the uniformity in all his stock, which proves that the strain breeds true. In looking over the 2,500 birds on the plant we failed to see an

off colored one among the whole lot; even the old birds were as white as the new driven snow. The color question with Mr. Roots is decidedly a white one. Nothing else goes at the May R. Poultry Plant. In fact the Roots' strain is famous for its beautiful snow white color and it deserves to be. Mr. Roots has devoted a great deal of attention to this very important point, and judging from appearance, has been very successful with it.

Mr. Roots has a record in the show room that he claims is not equaled by any other breeder of White Plymouth Rocks, winning during the last few years at Cincinnati, Pan-American, Cleveland, Chicago 1903, Indianapolis, Hagerstown, World's Fair St. Louis and Chicago Show Dec. 1904. At this show he won over half the prizes offered in the White Rock Class and every special, including the \$100 and \$25 cups.

He is now engaged in mating up his breeding yards. He will have 20 yards each headed by one of his prize winning males, and in addition will mate up 80 yards to supply his trade for incubator eggs. He has just issued his regular catalogue for this year. It is full of information that will be of value to every breeder, it tells how to score white rocks (written by Theo. Hewes). It gives symptoms, cause and cure for the most common diseases of poultry, and tells how to mate and care for them. It has a number of cuts of his prize winners, and in short it is just full of good things.

Mr. Roots will be pleased to send it to anyone on receipt of stamp. His egg catalogue will be out by January 1st, and it describes his mating, and gives cuts of the male birds at the head of each yard. He will be very glad to send it to any one who will write their address on a postcard.

and What It Will Do

OFFER NO. 1

American Poultry Journal, one year, 48 to 120 pages. During the year several full page colored pictures of fowls will be published.

Why Poultry Pays and How to Make it Pay. Revised and enlarged, size 9x12, 60 pages, illustrated. Important to beginners.

A. P. J. Hand Book of Useful Poultry Information.

This is a new book we have just published, 32 pages, 4x8 inches in size; has 4 blank pages for memorandums. It contains in a brief form most everything a poultryman wants to know.

"Yard of Chicks."

A picture in 12 colors, a yard long, on finest heavy copper-plate paper, of 25 chicks in a running contest for a nip at a captive butterfly. A work of art suitable for framing in any home.

All For \$1.00

OFFER NO. 2

American Poultry Journal, one year.....	Value, \$0.50
How to Build Poultry Houses.....	.. .50
Farm and Home, one year.....	.. .50
All for \$1.00. Total value, \$1.50	

OFFER NO. 3

American Poultry Journal, one year.....	Value, \$0.50
Farm and Home, one year.....	.. .50
Any 50 cent Poultry Paper.....	.. .50
All for \$1.00. Total value, \$1.50	

OFFER NO. 4

American Poultry Journal, one year.....	Value, \$0.50
Any two other 50 cent Poultry Journals.....	.. 1.00
All for \$1.00. Total value, \$1.50	

These offers are not only to new subscribers, but old subscribers. A grand chance for renewing subscriptions. Money for you. Subscribers for us. Show this to your friends.

"Why Poultry Pays and How to Make it Pay"

AND

"How to Build Poultry Houses"

are the latest and best books out on these subjects. Published by American Poultry Journal, Chicago.

American Poultry Journal

is the oldest poultry paper in the world.



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this corner off and mail it today with the correct amount to

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CHICAGO, ILL.

Date, _____ 190

Please send me offer No. _____

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Address all letters to AMERICAN POULTRY JOURNAL, 325 Dearborn Street, Chicago, Ill.

ORPINGTONS

BUFF, BLACK and White, winners of 37 first and other premiums at Chicago and Cincinnati. Eggs in season. H. A. DEMAND, Oxford, Ohio.

1-1

S. C. W. LEGHORNS

Good young stock for sale. Write for prices. We can please you. A few good Orpingtons left yet.

C. W. & H. E. HOSMER - Union City, Mich.

BUFF WYANDOTTES

With size, color and Wyandotte shape.

BARRED ROCKS

Bradley Bros. and King strains. We have a large stock, containing many high class individuals, and an earnest desire to please a customer. Circular.

G. R. MORRIS, - - Lanark, Ill.

Northwestern Poultry Farm

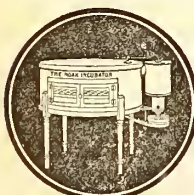
World's leading strains of fancy poultry. Eggs \$1.50 per 15; \$3 per 100. Order early. If we sell eggs as we have poultry in past 60 days we will do a handsome business.

L. B. Jennings & Son, Polk, Ia.

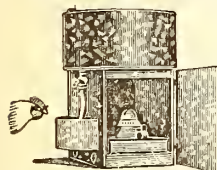
MASON'S BUFF ROCKS

No better in the world. World's Fair record proves it. Stock for sale. Eggs after February 1st.

H. P. MASON, - - Fayette, Mo.

**The HOAK**

Round Incubator hatches where others fail. Where quality at low prices count. No cold corners. Easiest regulated. Lasts longest. Requires least fuel and attention. Pure Air Brooders. On trial. Free catalogue. H. E. Hoak, Box B, Ligonier, Ind.

**Hot and Cold Water Chicken Fountain.**

Saves time and labor. Supplies fowls with pure, fresh, cool water the year round. Keeps hen house warm in cold weather and makes the hens lay. Booklet, price list and testimonials free. AUTOMATIC HATCHING CO., Northville, Mich.

The A. H. Co.

HANSEN'S Rhode Island Reds

The world's champion prize winners and egg producers. Won more cash prizes and more special prizes at the World's Fair than any others exhibited. Won silver cups at Chicago and Warsaw and all first prizes on S. C. at Chicago, Indianapolis, Louisville, Warsaw and Hamilton, O. The home of Red Cloud, the highest scoring male bird in America. Eggs at \$3 per 15.

C. N. HANSEN. Warsaw, Ky.
Vice-Pres. American R. I. Red Club.**Asthma****CURED TO STAY CURED.**

Attacks stopped permanently. Health completely restored. No return of symptoms after treatment ceases. Throw away "Reliefs." Be cured in the right way. Good appetite, sleep well, do anything, go anywhere. 58,000 patients. BOOK 58¢ FREE.

P. Harold Hayes, Buffalo, N. Y.

THE BIG POULTRY SHOW.

The history of the world is, that the tide of emigration and the centers of active business industry are continually moving, usually Westward. As fast as one locality becomes thoroughly populated and its natural resources developed, the tide sets toward another less developed locality. This is also wonderfully true of our own industry. The poultry industry is no longer an eastern monopoly. The great and glorious "Other Sections" of this, the grandest of all God's countries have acquired unto themselves a considerable amount of good poultry, a fact thoroughly demonstrated at the recent World's Fair. This being the case, there is a very large and potent reason why there should be a clearing house for the world's best poultry located in an accessible western city. One of the best poultry show rooms in the world is located in the state of Missouri. A hall in which the Boer War Spectacle, recently at the World's Fair, with its 300 horses and many men, was given complete; a hall that receives its light from every quarter of the firmament, thus securing equal and even light on all locations in the show room, giving the exhibitors all an equal chance, no matter what the location of their birds. A hall that will furnish showing room for 20,000 birds and still leave room for supply exhibits and seats in its arena balcony. A hall that is located in one of the world's great railroad centers, thus assuring exhibitors adequate transportation facilities at lowest freight and express rates. A hall located in a thriving, hustling, up-to-snuff city that has ever shown itself able and willing to properly house, entertain and care for all its visitors. In fact, Convention Hall, Kansas City, Mo., is the natural location for a great international poultry show. The faithful breeders of Kansas City and its immediate vicinity have a show organization, and they have been conducting a successful show each season at Kansas City. They believe that this show should be enlarged and strengthened until it becomes of international importance. Their present organization is "The Kansas City Fanciers' Association, Incorporated;" a stock company incorporated for \$2,000, divided into 2,000 shares with a par value of \$1 each. No one man or clique holds a controlling interest in this association, and its officers and directors do not receive any monetary compensation for their services. It was organized and is managed for the sole purpose of advancing the interest of and in poultry in this central western territory. This organization desires to number among its stockholders every breeder and dealer in poultry products in this territory and to that end, would ask you all to write to H. H. Borgmann, President, Kansas City, Mo., for any information desired. The Convention Hall show is not to be considered as antagonistic to or in competition with any other show in this vast territory, but should be looked upon as the Great Yearly gathering of all that is best in the poultry world. A show that you can attend, feeling sure that you will there find all the most improved and perfect specimens of every thing that in any way pertains to the poultry industry.

The breeders and others interested in poultry and poultry supplies are the ones who make a poultry show successful. If all of you in this vast territory will make Convention Hall poultry show your

show, identify yourself with the organization, talk show to your neighbors and acquaintances; get your own stuff ready for this show; prod up your slower neighbor or acquaintance, and all of you send what you have and come to the show yourself, where practical, you will make Convention Hall the home of the world's greatest poultry show. Make this show the social event of the year in poultrydom. Make Convention Hall the world's greatest clearing house for good poultry. Make a premium won there worth its weight in gold, as showing to the world, that you have the best that grows in your particular breed, class or variety.

The next Convention Hall poultry show will be held January 24 to 30, 1905. Entry fees, singles 25c; pens \$2; coops, feed and care free.

Write P. H. DePree, secretary, 932 Jackson ave., Kansas City, Mo., for premium list and entry blanks.

Fraternalty yours,

FRANCIS E. BATES,
Press Representative, Convention Hall Poultry Show.

W. R. Wooden of Battle Creek has recently purchased from Hon. George W. Hamm his full strain of Buff Plymouth Rocks.

Mr. Wooden has lately been purchasing an occasional choice Buff Rock with the view of adding this popular variety to his farm, and in fortunately obtaining the flock of such an old established breeder as Mr. Hamm he has placed himself where he can compete with all strong breeders of the variety.

The many years successful experience which Mr. Wooden has had with Buff Wyandottes aptly fits him for obtaining the best of success with the Rocks.

His ample facilities enable him to care for his large flocks of Buff Wyandottes, Buff Rocks and Indian Runner Ducks in the most approved and up-to-date manner.

Attention is called to his ad in another column under the heading "Emmet Poultry Farm."

Mr. Wooden states that his many years' experience has taught him that there is more profit in a limited number of extra fine specimens than in a large flock containing indifferent stock, and as proof of quality invites a visit to his farm.

At the Chicago show, Dec. 1904, R. E. Haeger & Co., of Algonquin, Ill., won the following prizes: 1st, 2d and 5th cocks; 1st and 2d hens; 1st and 2d cockerels, (tie 1st) 2d and 5th pullets; 1st breeding pen; silver cup for largest and best display of Rocks. This great winning was made in a class of 125 Barred Plymouth Rocks. The above winnings, together with their long list made during the past twelve years proves without a doubt that they know how to produce the good ones. This firm makes a specialty of this variety and their stock and the name of Haeger is too well known to the readers of AMERICAN POULTRY JOURNAL to need any further mention by us. They have in course of construction a very handsome catalogue and any one who is interested in this beautiful and useful variety of fowl should write to R. S. Haeger & Co., Algonquin, Ill., for one and mention AMERICAN POULTRY JOURNAL.

Green bone contains meat, blood, gristle, oil and mineral matter in soluble condition.

IF WE CAN ONLY CONVINCE YOU.



The idea of building your own incubator is a new one to most people, and the greatest trouble we find is convincing our prospective customers that it is an easy and simple matter. We are the originators and the first to offer complete, systematic plans for building trustworthy, modern incubators and brooders, containing all of the late improved fixtures. But when we once convince an inquirer and he builds a machine, we never fail to have in him a strong supporter of our proposition. Wherever our machines have been built we have never failed to sell several more in that locality. For example: At the World's Fair at St. Louis a gentleman entered our exhibit, and after carefully looking over the machines in operation, stated that he had been interested in our proposition for some time, had seen our advertising, had written us and received our catalogue, etc., which he admitted were very convincing; but he could not convince himself that he could build an incubator. Several of his friends, he said, were in the same boat. After thoroughly explaining our entire proposition, and showing him a machine open displaying all the parts, I convinced him in five minutes, and sold him five sets of fixtures. He said he was satisfied that his boy, 10 years old, could build

the machine from our instructions, without the least trouble.

Now, we have tried in our ads this year to make them convincing by sincere statements of fact. It is easy to build your own incubator. Try it and prove it yourself.

Our catalogue, "How to Make and Save Money with Incubators and Brooders," explains everything. It is also full of valuable information for all interested in poultry, and may be the cause of saving you many dollars. Remember it is free for the asking. Write for one today, address your letter to Channon, Snow & Co., Dept. C., Quincy, Ill., and your request will be attended to immediately.

Yours very truly,
HARRY A. SNOW.

PAYNE'S ALFALFA POULTRY FOODS.

Mr. G. H. Payne is known as "Payne the Alfalfa Man" all over the West. He is said to be one of the largest raisers of alfalfa in Nebraska, and has made the subject of alfalfa a study for several years and has kept pace with all the modern ideas and developments in feeding.

Clover Meal has long been known as one of the best poultry foods, but Alfalfa Meal is rapidly taking its place, as it analyzes higher in protein and is a much greener food than clover meal.

Alfalfa furnishes the phosphate and mineral matter to make bone, muscle and eggs, and in addition is a great appetizer.

In Payne's pure Alfalfa Meal you have a very valuable food to mix with your grain and other feeds; and in Payne's Alfalfa Poultry Food you have a complete properly balanced ration of everything needed to make chickens grow and hens lay.

We understand the sale of Payne's Alfalfa Foods have been far in excess of their ex-

pectations and we predict a great sale for these products, as they have excellent merits. See their advertisement in this issue and send a trial order, and ask for information, to the Alfalfa Meal Company at Omaha, Neb.

S. D. Lapham, of Dearborn, Mich., writes that he has now one of the finest flocks of Buff Plymouth Rocks in Michigan, having bought the entire flock, supplies and good will of R. G. Collin, of Mt. Pleasant, Mich., including all of his World's Fair winners and many other noted winners. This, together with his own winners, gives him one of the largest and finest flocks in Michigan of over 600 Buff Plymouth Rocks. Work will begin at once on new buildings and it is his intention to have one of the finest and best equipped poultry plants in the country. He is shipping birds to all sides of the earth and is well pleased with the good work AMERICAN POULTRY JOURNAL has done. Mr. Lapham tells all about his stock in his ad in this issue.

Chas. Benington, of West Burlington, N. Y., whose Royal Buff Orpingtons have become noted as winners both for himself and his customers, has some fine young stock for sale, especially cockerels, and in addition to his own strain has made three importations during the past season; also has recently purchased an 80 acre farm which he intends to devote to Buff Orpingtons exclusively, thus being better than ever able to supply the needs of customers. We heartily recommend him and his stock to every one.

Mrs. J. H. Orebaugh, Batavia, Ohio, made a sale of stock to Geo. S. Krucker of Hamilton, Ohio, and he writes that he took at their recent poultry show, 1st and 2nd pullet, 2nd cockerel and 1st pen. He was delighted with his success for his own White Rocks were a little late and did not weigh up to Standard. The first two pullets Mrs. Orebaugh sold him scored 95½ and 95¼ taking 1st and 2nd prize. The last pullet she sold him scored 93. The birds were scored by A. B. Shaner who declared he never had seen finer White Rocks.



BUFF WYANDOTTES

Lead as Market
Fowl and Egg
Producer.



Excel in beauty
and as Money
Makers



Ackley & Page Strain Is
BEST

Chicago, January, 1902, 1st cockerel, 5th pullet, 4th pen, two specials.
Chicago, January, 1903, 2d pullet, 4th hen, 4th cock, 4th cockerel, 3d pen, five specials.
Indianapolis, February, 1903, 1st cock, 1st cockerel, 1st, 2d hen, 1st, 2d pullet, 1st pen, Gazette and two other specials.
Chicago, December, 1903, 1st cock, 1st, 3d, 4th hen, 1st pen, \$25 cup display.
Chicago, December, 1904, 1st, 2d, 3d, 4th cock; 1st, 2d, 3d, 4th, 5th hen; 1st, 2d, 3d cockerel; 1st, 2d, 4th pullet, 1st pen; cap for display and all specials.

Best Display, Chicago, December, 1903

Ackley & Page Strain Is
BEST

We raise our prize winners. We raise more Buff Wyandottes than any two breeders combined. We claim our strain is BEST, and prove this statement by competition at the largest shows. It costs no more to come to us and get stock that will benefit you than to purchase the "just as good."

World's Greatest Exhibition, St. Louis, 1904



On eight entries we won 1st cock, 2d cock, 3d hen, 6th cockerel, 6th pen, an unequalled winning and a remarkable victory over all competitors in the best class of Buff Wyandottes ever shown. More and better stock for sale than ever before. The Buff Wyandottes are the best general purpose breed; best layers, mature quickly and best to look at. Our prices are reasonable and our stock is best. We solicit inquiries. Catalogue free. We please or return your money. Please write us to-day.

Largest Breeders of Buff Wyandottes in the World

ACKLEY & PAGE

Box B - - - Woodstock, Ill.

See Ad on Back Cover Page



1st Hen, Chicago, Dec. '03

1st Cock, Chicago, Dec. '03

...WHY NOT...

bind up your last year's American Poultry Journal in one volume and have a handy, durable and valuable work on poultry. Price, full cloth, 75c; one-half morocco, \$1.25.

The C. J. Farwell Co., 61 Plymouth Pl., Chicago.

...PARLOR POULTRY YARDS...

R. C. B. LEGHORNS GOLDEN WYANDOTTES
Bred from New York winners. Some choice R. C. B. Leghorns for sale from \$2 up. A limited number of choice pullets and yearling hens, \$1 each.
R. C. TABOR - Worcester, N. Y.

Booking Orders for Eggs

From prize winning Barred Plymouth Rocks, Light Brahmas, \$2 per 15; Bronze Turkey, \$5 per 10. Free circular.

(E.O. D. Anderson, R. R. 5, Rushville, Ind.)

INCUBATOR EGGS

From large, well mated healthy birds. Pure bred White Plymouth Rocks, pure bred White Wyandottes, pure bred S. C. W. Leghorns at \$4 per 100. Also eggs from our fancy mated pens for hatching at \$2.00 for 15.

THE EDGAR POULTRY AND EGG FARM CO., Richwood, O.

Light Brahmas

50 fine vigorous cockerels; quality and price to fit your purse. Can spare a limited number of hens and pullets. Write, stating wants.

JNO. F. WOODS, UTILITY FARM, Route 19, Owensville, Ind.

S. C. BLACK MINORCAS

—AND—

R. C. BUFF ORPINGTONS

World's Fair prize winners. Stock for sale. Eggs \$2 to \$5 per sitting. Incubator eggs, \$5 to \$10 per 100. Write for circular.

ROSEDALE POULTRY FARM, G. M. SHOOK, Joplin, Mo.

**—Clover Leaf Poultry Yards—
White Wyandottes**

Bred to win. Bred to lay. Have seventy fine pullets for sale. Some laying. You want them? Then write

E. C. Flemming, E. Aurora, N. Y.

**TRADE F. P. C. MARK
CHICK MANNA**

LITTLE CHICKS AND TURKEYS
First Ten Days' Food.

Introduced 1884. Specially prepared for their tender condition. "They not only like it, but thrive wonderfully on it."—M. K. Boyer. Send for booklet. Originated and prepared only by

F. P. CASSEL, LANSDALE, P. A.

Mfr. of the F. P. C. Success Chick Food, and other F. P. C. preparations for poultry.

Success With Poultry

is a book on successful and profitable poultry raising, containing valuable information for persons engaged in any branch of the poultry business. It has 112 large pages full of information, also illustrations showing how to build poultry houses and coops, which is worth many dollars to the person engaged in poultry raising. It also contains chapters telling how to raise all breeds of chickens, also chapters on raising turkeys, ducks and geese. It is one of the most comprehensive books ever written, and the person who has it will never regret the money spent for it. Thousands of people have made a success of the poultry business on account of this book.

WE WILL GIVE YOU THIS BOOK

We will give you this valuable book and send The Farmers' Record 52 weeks for \$1, or send us four subscribers at our special club price of 25c each.

The Farmers' Record 5 Montgomery Bldg., Milwaukee, Wis.

Carver & Avey, Columbia City, Ind., won at the St. Louis show, Oct. 23 to Nov. 5, on Partridge Wyandottes as follows: First cock, first pen and second pullet on three entries.

THE CHRISTMAS AMERICAN BOY.

The American Boy for Christmas will delight the boy's heart from its front cover design, representing a young hunter, his dog, gun and game, clear through to the last page. It contains 79 illustrations to illustrate 91 different stories, leading articles and items of interest to boys. As especially appropriate to the Christmas season are: "Father Lanute's Prize," by Lillian V. Lambert; "Kersey," by Evelyn M. Wood Lovejoy; "Uncle Sam's Santa Claus" and "Distributing Christmas Presents in the Navy." Other stories and leading articles are "The Pathway to Success," being an interview with ex-Senator T. W. Palmer, of Detroit; "A Message to American Boys," by Governor Montague, of Virginia; the first two chapters of Kirk Munroe's new story, "For the Mikado"; "James McGregor Billings' Moose Hunt," by Curwood; "True Heroism—A Talk With Boys," being the last contribution from the pen of the late G. A. Henty; "Basket Ball," by George T. Hepbron, Secretary Amateur Athletic Basket Ball Committee; "Uncle Sam's New Pupils," describing how Uncle Sam is teaching young Filipinos in this country; "Skating," by George D. Phillips, winner of twenty-two American championships for speed and figure skating; "An Elephant Hunt that Failed"; "The Champion of the Lake," by William Heyliger; number two of the "Among the Birds" series; "General Nathaniel Greene," a biography by Marianne G. Spratley; "The Franks of Jimmy Lane," a humorous story by Jonas Juton; "A Feline Fury," an animal story by Clarence Hawkes; "Prisoners of the Tide," a sea story; further chapters of "My Four Years at West Point," by a graduate; "Playing Push-Ball," by W. Frank McClure; installment number five of "Clever Work with the Pocket Knife," by John L. Dougherty, and in addition smaller articles too numerous to mention. All the regular departments, namely: Stamps, Coins and Curios, Amateur Journalism, Money Making, Puzzles, The Order of The American Boy, and Boys' Books Reviewed, are included. \$1.00 a year. The Sprague Publishing Company, Detroit, Mich. The thousands of friends which "Wee Macgregor" has made in America will want to read Mr. Bell's new story in the December Woman's Home Companion, "Wee Macgregor Goes to the Sunday-School Soiree." It is an inimitable bit of humor.

THE CHRISTMAS DELINEATOR.

The December Delineator, with its message of good cheer and helpfulness, will be welcomed in every home. The fashion pages are unusually attractive, illustrating and describing the very latest modes in a way to make their construction during the busy festive season a pleasure instead of a task, and the literary and pictorial features are of rare excellence. A selection of Love Songs from the Wagner Operas, rendered into English by Richard de Gallienne and beautifully illustrated in colors by J. C. Leyendecker, occupies a prominent place, and a chapter in the Composers' Series, relating the Romance of Wagner and Cosima, is an interesting supplement to the lyrics. A very clever paper entitled "The Court Circles of the Republic," describes some unique phases of Washington social life is from an unnamed contributor, who is said to write from the inner circles of society. There are short stories from the pens of F. Hopkinson Smith, Robert Grant, Alice Brown, Mary Stewart Cutting and Elmore Elliott Peake, and such interesting writers as Julia Magruder, L. Frank Baum, and Grace MacGowan Cook hold the attention of the children. Many Christmas suggestions are given in needlework and the Cookery pages are redolent of the Christmas feast. In addition, there are the regular departments of the magazine, with many special articles on topics relating to woman's interests within and without the home.

MUSIC AS A STIMULANT.

The experiments of Ginet and Conrtier were conducted with a view to determining the effect of music upon breathing and upon the action of the heart, writes Gustav Kobbe in Good Housekeeping. It was found that lively major chords, without relation to melody, quickened breathing. Melodies, grave or gay, caused rapid breathing. The respiration approximating its time to that of the music. Rallentando and diminuendo effects made the breath come more slowly. Single notes without tune accelerated the heart's action, but melodies quickened it still more, operative pieces resulting in the quickest action. These experiments would seem to show conclusively the stimulative effect of music.

THE YOUTH'S COMPANION IN 1905.

It is impossible even to summarize in a single paragraph the many and varied attractions which The Youth's Companion announces for the coming year.

A series of articles planned to interest especially the forty-five millions of Americans who look directly to the soil for their subsistence, will treat of "New Fields for Young Farmers," "The Sanitation of the Farm," "The Future of American Cotton," "How Women Make Money on the Farm," etc.

Seven serial stories and 250 short stories by the most talented and popular American writers of fiction will form part of the contents of the new volume for 1905.

Full Illustrated Announcement describing the

principal features of The Companion's new volume for 1905 will be sent with sample copies of the paper to any address free.

The new subscriber who sends \$1.75 now for a year's subscription to The Companion receives free all the issues of The Companion for the remaining weeks of 1904, also The Companion "Carnations" Calendar for 1905, lithographed in twelve colors and gold.

FOR THE YOUNG HOUSEWIFE.

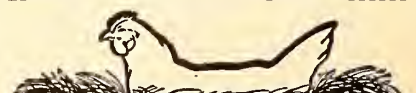
The young housekeeper will be interested in a series of papers on "The Making of a Housewife," beginning in the January number of The Delineator, in which useful housewifely knowledge is embodied in such entertaining form that one is likely to forget that she is studying domestic matters. Other topics in the same number, that will appeal to the housekeeper, are illustrated center-pieces for New Year's Day and beverages for the holidays attractively served, cakes for New Year's gifts, also illustrated, and a number of recipes for novel refreshments for the holiday season.

The Christmas number of Scribner's Magazine is unusually beautiful in its pictures, both in color and black-and-white, and is filled with sketches and short stories that are not only amusing and entertaining, but are good literature and full of character, as well as adapted to the Christmas season. Specially noteworthy art features are the colored frontispiece, by Maxfield Parrish; the illustrations in color for some "Scenes from the old Ballads," by Beatrice Stevens; the drawings, by Walter Appleton Clark, showing Christmas scenes in an old French village; a drawing of a mother and child in colors by Sarah Stilwell, accompanying a poem by E. S. Martin, and the beautiful colored cover by David Ericson.

A valuable chapter in the history of evolution is contributed to the January Century by Henry Fairfield Osborn, Da Costa Professor of Zoology in Columbia University, and Curator in the American Museum of Natural History, dealing with Ichthyosaurs. Almost simultaneous discoveries in America, in Central Wyoming, and Europe, illustrating with remarkable clearness the evolution of fitness, influenced Mr. Osborn to write of a period in natural history which he finds of singular fascination. The illustrations, it is said, will be of special interest.

Dawson Bros., Franksville, Wis., write: "At the Wisconsin State Fair we won the following premiums on poultry: First on Toulouse gander and goose; first and second on African gander and goose; second on White China gander and goose; second on Brown China gander and goose; second on Embden gander and goose; first and second on Pekin ducks; first and second on Indian Runner ducks; first on Muscovy ducks; second on Aylesbury and Cayuga ducks; second on Pea fowls; first on Buff Leghorns. Sharpe Butterfield was the judge. We also have a fine lot of stock bred from winners at the Pan-American, Kenosha, Chicago, Springfield and Milwaukee poultry shows.

A COPY OF **Vick's** 1905
Garden and Floral Guide
Mailed **FREE** on Request
JAMES VICK'S SONS, 103 MAIN ST., ROCHESTER, N.Y.



Plenty of Eggs

Your hens will lay in winter, if you give them the right food—the right substitutes for worms, insects and grass, and the right exercise.

"Vigor" Beef Scrap
"Vigor" Scratch Food
"Vigor" Poultry Food

Send for our free Illustrated Poultry Supply Book, which tells what up-to-date poultry raisers need.

Cyphers' Incubators
Cyphers' Brooders
Cyphers' Supplies

JOHNSON & STOKES, Dept. X
217-219 Market Street Philadelphia

BOYER'S BREVITY SYMPOSIUM.

A Little Egg Gossip—About Broilers and Roasters—Turkey Culture— The Market Duck—The Feed- ing Question—Notes in Passing.

Written by M. K. Boyer, Associate Editor A. P. J.

A LITTLE EGG GOSSIP.

A great deal of deception is daily practiced in the egg business. Be above dishonest practices. Honesty will win every time.

Is there any food product of more importance to the community in general than the production of the hen? asks J. E. Beyer.

Eggs are injured by washing. It gives them a frailer shell. Washed eggs will not keep so well, neither will they hatch so well. Wipe off the dirt with a moist woolen rag, but no more.

Beware of the hidden nest. Gather the eggs several times a day. The farmer comes across a hidden nest in the shed, or in the woods. He finds a dozen eggs, more or less, in it. How can he guarantee the age of those eggs. But, generally, they all go into the fresh egg market. The result is complaint about rotten eggs. Never sell an egg you cannot guarantee.

ABOUT BROILERS AND ROASTERS.

Adopt a trade mark. It will avoid deception, and it cannot be counterfeited.

Small roasting fowls are best in demand. There are more small families that buy chicken than large ones.

Ship the day you kill. Do not hold over your dressed birds longer than is actually necessary. The sooner they reach the kitchen the better will be their quality.

It is conceded that the best quality of meat on a fowl is found on the breast, says Prairie Farmer. Hence, all who seek for first-class table fowls should select the breeds which have the greatest amount of meat on the breast.

Tag every carcass. It is an excellent advertisement. If you are selling a prime article the consumer wants to know who you are, so that they may be able to call for your goods.

Common stock do not as a rule make broilers or roasters. Individual birds may be all well enough, but as a flock they will not give a uniform and attractive appearance.

TURKEY CULTURE.

Large birds realize more per pound in proportion than do the smaller ones.

After turkeys are about eight weeks old, they do better if allowed to sleep out in the open, with no covering over them, than if put in a warm, close house.

Unless the stock birds are large, it is

regulate the commencement of their laying by the feast of Candlemas, so turkeys always lay their first eggs on Good Friday, regardless of the movability of the fast. But it is generally the case that they begin laying from March 15 to the end of the month.

THE MARKET DUCK.

The duck seldom becomes broody.

Ducks love to stay out all night in their runs.

Ducks should never be shut up in a close building.

Pekins are good breeders even at four years of age.

Cleanliness is an important factor in the duck house as in the hen house.

Have the drinking trough deep, so the



Shetland Ponies raised on the Farm of Geo. A. Heyl, Washington, Ill.

almost impossible to get the young ones to a good weight. It is best to purchase the largest, and finest stock obtainable to breed from.

Turkeys like to roost as high as possible in the house; therefore, the perches should be on a level to prevent them breathing foul air, as they are more subject to roup and cold than any other fowls.

Old henwives assure us that as geese

As a rule the largest ducks are not the best breeders.

duck can get its head in the water. Neglect of this will result in sore eyes.

Duck eggs for hatching should not be kept over one week. The fresher the better.

The first importation of Pekin ducks to this country from China, was made by J. E. Palmer, of Stonington, Conn., in the spring of 1873.

Something
New

Strathmann's Poultry Yard Seeder



A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in 1 year. Its weight is 30 lbs., hgt. 9 ins., width, 18 ins., sows two rows 10 ins. apart and cultivates your ground. Will do what all poultrymen and journals say. Keep your chickens scratching. For sale by all leading poultry supply houses. Send for circular. No gearing, no levers; nothing to get out of order. Any boy or girl can operate same.

Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.



To Distribute
Grain and Seeds
For Scratching
Fowls.

ARNOLD'S BUFF LECHORNS

CHAMPIONS OF THE WORLD

This is what the Jurors decided AT THE ST. LOUIS UNIVERSAL EXPOSITION. We won the champion cup offered for the best collection, leading our nearest competitor by 23 points. We have the grandest lot of cockerels and pullets for sale we ever owned or saw.

SILVER PENCILED WYANDOTTES

Old and young birds for sale, sired by our 1st, 2d and 3d Madison Square Garden cockerels. A few valuable breeding cocks that will bring you those much sought after solid breasted cockerels that are so scarce (only one appearing at St. Louis). You must have them if you want to win. We have them in cockerels and the finest string of them ever seen in one breeder's yard, and just in from the farms. Order now. White Orpingtons all sold except two fine cockerels, grandsons of "John Bull."

AUG. D. ARNOLD, Box 777, Dillsburg, Pa.

CYPHERS INCUBATOR COMPANY

Grant M. Curtis, President.

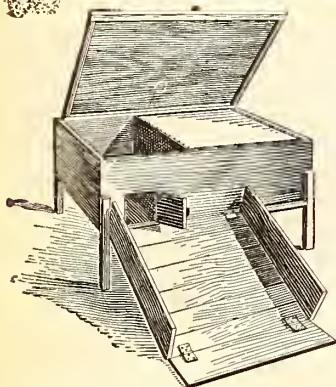
Buffalo, N. Y.
Chicago, Ill.

Boston, Mass.
Kansas City, Mo.

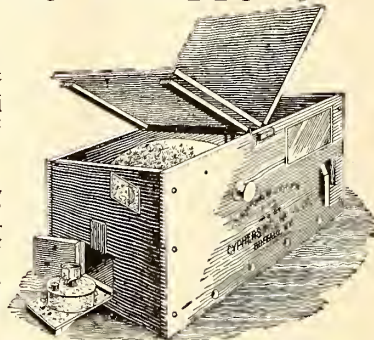
New York, N. Y.
San Francisco, Cal.

119-125 Finsbury Pavement, London, Eng.

**Extends Greeting and Wishes Everybody a Happy
and Prosperous 1905.**



Hare-Curtis Hygienic Brooder. 60 to 75 Chicks. Price Complete \$7.50.



Storm King Outdoor Brooder. Two Sizes, 50 and 100 Chicks, \$6.00 and \$8.00 each.

New Year, New Goods; not only new goods, but greatly improved old ones. The past year (1904) has been by far the most successful and progressive in the history of this company—and we have made it our business, in the past, to "set the pace."

"Competition is the Life of Trade"

and for the year 1905 we challenge competition, both as to quality and prices. Additional to a removable top diaphragm; a "split" or double lower diaphragm, also removable; a solderless, smoke-proof heater; a rigid bowl, seamless bottom lamp, and a self-locking lamp support, attachable without screws, the

Thermostat and Regulating Device

of the 1905-pattern, Standard Cyphers Incubators embodies the following improvements:

- 1.—It is equipped with an adjustment nut, which is instantly effective without throwing the damper wide open.
- 2.—It has a cubical counterpoise weight which is held securely in place by two lock nuts—one on either side—is locked in position at the factory, is not to be moved by the operator and cannot work out of position in shipment.
- 3.—It has a self-placement device for connecting rod so that regulating bar and thermostat may be quickly and infallibly connected.

- 4.—It has a base casting attached in correct position at factory, making it a permanent part of the incubator and rendering it impossible for customers to locate the regulating arm out of line; also holding the arm firmly in the right position.
- 5.—It possesses a perfect alignment of all holes, which are punched with steel dies, rendering misconnections impossible.
- 6.—All parts are made in exact duplicates so that in case of accident or breakage they can be replaced and will fit perfectly.

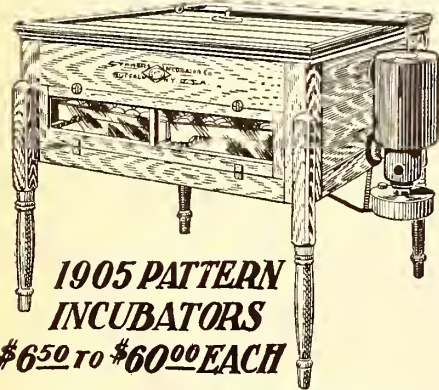
The Patented, Exclusive Features

guarantee all Standard Cyphers, Patent-diaphragm, Non-moisture, Self-ventilating and Self-regulating Incubators, sold under registered trade-mark, either by this company or its authorized agents, as follows:

of the Genuine Cyphers Incubators, together with the valuable improvements embodied in the 1905 pattern, place us in a position to positively warrant and guarantee all Standard Cyphers, Patent-diaphragm, Non-moisture, Self-ventilating and Self-regulating Incubators, sold under registered trade-mark, either by this company or its authorized agents, as follows:

1905 Guarantee.

That each and every Standard Cyphers Incubator we send out will do satisfactory work in the hands of the purchaser, provided he will give it a fair trial, or it can be returned to us, within (90) ninety days, in good repair, less reasonable wear, and purchase price will be refunded.



**1905 PATTERN
INCUBATORS
\$6.50 TO \$60.00 EACH**

The Cyphers Company's New Policy.

This company, under the present management, both as a matter of pride and as a matter of profit, is determined to serve faithfully the interests of its customers to the very limit of its ability. In no other way can it hope to win their confidence and retain their patronage. As buyers they are interested in high grade goods at low prices. Therefore, to supply them with first-rate quality, at the lowest prices consistent with safe business methods, is the best possible way for us, as manufacturers, to deserve their confidence and merit a liberal share of their trade.

It is the habit of the business world to try and enlarge its profits to the greatest possible extent—and pocket the proceeds. Cyphers Incubator Company is now conducting its business on a different plan. For the coming season it positively will share its profits with its customers.

As a direct result of the extraordinary progress made by this company during the past fifteen months, we are able to announce for 1905 a very substantial reduction in the prices of Standard Cyphers Incubators. This is made possible by a satisfactory saving in "cost of production," as the result of increased capital, a larger manufacturing plant, improved machinery and better factory organization.

For a number of years the Cyphers Company's Incubators have been leaders in popular esteem, leaders in numbers sold, leaders in hatching results, leaders in quality of materials and workmanship. Of all the leading attributes of Cyphers Incubators the one in which we have taken the greatest pride is quality and this is the attribute we have most carefully guarded in all our manufactures for 1905.

In keeping with this company's new policy we now offer our customers, in the shape of reduced prices on our Standard Incubators, the large savings we have accomplished lately in their manufacture. For 1905, regardless of consequences,

Our \$14, 60-egg size incubator will be sold for \$12.00.
Our \$20, 120-egg size incubator for - - - \$17.00.
Our \$29, 220-egg size incubator for - - - \$24.00.
Our \$37, 360-egg size incubator for - - - \$30.00.
Our \$58, 440-egg size double-decker for - - - \$48.00.
Our \$78, 720-egg size, double-decker for - - - \$60.00.

In addition to the foregoing we are offering for 1905 two special, low-priced incubators at \$10.00 and \$6.50 each, the Farm-Economy (100-egg capacity) and "Boy's Choice" (50-egg capacity), respectively; also two new styles of brooders, the Storm King Outdoor Brooder, two sizes, which sell at \$6.00 and \$8.00 each, holding 50 and 100 chicks respectively, and the Hare-Curtis Hygienic Brooder, a new departure in brooder construction that we believe will prove a great boon to poultrymen—see opposite page.

Send Today For Complete 1905 Catalogue and Guide,

(228 pages, 8x11 inches) which fully illustrates and describes the more than sixty "Poultry Requisites" now manufactured by us. Please mention this paper and address our nearest office.

CYPHERS INCUBATOR COMPANY,

BUFFALO, N. Y., Court and Wilkeson Streets.
CHICAGO, ILL., 310 Fifth Avenue.

BOSTON, MASS., 34 Merchants Row.
KANSAS CITY, MO., 2325 Broadway.

NEW YORK CITY, 21-23 Barclay Street.
SAN FRANCISCO, CAL.

CYPHERS INCUBATOR COMPANY,

Grant M. Curtis, President.

Branch Houses
FROM
Ocean to Ocean.

BUFFALO, N. Y.

U. S. A.

Goods Sold By
MORE THAN
6,000 Dealers.

Five Styles of Brooders for 1905.

The Hare-Curtis Hygienic Brooder marks a new departure in brooder construction and we believe will work a revolution in the method of raising chicks by artificial means, both as regards the use of individual brooders and in the construction of brooding house beating systems. This is an indoor brooder for

Mid-Winter and Early Spring Use,

which utilizes perfectly the "diffusive principle" of ventilation, does away with the possibility of "trapped" dead-air and insures safety and comfort of chicks. **Specially endorsed and recommended** by Mr. Curtis, president of this company, as a device to which he would unhesitatingly entrust chicks hatched from eggs laid by the finest standard-bred stock, **no matter how valuable.** Dimensions: floor space, 42x32 inches; depth of body, 12 inches; inner cover, 27x22 inches; diameter of hot-air reservoir, 20 inches; inside runway for chicks, 32x15 inches; outside runway, 24x18 inches. **PRICE**, complete with trade-marked thermometer, rigid bowl, seamless bottom lamp, etc., shipped k. d. at lumber rates, **\$7.50.** See illustrated description and numerous testimonials in 1905 catalogue. In successful use three years. Twenty thousand chicks raised in them last season.

1905 Portable Poultry Houses:

Hare-Curtis Self-Locking, 4-Section, Portable Poultry House.

An all grain, sound grain, balanced ration. Feeding it insures healthy fowls, fertile eggs and lots of them. Is fed in litter and promotes exercise.

Cyphers Company's Specialties

Please bear in mind that every article we list here is of our own manufacture. They embrace only such articles as the poultry raiser needs for his best success. About what goes into these goods and are in a position to guarantee their quality.

Special Winter Ready-Mixed Poultry Foods.

Cyphers Scratching Food.

An all grain, sound grain, balanced ration. Feeding it insures healthy fowls, fertile eggs and lots of them. Is fed in litter and promotes exercise.

Cyphers Laying Food.

A palatable ground-meal mixture. Analyzed and balanced for heavy egg yield. In addition to grains, contains meat and clover. Fed as mash.

Cyphers Chick Food.

A complete ready-mixed food for chicks. Made of steel-cut, sound grain, free from waste. No other food will raise an equal percentage of chicks.

NOTE:—These foods are balanced rations for special purposes. **Ground and mixed in our own mill** by experts in poultry feeding. Guaranteed free from all waste products. Made entirely of sound, wholesome grains and seeds. **Put up in sealed bags bearing the Cyphers trade mark.** See that lead seal is unbroken.

Full-Nest Egg Food.

60 Feeds for 1 Cent

The success of this tonic and conditioner has been remarkable. It increases egg production, promotes health, insures vigor in fowls and fertility of eggs. In addition to medicinal seeds, vegetable extracts and mineral salts, it contains, in a highly concentrated form, the necessary animal food for egg production. Takes the place of bugs, worms and insects in the fowl's diet and the scraps and pepper mother used to use."

Cyphers Roup Cure.

Cure Guaranteed.

The one certain remedy for roup in all forms. Prevents and cures common colds, discharge from nostrils, "swelled head," canker, etc., in all poultry. **Cure guaranteed or your money back.** Is used by dissolving in fowls' drinking water; they take their own medicine. 50c package makes twenty-five gallons of medicine. Sold by twenty-five hundred local dealers. Accept no substitute. Price: small package 50c, large package \$1.00. We pay postage.

Cyphers Medicine Case.

Guaranteed Efficacious.

Ten standard poultry remedies in a strong, light-tight case. Recommended by the highest medical authorities and used by the regular profession. Remedies are in tablet form and are given the fowls in drinking water. You may avoid a severe and costly scourge by having them on hand. Full directions on each bottle. Guaranteed perfectly safe. Will cure all the common ailments of poultry.

Standard Lice Killer and Disease Preventive.

During the winter months, when fowls are confined in close quarters, there is great need to disinfect their quarters—more so than at other times. **Don't neglect this work.** We especially recommend:

Cyphers Lice Paint.

It Kills. Not Merely Drives.

Kills all lice and parasites on poultry and other stock. Easy to use, perfectly safe, extra strong, free from adulterations and guaranteed to do the work. Agents wanted in every poultry neighborhood.

Trade NAPCREOL mark

The Standard Disinfectant.

A non-poisonous fluid that kills germs, destroys odors and prevents disease. Used for poultry and in the household. Full strength. Guaranteed positive cure for scaly legs. Ask your dealer or write us.

Latest Poultry Books Cyphers Series on Practical Poultry Keeping. Endorsed by leading authorities as the best books published to date for poultry keepers. 7 in number. 80 to 112 pages, 8x11. Profusely illustrated. Write for list and particulars. **Additional** to the foregoing, we manufacture and offer for sale **Alfalfa and Clover products; Safety Brooder Stoves; Revolving Egg Cabinets; Three Styles of Drinking Fountains; Dry Food Hoppers; Grit and Shell Boxes; Nodi Charcoal (in cartons); Poultry House Heaters; Brood Coops; Chick Shelters; Pedigree Trays; Pedigree Nest Boxes; Water Proof Sheetting; Save-All Egg Preservative; Fumigating Candles; Ovinaphol Nest Eggs; Caponizing Instruments; Anti-Lice Roost Hangers; Leg Bands; Chick Markers; Egg Testers; Drinking Cups; Egg Cases; Egg Packages; Shipping Coops; Food Cookers; Cramping Machines; Spray Pumps, etc., all of which are illustrated and fully described in our 228 page (8x11 inches) 1905 Catalogue and Poultry Guide.**

Six Places of Business.

To facilitate the better handling of our business and to save our customers time and money, we maintain six places of business. Inquiries and orders sent to any of these offices will receive prompt attention. All goods will be shipped from office nearest you, thus saving you time and freight charges.

OUR 1905 CATALOGUE:

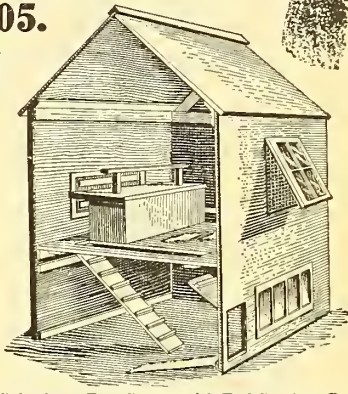
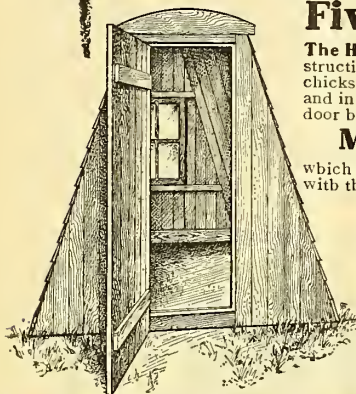
Largest and finest book we have issued; 228 pages, 8x11 inches. Six special chapters on profitable poultry keeping. More than 450 illustrations, including latest portraits of 150 best known authors, judges, fanciers, owners and managers of the world's largest and most successful poultry plants. 120 pages devoted to illustrated description of Cyphers Standard Incubators, Farm-Economy and "Boy's Choice," five styles of brooders, our poultry foods, alfalfa and clover products, poultry books and general poultry supplies—by far the most complete line in the world. Complete book will be ready for mailing January 10th, and will be sent free, postpaid, to every reader of this advertisement, who will send us his name and the names and addresses of two friends or acquaintances who are interested in poultry for profit. Mention this paper and address nearest office.

CYPHERS INCUBATOR COMPANY,

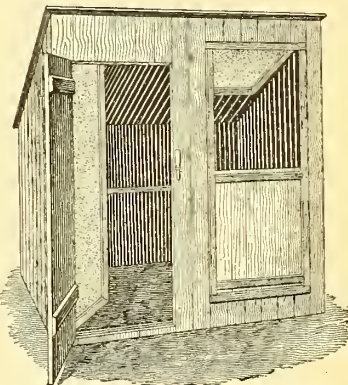
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NEW YORK CITY, 21-23 Barclay Street.
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Suburban (Two-Story) with End Section Removed, Showing Interior Arrangement.



Shed-Roof, Canvas Lighted, Portable Poultry House.

Deafness Can Be Cured.

I Have Made the Most Marvelous Discovery for the Positive Cure of Deafness and Head Noises and I Give the Secret Free.

With This Wonderful, Mysterious Power I Have Made People Deaf for Years Hear the Tick of a Watch in a Few Minutes.

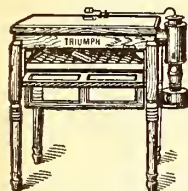
Send Me No Money—Simply Write Me About Your Case and I Send You the Secret by Return Mail Absolutely Free.

After years of research along the lines of the deeper scientific mysteries of the occult and invisible of Nature-forces I have found the cause and cure of deafness and head noises, and I have been enabled by this same mysterious knowledge and power to give to many unfortunate and suffering persons perfect



I Have Demonstrated That Deafness Can Be Cured—Dr. Guy Clifford Powell.

hearing again; and I say to those who have thrown away their money on cheap apparatus, salves, air-pumps, washes, douches and the list of innumerable trash that is offered the public through flanking advertisements, I can and will cure you and cure you to stay cured. I ask no money. My treatment method is one that is so simple it can be used in your own home. You can investigate fully, absolutely free and you pay for it only after you are thoroughly convinced that it will cure you, as it has others. It seems to make no difference with this marvelous new method how long you have been deaf nor what caused your deafness, this new treatment will restore your hearing quickly and permanently. No matter how many remedies have failed you—no matter how many doctors have pronounced your case hopeless, this new magic method of treatment will cure you. I prove this to your entire satisfaction before you pay a cent for it. Write to-day and I will send you full information absolutely free by return mail. Address Dr. Guy Clifford Powell, 1267 Auditorium Building, Peoria, Ill. Remember, send no money—simply your name and address. You will receive an immediate answer and full information by return mail.



Triumph Incubators

transform every fertile egg into a strong, lively chick. No guess work; they are thoroughly tested. Built very durably, having heavy double walls and doors, copper tanks, safety lamps, nursery, is positive self regulating, unexcelled system of ventilation and moisture prevents chicks dying in the shell. It is simple, easy to operate, no night

watching and our prices are very low. Most valuable features not found in others. Triumph Brooders are life savers. All machines sold under strongest guarantee. Don't waste time, money and eggs with a poor machine. Try the Triumph for 30 days free and return if you don't like it. 35 varieties of fine poultry. Eggs and fowls for sale. Catalogue free.

R. F. NEUBERT,

Box 844, Mankato, Minn.



She's Too Lousy

A printed five minutes talk sent free to everybody. "How to Keep Away Vermin Permanently," saving monthly expenses for whitewash, kerosene, insect powder, lice killers.

Carbolineum Wood Preserving Co.
122 Reed St. Milwaukee, Wis.

RHODE ISLAND REDS.

One of the latest breeds introduced to the American poultry fraternity, is the Rhode Island Red; although this fowl originated many years ago, and the Red rooster of the New England poultry yards has long been famous for beauty and pugnacity.

ORIGIN.

It is generally agreed that the parent stock of the Rhode Island Red fowl was a cross of a Chittagong cock on Red Cochin and Red Malay hens. The Chittagongs were essentially the Golden Wyandottes of today; but were longer in body, less erect, and somewhat lighter in shade of plumage color. The Red Cochins were a smooth-legged, medium sized fowl; and differed in these respects from the heavy feathered-legged

it slightly decreased the size and changed the shape some, giving it a rounder and fuller breast than the Single Comb variety.

The Reds are a general purpose fowl. They make excellent dressed poultry, having compact, well shaped bodies, a rich, yellow skin free from dark pin feathers.

The females lay a large, brown egg. As winter layers they are peerless, and in the warmer seasons they have proven a match for any of the mere "egg machines" that have been tried against them. They make good setters and careful mothers, hence are exceedingly valuable for breeding purposes.

As to their economic merits, the Reds, being good foragers, can be kept at less cost than any other breed, excepting possibly the White Leghorn.



R. C. RHODE ISLAND RED FEMALE.

Cochins of today. The plumage color of the Red Cochin females was mostly yellow, and that of the Red Malays a brownish red.

All these fowls were brought from southeastern Asia to Southern Massachusetts and Rhode Island by sailors more than half a century ago.

The comb of the Chittagongs was usually double; that of the Cochins single, and the Malays had a thick, knobby one (such as is sometimes seen even today on Reds). Naturally some of the early specimens of this cross had a rose comb, while others had a single comb.

The best males were usually selected by the farmers and poultrymen in the localities where these fowls existed, and crossed with common hens. The Rose Combs later received considerable Rose Comb Brown Leghorn blood, which gave this variety a better comb, greater activity, and increased egg production, and

SHAPE.

In shape the Reds should conform to the general idea of the American classes, although the Rose Comb variety usually takes more after the Wyandottes, while the Single Comb has more of a Plymouth Rock shape. However, the correct Red shape is something between the two. A long breast bone, a blocky body, and medium short legs, are desirable.

HISTORY

William Tripp, of Rhode Island, did much to develop the Reds in their early days. It is reputed that Isaac Wilbour, of Rhode Island, named these fowls in 1886, but there is good authority that they were called Rhode Island Reds as early as the 50s.

In 1898, a few breeders of Reds met at Fall River, Massachusetts, and organized the Rhode Island Red Club, elected officers, and formulated a standard. This standard was soon afterwards copyrighted and printed. At

Boston in 1901, a more formal description and detailed statement of this breed was agreed upon, and at Rochester, N. Y., last year, application was made for the admission of this breed to the Standard. The Single Comb variety was successful, while the Rose Comb was denied admission by a technicality.

The Reds derive their name from one striking characteristic—the brilliant beauty of the male bird. But they are hard to breed for color, and easy as to other characteristics. The best results in breeding are obtained in mating a dark, rich, even bay colored male with medium colored females, avoiding smut, or what is worse, white in undercolor or wing flights.

CONCLUSION.

The great popularity of the Reds in the East is to most people in the West unexplainable, but to those best acquainted with the good qualities of the breed, it is evident that merit alone is the

that the secretary be instructed to cast the unanimous ballot for the Association for the admission of the Single Comb Rhode Island Reds to the Standard. It was duly seconded and carried. The vote was cast and the breed declared admitted to the Standard.

The only thing said about any other variety of Rhode Island Reds was the following by Mr. Eugene Sites: "I had a letter yesterday from Mr. Buffington saying that he is opposed to us admitting the Single Comb Rhode Island Reds. He thinks if admitted, it should be as a Pea Comb."

OUTDOOR ROOSTING.

Our Langshans and Rhode Island Reds have roosted on trees and sheds up to December 10, and half of the Pullets laid eggs. Ice four inches thick on river, no frosted combs, are as hardy as a bird. This kind of natural way of



R. C. RHODE ISLAND RED MALE.

cause. As a fancier's fowl, the Reds have made rapid strides in recent years, and I believe they will breed as true to color in a short time as any of the colored breeds. I predict a great future for them, and firmly believe they will supersede many of the old and popular breeds of today.

E. E. BECK.

(By the Editor.)

Mr. Beck is mistaken in his assertion that at Rochester last year application was made to the American Poultry Association for admission of the Rhode Island Reds to the Standard of Perfection, and that the Single Comb variety was successful while the Rose Comb was denied admission by a technicality.

The record shows that at the Rochester meeting applications were presented for the admission of but two breeds: the Single Comb Rhode Island Reds and the Pea Comb Buckeye Reds. After quite a bit of discussion, a motion was made

roosting prevents roup and colds. One heating stove is corn and oats and beef the egg food. No mash is feed nor egg forcing foods. Gradually make your Pullets used to all outdoor conditions for health. I have no stock to sell. All sold I care to spare.

JNO. M. SONTAG,

Manufacturer of Incubators and Brooders.

St. Charles, Ill.

MAMMOTH BRONZE TURKEYS.

Seldom ever get fat before cold weather unless they are confined and given all the corn they will eat. It is large bone and not the over fat heavy bird we should inquire for before Christmas for our breeders. By Christmas they are full feathered and ready to take on fat.

MRS. U. E. THURMOND.

Louisiana, Mo.

BUFF ORPINGTONS

Single Comb—Cook's Strain.

Some extra fine young stock at very low prices. Booking orders for eggs at special prices now.

A. EDWARD GREEN CO., Box J, Morgan Park, Ill.

DO YOU KEEP HENS?

If so, let us tell you about our new poultry book,

The Business Hen

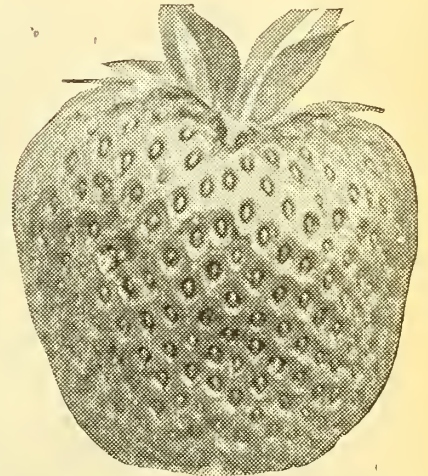
It is just what you want. Full description and specimen pages free. Also sample copy of The R. N. Y. Send your address.

THE RURAL NEW-YORKER
310 Pearl Street, New York.

FREE--Great Crops of

STRAWBERRIES

and How To Grow Them



The **BOOK** that is worth its weight in **Gold** because it tells how **Big Crops** of **Fancy Berries** can be grown every year and how to market them at a **Big Profit**. It contains the **Latest Discoveries** in **Plant Breeding** and has 110 beautiful engravings of berries and berry fields, showing **Actual Results** obtained by progressive growers. It tells how to combine berry growing with poultry and double your profits; there is **Big Money** in strawberries and chickens. The book tells how: It is brim full of **Common Sense** and actual experience. Don't order your plants until you **Read This Book**. It is **Free**. Send your address to the

R. M. KELLOGG CO, Box 325.

Three Rivers, Michigan.

E. B. CRIDLER'S

S. C. B. Leghorns

ARE NEW YORK WINNERS.

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Envelopes 3 1/2 by 6 1/2 inches, an extra thick, strong, smooth, hard slick white writing surface, and 125 Letterheads, 8 1/2 by 11 inches an extra heavy, hard, slick, fine smooth, pure white writing paper. All artistically printed to your order and illustrated with latest new Standard cuts of your choice breed of fowls, postpaid for \$1.00. Better printing at the price was never done. I'll please you. Make all money orders payable to me at Big Clifty, Ky.

J. R. HUDSON, HARDIN SPRINGS, KY.

We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.

FAIRVIEW FARM AND ITS NOTED WHITE LEGHORNS

**Methods Employed by a Successful Plant
—How a Heavy Laying Strain was
Built Up; Also Excelling in
Standard Requirements—
Annual Profits of Several
Thousands of Dollars.**

The methods and principles which have largely contributed to the wonderful success of Mr. J. H. Blanchard in the breeding of S. C. White Leghorns:

Mr. Blanchard is today one of the most successful and prominent breeders in America, and what he has accomplished as a breeder of Standard-bred poultry should act as an incentive to every man or woman in our country.

Some twenty-two years ago Mr. Blanchard made his entry into the poultry field by installing on his fruit and truck farm thirty Single Comb White Leghorns, and since that time the White Leghorns have reigned supreme upon Fairview Farm, and during these years a wonderful improvement has been made in the Standard and utility qualities.

From this small beginning of thirty fowls this plant has been increased to

his facilities for doing business were enlarged as fast as the profits from the business and his experience would allow.

Until two years ago Mr. Blanchard had never shown his Leghorns personally, but had furnished winners for leading shows all over the United States and Canada.

The Laying Houses upon Fairview Farm are worthy of special mention here. The system of ventilation is probably the most complete and practical in use. Mr. Blanchard was the first person to use this system of ventilation and has been in constant use by him for twelve years; he believes it to be a long step forward in poultry house construction. We will give a general description of poultry houses here, incidentally giving the plans of ventilation of laying houses referred to above. Counting the double poultry houses as two, there are twenty-five of these laying houses upon the place, with a capacity of 1,500 lay-

tight board floor is then laid on the sills. Part of the houses have a single floor of one inch matched lumber while the most of them have double floors with Black Neponset sheathing paper between. Were informed that these double floors were the most satisfactory.

We come to the manner of ventilation now. Overhead on the plates are joists 2x6 notched down two inches on the under side and spiked to the rafters at the sides. On these joists is laid a floor of cheap lumber with wide cracks, say one to one and one-half inches left between each board. This constitutes the upper floor. In each peak or gable is a door as large as will swing under the roof. Roof is one-third pitch, cedar shingles. Over the loft floor there is kept loose straw to the depth of about one foot. In coldest weather when the doors and windows have to be kept tightly closed the vapor thrown off by the fowls passes up through the cracks in the loft floor,



SCENES ON THE FARM OF H. J. BLANCHARD, THE WHITE LEGHORN SPECIALIST, GROTON, N. Y.

its present large capacity, and the Blanchard strain has come to be known as one of the leading strains of heavy layers. Their reputation as an egg-producing strain cannot be excelled by any other strain in existence and have few equals. This fact has played an important part in Mr. Blanchard's success. He realized from the start that the first thing to be sought after was an abundant supply of eggs and began at once to breed from his best layers, keeping an accurate account of individuals. This plan of breeding soon had its effect in a perceptible manner, and profits became correspondingly larger. Each year the size of the flock was increased, extra buildings were erected and

ing hens, also buildings and facilities for hatching and raising 2,500 to 3,000 chicks.

The laying houses referred to are mostly 16 feet wide by 40 feet long, and 7½ feet high from bottom of the side, which are 6x6 to top of plates, which are 4x4, with gable roof. Sills are about 30 inches from the ground on stone walls, cedar posts, and in a few instances buildings rest on posts nailed inside the sill extending to the ground, thus making a tight basement with windows in the south side. This basement is made accessible for the fowls from the inside and provided with dry dirt for dusting and wallowing place for the fowls during winter and summer. A

which we referred to above, and is absorbed by the straw instead of being condensed on the walls in the form of frost. On warm days the gable doors are thrown open and the air passing through dries out the loft and straw and ventilates the whole building without any draught on the fowls below. Most of the poultry houses on Fairview Farm are double walled with dead air space between. The basement under these houses being well lighted by the windows in the south side, are not infested with rats or other vermin. In summer, too, the birds greatly enjoy this basement as a resting and wallowing place in stormy or very warm weather.

This plant is equipped with all modern conveniences, such as electric lights, a complete water system with non-freezing hydrants just outside the door of each poultry house. An eighty-five barrel tank covered by a frost-proof building is kept full of pure water from a nearby artesian well, by a wind-mill pump, and the water carried all through the plant by galvanized iron pipes 3½ to 7 feet underground. There is also ready at all times a fifty-two gallon tank of hot water.

Mr. Blanchard's trade in market eggs has grown to enormous proportions, and he has to buy eggs from neighboring poultry farms to help him out on his New York City trade. This trade he has built up by supplying strictly fresh eggs at all seasons of the year.

Mr. Blanchard's system of feeding his laying stock is as follows: In early morning a very scant ration of whole mixed grains is scattered in the litter on the floor of the houses. They are then watered, and the water is warm in cold weather. Next they are given

mangel wurzel or cabbage, cut in halves and placed on the floor. This keeps the birds busy most of the forenoon. At noon they are fed a warm mash composed of ground corn, oats and wheat bran, about equal parts by measure, to which is added about three pounds of beef scraps for each one hundred hens, and a little oil meal. The whole is then thoroughly mixed dry. About two quarts of cut clover for each 100 hens is put in pails and hot water turned on until thoroughly soaked. The clover and hot water are turned on the dry mixture and warm skimmed milk added if convenient; if not, more hot water, and the whole mass is then mixed un-

to build up a strain of large, vigorous, hardy, single comb White Leghorns of standard quality, that would lay the greatest possible number of choice eggs. Such a strain as this cannot be built up in a year or two, but it takes many years of patient, painstaking, skillful selection and mating. He introduces new blood into his flock as often as found necessary, by the purchase of the best stock to be found.

By combining the fancy with utility Mr. Blanchard has built up a business that any successful business man might well be proud of.

HELPS FOR A BEGINNER.

Every man makes mistakes, but men without certain qualities have seemingly more ill-luck than others. However,

the experience or advice of a successful fancier and at once try to employ it in his case without first considering the matter carefully. I do not mean by this that the writer of that article did not put in it the truth but under different circumstances methods peculiar to themselves have to be employed, and also the reader if acting promptly may easily mistake the meaning and thus by making changes on his plans so as to bring misfortunes his way.

Before adopting any new plans the poultry man should ask himself first: Am I succeeding with my present plans second. How much changing would be necessary, and am I in the same conditions where those plans have been successful, and lastly after considering these carefully, would it pay me to change?



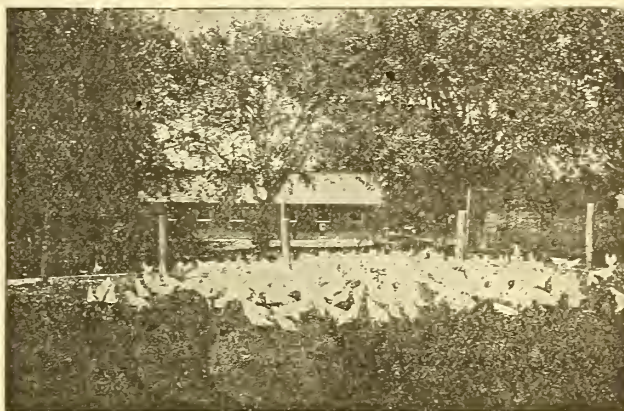
H. J. BLANCHARD.

til it is moistened. The mash is then fed in troughs; all the birds will eat with a relish. Towards night a ration of whole mixed grains—corn, wheat, oats and buckwheat—is fed in the litter, all they can eat.

In December Mr. Blanchard selects most of his breeding stock for the following season, but he always has one or more pens mated up, as he receives orders for eggs every month in the year.

The chicks hatched on Fairview Farm are uniform and strong, being bred from vigorous parents, properly hatched, brooded and fed, and given free range. All hatching and rearing of chicks is done with incubators and brooders.

It has been Mr. Blanchard's ambition



A Flock of White Leghorns on the farm of H. J. Blanchard, Groton, N. Y.

in this age the terms luck and ill-luck are becoming more and more taken place by "common sense." This is true certainly with poultrymen. In some cases the term ill-luck may be used with truthfulness, but in the majority of cases we find a reason for it in the fact that the misfortunate did not have the amount of common sense which his circumstances required him to use. So that the best way to do is to obtain and cultivate common sense wherever a chance to do so presents itself.

There are many ways in which the poultry man may do this, if he will. One of the most important ways is to form his own opinions after reading and conversation.

How often the fancier fails to do this. How many on picking up a paper read

This is one of the great stumbling blocks to successful poultry raising that beginners have to contend with. I have found it a very good plan to cut out articles from poultry papers if their contents prove to be something helpful in my case, and make a scrap book of them. This comes in handy when any information is needed.

Some of the other stumbling blocks are fraud advertisements and testimonies which accompany them. Lack of ambition and energy, and misfortunes which sometimes come without cause.

Some or all of these blocks are met with in the road to success, but if the beginner goes around them instead of falling over them, he will find the goal will be easier and quicker attained.

C. L. ROSE.

OUR WHITE LEGHORNS

WON AT ST. LOUIS
Cocks 1st & 3rd—Cockerels 2nd
Pullets 1st—Pens 1st & 5th
Gold Specials, Shape Specials &c. 374 Birds in Class

WINNERS

The Result of Sixteen Years of Line Breeding

Our stock has won not only in the two breeds at St. Louis World's Fair, but has, since 1902, produced winners of all its six breeds for New York, Boston and all other large poultry shows.

Superb Exhibition Birds in condition to enter show ring:
Males, \$10 to \$50 each. Females, \$10 to \$40 each.
Splendid Breeding Birds: Males and Females, \$5 to \$10 each.

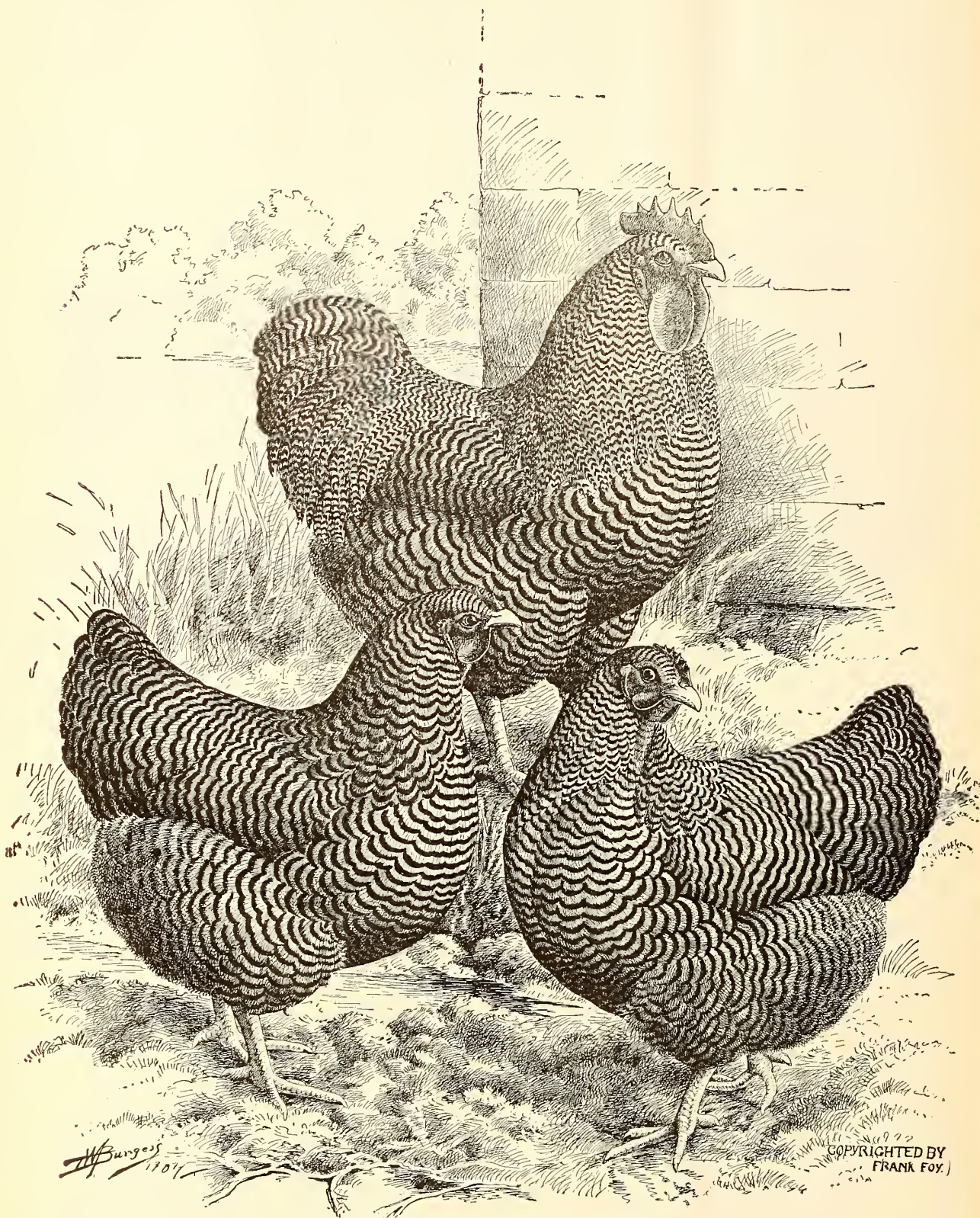
Thousands of Cockerels and Pullets for great egg production, \$15 per pen, carefully mated.
Egg orders booked now—\$5 per 12, straight—from exhibition matings. \$2 per 12, from laying matings.

Our six breeds, the most popular ones:
White Leghorns, White Plymouth Rocks, Barred Plymouth Rocks, White Wyandottes, Black Minorcas, Light Brahmas.

ELM POULTRY YARDS Est. 1888
P. O. Box, 000, Hartford, Conn.
Angora Goats and Fox Terrier Dogs.
Prices on application.

OUR WHITE WYANDOTTES

WON AT ST. LOUIS
Cocks 5th—Hens 2nd
Pullets 1st & 2nd—Display 2nd
8 Specials &c. 769 Birds in Class



TRIO OF BARRED PLYMOUTH ROCKS.
Bred on the Crescent Poultry Farm, Frank Foy, Proprietor, Des Moines, Iowa.

Frank Foy, The Famous Poultryman, and His Famous Crescent Farm.

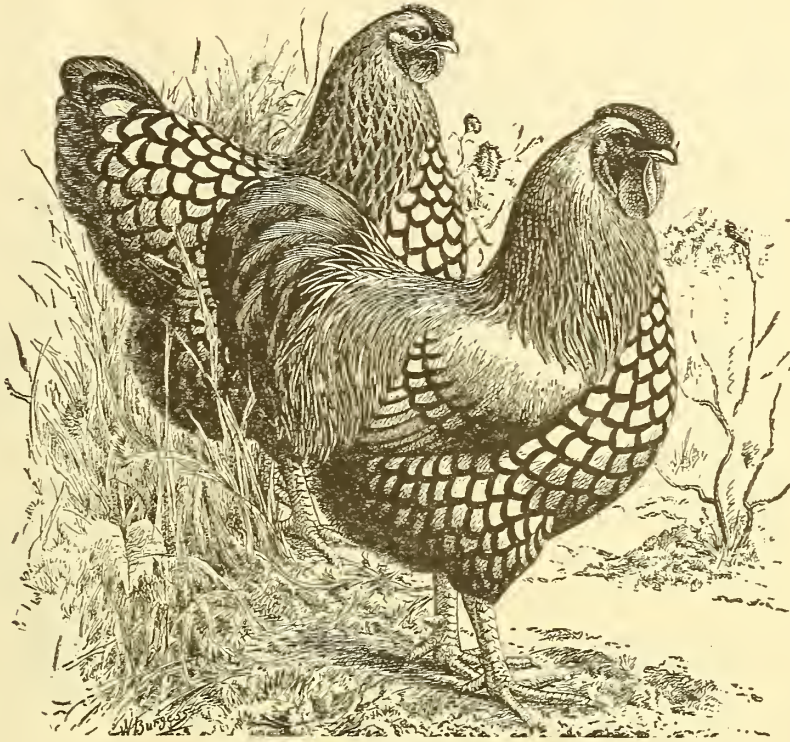
"Out there in Iowa" at Des Moines, is located a man by the name of Foy who by sheer honesty, strict attention to business, and thorough knowledge of everything pertaining to poultry, has in the past five years built up a business

year to manufacture an incubator of his own and call it "The Frank Foy."

This incubator is now ready for the market, and it goes without saying that it will outsell and outpace anything ever offered. It is certainly a wonder and embodies all of the essential points which have for so many years been omitted in all of the other machines.

Mr. Foy puts himself and his reputation behind this hatcher, guaranteeing it in every way, and the purchaser may rest assured that when he buys a "Frank Foy" he is in possession of the nearest

JOURNAL will do themselves a great favor by sending four cents in stamps to F. Foy, Des Moines, Ia., Box B, with a request for a copy of his handsome 84 page book called "Money in Poultry." It contains a wealth of valuable information of intense interest to every one who keeps poultry, illustrates and describes the various breeds in an entertaining manner, tells all about diseases their cure, etc., how to successfully breed and rear all kinds of pure bred stock, in short gives full information on just how to find the "Money in Poultry."



FOY'S SILVER LACED WYANDOTTES.

which extends to every corner of the United States and is now rapidly spreading out beyond its borders.

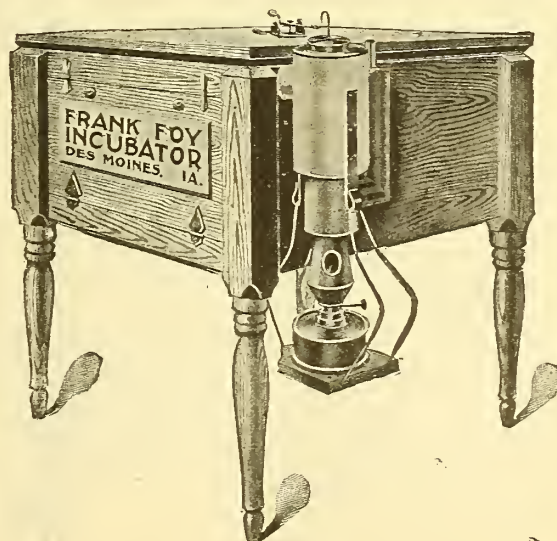
Foy is one of those peculiar fellows who was born honest and has never gotten over it. To be sure he has not tried very hard, in short his efforts have been all in the other direction, to such an extent in fact, that those who know him best and have had dealings with him the longest, say he is a perfect ignoramus on everything pertaining to trickery or double dealing. He says himself that he has no desire for knowledge on these subjects.

It is because of this, because people all over the country have found that what he says can be depended upon, that his business has assumed proportions of which a man might well be proud after ten years of effort, to say nothing of five, which is the time in which Mr. Foy has accomplished it. He is an incubator expert, and probably knows more about artificial incubation and the laws which govern it, than any man in America. Because of this it was but natural that his advice should constantly be sought by his hundreds of patrons who were contemplating the purchase of an incubator as to which machine they should buy. As none of those now on the market fully met his views with reference to what an up-to-date hatching machine should be, he concluded this

perfect incubator ever devised by the mind of man.

The readers of the AMERICAN POULTRY

It is there all right, and all that is needed is one of Mr. Foy's books to enable any one to find it "for sure."



KNOW EACH BIRD.

Every fowl on the place should be appraised according to some standard based upon qualities that each separate bird is actually known to have. No member of the flock should be retained or disposed of unless there is a good reason why that particular bird should or should not be kept longer.

Yarmouth, Me. F. O. WELLCOME.

DRY HOUSES.

In my extensive experience with poultry I find dry houses are far more essential than warm ones. Have the floor of earth, some 6 to 12 inches above the

ground outside, renewing each year, with either a loft above or else heavy canvas doors or windows, which need be the only inclosure during the day when weather is fair. Fowls will keep more rugged and stand more cold without freezing combs or wattles. In real severe weather your doors can be closed or the window drawn.

Belvidere, Ill. C. F. McLAIN.

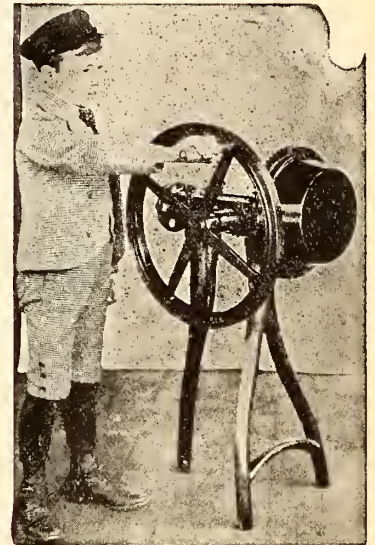
Poultry need carbon, nitrogen and lime, says Dr. J. H. Casey. All these ingredients will be found in green bone.

The first green goose in New York and Boston markets bring from 18 to 25 cents a pound.

GROUND GREEN BONE THE IDEAL POULTRY FOOD.

Fresh cut green bone is the ideal egg-producer of all foods, because it contains in a greater degree all of the constituent elements the hen needs to make eggs. It is especially essential as a winter ration, to take the place of the feed which nature so lavishly supplies to fowls in the summer. Every fowl in the flock will grow stronger and healthier with a regular feed of cut green bone. Poultry, like people, need a variety of foods. They eat cut bone with eagerness. They become more profitable in proportion as they are better fed. Analysis, as well as practical experience, proves that green bone is extremely rich in egg-producing and muscle-making material—nothing equals it in these respects.

One authority says: "The bone cut-



ter is as necessary to the poultryman as his feed mill. It enables him to use an excellent and cheap food, and gives him a profit where he otherwise might be compelled to suffer loss." Experience proves that a Dandy Green Bone Cutter makes poultry pay—it makes hens lay in the winter when eggs are high.

The Dandy is manufactured by the Stratton Manufacturing Co., of Erie, Pa., who will be glad to send you a handsome booklet describing their full line of bone cutters, which they sell on trial and guarantee in every respect with a broad guarantee. Write them before you buy.

N. M. Odell, Wichita, Kas., commences yearly advertising in this month. He made some splendid winnings at the World's Fair, St. Louis, on his Pekin Ducks, winning on an entry of four ducks as follows: First hen, first cockerel and fourth pullet. Mr. Odell also breeds Barred Plymouth Rocks.

AT THE HEART OF THE BUSINESS.

During this cold weather don't forget to give the poultry animal food of some kind as well as grain. It keeps their heads bright and red, signifying health. A few drops of aconite in the drinking water is good. Don't let the cockerels run with the females.

B. S. BECKINGTON.

Garden Prairie, Ill.

VALLE CRUCIS FARM

Breeders of America's greatest laying and exhibition strains of S. C. White Leghorns and White Wyandottes. Our offerings for October and November: 50 choice breeding pens of S. C. W. Leghorns (1904 batch) at from \$10 to \$15 per pen, according to quality. These birds are all from our best matings the past season and are sure to please you. Splendid breeding cockerels of both varieties from \$2 to \$5 each. Remember that our stock has been line-bred for years and is sold on honor. Handsome catalogue free for the asking. Write for it to-day.

VALLE CRUCIS FARM. W. H. Hardin, Supt., Valle Crucis, N. C.

The Tourist's Helper for Southern California

THE TOURIST will save time and strength and money by using the TOURIST'S HELPER. Our acquaintance with Ocean Resorts, Suburban Towns and Cities of Southern California make our services indispensable to the stranger.

THE HEALTH-SEEKER can have the problem of where to go solved by the counsel of Dr. Dumm. His knowledge of the varying climatic conditions will enable you to select the right place.

THE HOME-SEEKER will avoid being mis-located if he uses THE TOURIST'S HELPER. With our Helpers in every large center we can assist you to buy intelligently the chicken ranch or fruit farm you are looking for.

Dr. W. W. DUMM, Mgr. 218 Grant Blvd., Los Angeles, Cal.

Barred
Plymouth
Rocks
Exclusively

WINNERS WHEREVER SHOWN. At Sherwood, Mich., December, 1903, I won 1st hen, 1st 2d and 3d pullets, 1st pen and tied for 2d and 3d ckl., winning all the 1sts, and six out of 8 prizes awarded on the breed, including special for best ckl. and pullet. Am assisted in mating stock by Judge Tucker each season. Grand exhibition and breeding birds for sale reasonable with score cards by him if desired. Correspondence solicited.

J. A. BARNUM, Tekonsha, Michigan

\$5

FOR A FIFTY EGG INCUBATOR

The "Cycle" Hatcher is the perfected result of the latest discoveries in artificial incubation—"A Wonder of the 20th Century." The CYCLE HATCHER duplicates the natural hatching of the hen. Made from metal it never warps, swells, cracks or shrinks—results always the same. Free Catalog explains the advantages of the metal construction. Cycle Hatcher Co., Box 214, Salem, N. Y.



You Want Something Good

for the shows or your breeding pens. We have some extra good chicks; also choice aged birds for sale. Nothing but White Plymouth Rocks bred by

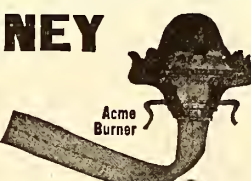
HILL TOP POULTRY YARDS Box 434, Anderson, Ind.

DON'T BURN MONEY

SAVE HALF

and get more heat and better light, by using

ACME SPECIAL BURNERS

Made in two sizes, No. 1 and No. 2. The No. 2 will make more heat and light than any No. 3 burner, and use 50 per cent less oil. The Acme Trip burner saves 1/2 the oil for incubator use, because regulator turns flame up or down as needed. Can't over-heat or char the wick. The Acme Wick requires no trimming, is special close woven and twice as thick as other wicks, end encased in seamless metal tube with composition burner tip. As the oil passes through this composition, it is purified and converted into gas, burning with an intense heat and a brilliant light.

NO SMOKE - NO SOOT - NO OFFENSIVE ODOR

These wicks are for the Acme Burners only, and will last from 30 to 60 days for Incubator use and 12 to 18 months for ordinary house use. Acme Burners fit any lamp. Give size of lamp collar when ordering. The Acme Automatic Gas Valve saves 75 per cent of gas for incubator use, because the regulator turns the flame down or up as needed. Burner tip can be located any distance and in any direction from the valve. For instance, burner can be placed under brooder hover and the valve remain on outside where it can be readily connected with regulator. Price of Acme Burner with wick, either size, pre-paid, 75c. Price of Acme Trip Burner with wick, either size, pre-paid, \$1. Price of extra wicks, either size, pre-paid, 10c each, 3 for 25c. Send for our complete catalogue of the Acme Compound Regulators, Acme Automatic Lamps, showing our latest combined damper and flame regulation, Incubator Fixtures, including the famous

PEERLESS INCUBATOR AND BROODER PLANS

Nearly 100 photographic views showing step by step every stage of Incubator and Brooder construction. It's free, send for it now.

H. M. SHEER CO., BOX 104, QUINCY, ILL.

Acme Wick

Acme Gas Burner

WILBER'S Gem Strain SINGLE COMB WHITE LEGHORNS

WORLD'S BEST. Acknowledged heartiest laying exhibition strain "None better." Exhibition breeding stock in singles, pairs, tricos, pens and yards mated to suit. Limited number fine breeding cockerels half price for immediate orders. Egg orders booked now. Send orders today for early delivery. Handsome, instructive catalogue, annual egg folder for asking, or write your wants.

WILBER BROS., State Vice-Pres. Nat. S. C. W. Leghorn Club, Box B, Petros Tennessee, U. S. A.

NORTHUP'S MINORCAS SINGLE AND ROSE COMB

Eggs from 20 grand pens guaranteed to hatch regardless of distance. 28-page catalogue free. 68-page book, "Minorcas, All varieties," history, mating, fitting for show, etc. Fully illustrated, 25 cents postpaid. My S. C. Minorcas have never lost a special for large size, and have won more than 3,000 prizes for my customers in strong competition. My R. C. Black Minorcas have won more 1st and 2d prizes than all competitors combined at Chicago, Boston, Philadelphia and New York.

GEO. H. NORTHUP, Raceville, Washington Co., N. Y., R. F. D. 6

The Original World's Best are

Fishel's White Wyandottes

Our yards contain winners at CLEVELAND, NEW YORK, ST. LOUIS, SPRINGFIELD, INDIANAPOLIS three successive years and the great World's Fair; also many other great shows of note. Now, kind people, if you are after QUALITY send us your orders. Don't wait to place your order for eggs, do it at once. We are booking orders now and will ship in rotation. Remember we are headquarters for White Wyandottes.

CATALOGUE FREE

J. C. FISHEL & SON,

Box J, - - Hope, Indiana.

TREES THAT GROW

Hardy varieties; yield big crops. Grafted Apple, 4/4c; Budded Peach, 3/4c; Black Locust Seedlings, \$1 per

GERMAN NURSERIES
Carl Sonderberger, Prop.
Box 14, Beatrice, Neb.

1000; Concord Grapes, \$2 per 100. We pay the freight. Catalog, English or German, free. **GERMAN NURSERIES**
Box 14, Beatrice, Neb.

Miller's Roup Cure

"Made by the Man Who Knows"

No Cure No Pay

Positively guaranteed to cure Roup in all forms, as well as common colds, "swelled head" canker, catarrh, discharges from the nostrils, etc. An original remedy used successfully by me for 20 years on Millhook Poultry Farm—the largest farm of Standard Bred Poultry in the world. Beware of colds; they lead to Roup. Miller's Roup Cure both prevents and cures. Use it in the fowl's drinking water. One package makes 25 gals medicine.

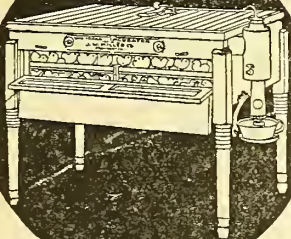
It Never Fails

Take no substitute but insist on Miller's. Sent postpaid for

Only 50 Cents

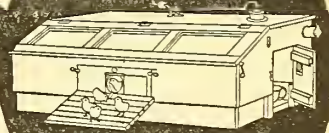
Send Today for big free book "Poultry for Profit,"—describing full line of Ideal Incubators and Brooders, Standard Bred Poultry and Poultry Supplies of every description. Address

The J. W. Miller Company
Station B.
Freeport, Ills.



How Are They Coming?

I know you are not getting the chicks you should get out of your good eggs if you are plodding along with some of the incubators and brooders I have tried. The trouble is that most incubators and brooders are not practical, common sense, every day working machines. I worried along with them a good many years, for I have raised poultry for profit all my life. They kept me always experimenting. The machines were not dependable. When I had all the "experiences" I wanted I perfected the



Ideal Incubators and Brooders

I made them so that they stopped the frightful waste of eggs I had always experienced. They saved my time. They made my hatches dependable and did away with the constant worry about heating, ventilating and regulating. A good many thousand people have bought Ideal Incubators of me—more last year than ever before. What they say of their success is interesting reading to poultry raisers. They all bought on

Thirty Days Free Trial

I'm always glad to send them out that way because they're always just as good as sold. I have gotten out a grand new book this year—a combination Incubator, Brooder, Poultry and Poultry Supply book. I believe it saves money and makes money for people engaged, like I am, in the poultry business. Write to me at once and let me send a copy. It costs you nothing, I'll pay postage.

J.W. Miller Co., Bx 56, Freeport, Ill.

MADE BY THE MAN WHO KNOWS

IT DOES THE WORK



SUNFLOWER SEED IS VALUABLE TO THE POULTRYMAN.

What will help to make hens lay in the winter time is always an interesting question, not alone to the man who makes chicken raising his specialty, but to the farmer as well, and many are the firms that are doing a nice business selling various preparations which are claimed to bring about this desired result.

It has been our good fortune to make the discovery that the Creator in His infinite wisdom has furnished us with a plant easily grown and which is a good yielder anywhere in the United States, the seed of which we have found when properly fed certainly increases the egg production; and what we believe to be of equal importance is one of the most valuable aids to the fowls during the moulting period. Our attention was attracted by the birds eating sunflower seed purely by chance, and the discovery thus made was followed up by experiments which fully demonstrated what we now proclaim for the benefit of our poultry brethren.

Some years ago we raised a small patch of sunflowers into which one pen of hens were allowed to run, and as the seeds ripened and fell out were quickly picked up by the birds which at that time had just started to moult. This particular pen moulted in half the time required by those not having the seed and new feathers came in quickly and were more glossy and of better texture than the others; these were stronger and commenced to shell out eggs long before, and in greater numbers than those fed in the ordinary way. A narrative of our various experiments, while it might be interesting, we do not think has a place here, so we will simply state results.

Sunflower seed, giving a full feed four times a week, at the same time using other grain sparingly during moulting time, will bring the birds through in half the usual time, with better plumage and in better health than by feeding linseed meal, cottonseed meal or any other preparation we have ever seen or used, and it is nature's provision—nothing artificial about it. We do not believe in feeding "dope" of any kind. Used as an egg food, care must be taken as the seed is fattening and if fed heavily will throw the fowls into a second moult, which, of course, would be serious. For this purpose we get satis-

factory results by giving one full feed of the seed twice a week during the winter time. What we mean by "a full feed" is a handful for each bird.

Now sunflower seed is too expensive if you are obliged to buy it, to be used for chicken feed, but it is easily raised and yields as good or better than corn. So most everybody in our business may produce their own. Of course, this does not include our brother of the "city lot plaut," who has no room to raise anything but chickens and not much room for that. We plant like corn in checkrows, so that the field may be cultivated both ways, thus avoiding hoeing, which would be necessary if planted one way only. After the plants have grown about one foot high we go through and cut out the weaker ones, leaving but one good strout plant in a hill. This is important, as they will not do well if grown together. They should be cultivated until about waist high, when they will take care of themselves until harvesting time. Where large quantities are grown, the heads may be cut off when ripe and run through a threshing machine the same as beans, but where one or two acres only are to be taken care of a very good method is to cut the heads when the seed is dry and nearly ready to fall out, leaving about six inches of the stock on for a handle, and knock the seed out by striking the back of the head (not yours) with a stick. If done at the proper time one or two good raps with the stick will send all the seeds flying out and a good worker can thresh an acre a day. The seed should then be spread out in the sun and frequently turned until thoroughly dry, when they may be run through a fanning mill or winnowed in the old fashioned way, and stored the same as any grain. Last year we supplied seed to poultry raisers in every state in the union and had many orders from Canada, and from the many letters we are now receiving from interested parties it is inferred that we will have to hustle to fill the orders this coming spring. Sunflowers are valuable in many other ways. The seed is sold in cities for parrot food and put up in neat packages brings fancy prices.

The stock contains a fiber from which rope is made. They also contain a pith which is excellent material with which to make life preservers. The corona or bloom furnishes an oil used as a con-

sumption cure and which is now being imported from Russia at a cost of 60 cents per ounce, and if you want some nice kindling wood just cut up the dry stocks into stove lengths and see what a quick fire you can build some cold morning in winter.

EDDY & EDDY,
White Rock Poultry Farm, Maunheim,
Ill.

UNIFORMITY.

Uniformity is a valuable characteristic to establish in any flock. I find by selecting only my best layers for breeders I have produced a strain of uniformly splendid layers. By breeding from good sized, mature specimens I have increased the size of the stock and it is more uniform in size. By selecting breeders from the families that show highest uniform quality I have now a flock very uniform, also in shape and color, and very satisfactory to handle.

VICTOR D. CANEDAY.

Taylor's Falls, Minn.

GENERAL FEED FOR WINTER.

Editor AMERICAN POULTRY JOURNAL,
Chicago.

Dear Sir—We are feeding alfalino, composed of ground alfalfa, meat scraps, blood meal, bone meal and grit, with splendid results, and believe the green food question is settled. Nothing ever took the place of grass and what fowls get on the range as this food.

J. W. EASTES.

Galesburg, Ill., 565 Main st.

We are in a quandary to know by what standard the W. P. Rocks were judged at the World's Fair.

If by the new standard, we are anxious to see a copy, and find the authority for the placing awards at the recent show.

Our present standard says males, comb, single, slightly below medium, set firmly on the head, free from side sprigs. Female, head, medium size, comb, small in size, back broad, breast broad, etc. Legs medium length.

Batavia, O. MRS. J. H. OREBAUGH.

Better results in egg yield and fertility come from those ducks that have bathing water. It gives them exercise and prevents the accumulation of too much fat.

FOR YOUR ROOFS

IT'S THE ROOF THAT LASTS.

Don't take an imitation, but insist upon having the genuine **PAROID**—the roof with quality and durability in it. Contains no tar. Slate color. Each roll contains a complete roofing kit. Send to-day for **FREE SAMPLE** and book on "Building Economy." It will save you money on every building on the place. Established 1817.
F. W. BIRD & SON East Walpole, Mass. or Monadnock Bldg., Chicago.

PAROID ROOFING

3 WHY'S for BUYERS EYES

WHY NO. 1

The first reason why you should buy a

GEM INCUBATOR

is because it is a thoroughly reliable hatcher, is constructed in the most approved, substantial manner. It has features that make it the simplest and easiest machine to operate. Thousands sold and every purchaser has only words of praise for the Gem Incubator.

WHY NO. 2

The second reason why you should buy a

GEM INCUBATOR

is because it invariably hatches every fertile egg. And is the only incubator built that has a Removable Chick Tray and Nursery which can be removed from the machine. Send today for free catalog.

GEM INCUBATOR CO.

Box B
Dayton, O.

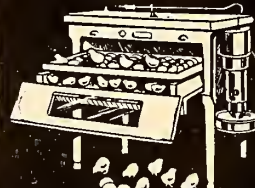
WHY NO. 3

The third reason why you should buy a

GEM INCUBATOR

is because an average of not over 10 minutes in 24 hours is all that is required to take care of it. Women, Boys and Girls can manage a Gem as successfully as the experienced operator and thus make money. 101 other ways fully set forth in our catalog.

THE GEM HATCHES 'EM



EGGS IN WINTER.

Right at the start I will put myself on record as saying the "dope" below is from experience, not theory. First and most essential in getting eggs during the winter period is the breed, and next the feed. You cannot, however, expect very late raised chicks to commence laying until they have matured, consequently it is necessary to get your incubators started very early if you figure on a pullet output. I had youngsters hatched early in January and am convinced that it is very necessary to do this to secure eggs in the middle summer season when most of the old biddies work overtime brooding. Referring to the stress put on the breed. Not being satisfied with the variety I had been keeping for a number of years, purchased Buff Rocks for comparison and the marked disparity in favor of the Rocks won me over at once by their general utility qualities. Having read so many glowing accounts of the Orpingtons added a dozen of the single comb variety and they fully corroborated the statements I had perused in relation to the early laying of the pullets. Last December (1903) having more eggs than we could use, decided to fill a 50 egg size incubator. Forty-five tested fertile. When you consider the extremely severe weather we had at that time, this record is "not bad." The hatch was all over January 17, some 37 lively hustlers being the result. On June 8 (4 months and 22 days) the first pullet, an Orpington, laid and her

sisters followed suit at irregular periods, the Orpingtons, however developing this trait much earlier than the Rocks, although the outcome in eggs was about a stand-off as the former tended to broodiness more and sooner than the latter. These birds kept at it all summer long, but molted late in the fall, whereas pullets hatched a month or two afterwards seemed to have escaped this. The April and May pullets commenced just about this period, so we have had eggs all the time, and lots of them at that. At the time of writing, the forepart of December, we have more than we can use and are supplying non-fertile eggs to several of our neighbors.

As to the feed question, believe the more simple and nearer Nature you get, the better the results. Have read both sides of the mash idea, that is whether to feed at night or morning. Both sound logical. I prefer the morning, presumably because in the winter I am not home in time to prepare in the evening. I used to compound my own mash preparation, then tried the prepared foods, and when the chicks showed a marked preference for the latter, adopted it entirely. I always pour boiling water in my pail and put in the meal afterwards, finding it mixes better this way, and last of all add my cut clover, alfalfa meal or cut bone, twice a week adding some sale and seeing that it is well dissolved. I use cut bone and clover or alfalfa alternately except Sunday, which is a kind of evener-up, when the birds have to hustle. And if any surplus grain is left in the litter the over-supply is cleaned up. I never stall-feed them on mash, and when

the troughs are cleaned up grain is scattered in the scratching pen, where at present there is fully six inches of dry leaves. About 3 p. m. the folks throw in a little more grain and this, with a plentiful supply of fresh water, comprises their day's meal. Enough grain is fed them, however, to amply satisfy their wants, and cutting out the mash Sunday kind of evens up things and prevents an accumulation of grain. I use oats, corn, wheat and rye in about the order given; that is, oats is the main cereal and rye the least used. I also get blowings from the elevator; it is the cleanings from cars of grain. The biddies like to hunt the weed seeds in it and it gives them a variety. Occasionally I buy some millet, hemp, Kaffir corn, rice and hulled oats just for a treat. It is best to keep them on the hunt for grub, for a lazy hen is no egg producer. Grit and oyster shell is before them all the time and ground charcoal and sulphur is added to the soft stuff occasionally. Now by this simple way we are never without eggs and cannot see why others should be, if, as before impressed, you have the utility variety. I have a very original and simple coop and mate very closely, and have had some wonderful results in the buff color.

—o—
Hanover Ganze Biuste (Hanover smoked geese breasts) sell in Europe in the finest delicatessen stores at 80 cents to \$1 a pound.

—
Don't discard corn entirely, but feed it judiciously with other grains. Never feed it alone.

ROYAL INCUBATOR

**GET
ONE
HATCH
FREE**

Before you buy an incubator send for our special 30 days free trial offer on the Royal. It's a machine built for service; hatches big percentages; gives no trouble; takes little oil.

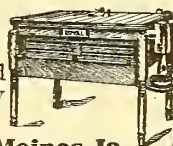
We Give You One Hatch Free.

If you like the machine after trying it, keep it; if you don't, send it back. There are no strings to this offer. Will you try it?

Send To-Day

for special trial offer and incubator, poultry and poultry supply catalog **Free**. Good poultry paper one year 10 cents.

Royal Incubator Co., Drawer 80, Des Moines, Ia.



**30
DAYS
FREE
TRIAL**

BRONZE TURKEYS

In Turkeys, as well as everything else, it pays to buy the best. I have bred Bronze Turkeys for many years. At the

Great St. Louis World's Fair

our Turkeys won fourth prize old tom; first, second, third, sixth and seventh prize, young tom; first, second, fifth, and sixth hen; first, fourth, fifth and seventh pullet, winning three first prizes out of a possible four, and half of all the prizes offered on Bronze Turkeys. Also Silver cup for best display. I have

400 FOR SALE 400

All large, healthy stock. Show birds able to win anywhere. Breeders, old or young. Send three 2-cent stamps for our new 48-page CATALOGUE. Do not delay buying your breeding toms. Address

MRS. U. R. FISHEL

Box A, Hope, Indiana

1883 **SWAN'S STANDARD ROOFING** 1904

2 & 3 PLY
TRADE MARK

ROOFING **EXTRA HEAVY FELT ROOFING** **ROOFING**

for poultry houses; a low price, durable roofing. Endorsed by thousands of poultrymen. Many of the largest poultry plants are covered with it, can be applied by anyone on steep or flat roofs. If you are going to build, or have roofs to repair, send for samples, circulars and prices.

THE A. F. SWAN CO.,
12 Battery Place, New York, N.Y.

Bowlus' Bronze Turkeys

Have won the best prizes at Ohio's greatest shows for several years, such as Cleveland, Toledo, Fremont, etc. Write for prices.

Richard F. Bowlus, R. F. D. 6, Fremont, Ohio

ESTABLISHED IN 1880
Headquarters for

Poultry, Dog, Bird and Pigeon Supplies

Incubators, Brooders, Bone Mills, etc. Our catalogue "A" containing full list and prices, free on application.

ROYCE & PASSMORE,

Succrs. to C. H. Royce & Sons, 201 Jefferson Ave. Detroit, Mich.

60 DAYS FREE TRIAL

When buying an Incubator or Brooder you want to know positively that they are practical, and that you can use them successfully. We have a 60 Day Free Trial Plan of selling direct to you, saving several profits for you—a fair, square plan which allows an accurate test in actual use in your own home—we'd like real well to tell you all about it, and to send you our new catalogue free. May we?

The Climax Incubator & Brooder Co., Box 201, Castorland, N. Y.

Climax
Incubator and Brooder



2 DANDYS FOR POULTRY PEOPLE

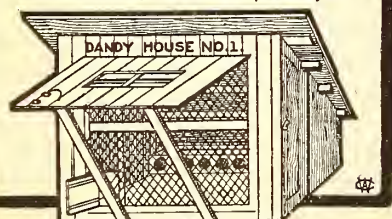


They raise dandy chickens that bring dandy prices. Everybody who saw our big display at St. Louis Fair pronounced

DANDY Brooders and DANDY Poultry Houses

to be the best, most sensible Brooders and Portable Poultry Houses on the market. Write for free catalogue and prices before you buy—it tells the reasons why; it also lists our full line of novelties and supplies for poultry people

THE DANDY POULTRY NOVELTY CO., Danville, Ill.



MODEL POULTRY FARM

"The Pines" Has Every Equipment Known that is of Real Value to the Breeding of Fine Birds.

A Plant You Can Visit After Night as Well as by Day.

Friedman, Kieler & Co. and R. E. Jones, Known as Jones, "The Wyandotte Man, Doing Things at Paducah, Ky.

When we were asked to pay a visit to "The Pines," we expected to find a new plant, well equipped, but did not expect a plant so complete that improvements were almost impossible. When it comes to general lay of the land, perfectly constructed houses, conveniences for water, light and help, we doubt if there is one in the world its equal.

As for quality of stock, it goes without saying that every one knows who has been connected with the poultry business for the past twelve years what Jones, "the Wyandotte Man," has when fine quality is wanted. "The Pines" is owned by Friedman, Keiler & Co., the well known distillers of the famous "Brook Hill" whiskies, the whiskeys that "made Kentucky famous." Herr Friedman, Keiler & Co. and R. E. Jones known the world over as Jones "The Wyandotte Man," have opened up the poultry business in a way that does credit to the entire world.

Just a few minutes' drive from that beautiful and prosperous city of Paducah we find a most handsome country home set up on a gradual elevation where it is always dry, and ten minutes after a hard rain not a sign of a puddle of water to be found, we find the model poultry plant of modern times.

For the writer to tell all that is to be found there would take all this book, so we will not go into detail description of houses, but will give you a few of the most important improvements that took our eye. There are nine large buildings besides the office and many colony houses and every building is built the same as a dwelling house, weather boarded, paper lined and sealed with tongue and grooved sealing. These buildings are all especially designed for the purpose they are used and the illustrations will give you a better idea of what they are. I will call attention to the incubator house which is furnished with 14 modern machines, which gives them a capacity for 5,280 eggs at one time.

The brooder houses are complete in every particular, the large one is fitted with a tubular boiler hot water heater, which is the best brooder system to be found and has a capacity of 3,000 chicks. The other brooder house is fitted with up-to-date indoor brooders, 200 chick size, with capacity for 2,000 chicks.

The entire plant is lit with electric lights; every house from "The Pines" dwelling to the breeding houses have electric lights, even the barn and cow barn. You can turn a switch and light the entire plant or enter a house and there press the button and that particular house is lighted. The incubator house has a large light attached on a trolley which the operator can carry from one machine to the other and read the temperature, or by placing same in

the tester he tests the eggs.

One does not appreciate the value of this until he has it. Mr. Jones informs me that he does a great deal of his training of show birds after night. His large conditioning house has a light to every pen, here he handles his fine show birds and has them as gentle as lambs, poses them in all positions and he tells me that it is much easier to teach and gentle them by lamp light than by day light.

"The Pines" has its own water works which supplies water to all houses, where pipe lines have been laid and hydrants placed for this purpose, the dwellings and office have water piped in them, with bath connected. This water system consists of a large gasoline engine which pumps direct from a deep well into a stand pipe thus affording the strongest of pressure for all purposes, long lines of hose make the many beautiful flower beds always look fresh and full of bloom.

The birds we find at "The Pines" are of the usual high class that has always been prominent with Jones "The Wyandotte Man" that similarity of "The Strongest Blood lines on earth" is indeed very prominent in this noted flock and as Mr. Jones has always been in the habit of making one if not two big shows each season he informs us he will still continue along these lines and you may look out for him some place this winter. He has 200 fine birds consisting of Silver, Golden and White Wyandottes and to those looking for the best we will say try this old line bred strain.

Mr. Jones tells us he will breed 10 pens of each the coming season and to those desiring eggs he will be in shape to supply after January 1st.

In Collie dogs "The Pines" has some of the best blood in the world including a grand imported stud dog at the head of their kennels with a long list of fashionable bred matrons.

In conclusion I will say those desiring a handsome work of art, a book worthy a place in any library, which tells all about the grandest poultry plant in the country, gives full descriptions of all the different houses, and a book full of valuable information on breeding and mating Wyandottes, fully illustrated with handsome half tones, reproductions from life, of many of the noted winners of the world, birds with national reputations, send four cents in stamps, you will never regret it. This is just for the mailing. Send to R. E. Jones, R. F. D. No. 5, "The Pines," Paducah, Ky.

White Wyandottes.

Light Brahma Bantams

D. Lincoln Orr, Orr's Mills, N. Y.

EMPIRE **LEG BANDS** **PERFECTION**

Sample & poultry supply catalog for stamp.

EMPIRE—The old reliable. **PERFECTION**—Very light. Thousands in use. All sizes, easy to apply, sure to stay on. 12-15c; 20-25c; 50-60c; 100-75c. Price: 15-25c; 50-60c; 100-81c.

EXHIBITION and SHIPPING COOPS
made of the best seasoned bass wood. Light, yet very strong. Five sizes of shipping coops. All sizes of exhibition coops, folding and knock-down. Write us for prices.

EMPIRE MFG. COMPANY
Box A
LANARK, ILL.

SELECTING THE LOCATION.

A Few of the Many Things to be Considered Before a Permanent Selection is Made.

In selecting a location for a small farm on which to make a comfortable living with poultry and the side lines one prefers to take up, there are a great many things to be considered, and while what I may write on the subject may not fit anyone's conditions in very many ways, some things which have resulted from my experience and study of the subject may be of interest to some who are considering the subject of a location on which to begin operations for themselves.

Of first importance, I would consider the ownership of the property. Better buy the land on time with a land contract and pay interest on the amount while having an owner's privileges, than paying rent and improving the property for someone else's benefit. Of course, it is always best to be able to pay down the full amount on the land, for there is always more or less risk in starting any enterprise on borrowed capital.

The amount of land desired will vary as widely as our different ideas do of the best way to make a living from poultry and our favorite side lines. Some men would be satisfied with five or six acres and succeed, while more would want ten or twenty acres, and not a few would prefer from forty to sixty acres. The quality of the land and the method to be followed will have a great deal to do with deciding as to the number of acres needed. If one is satisfied to buy the bulk of the grain and feed used on the place, ten acres would be sufficient land for the poultry work and its adjuncts. But if one wanted pasture and hay land for a horse and a cow or two and a chance to raise most of the grain and a wood lot to furnish fire wood, it would be necessary to buy forty acres or more, depending on the character of the soil.

I am well aware that most poultry writers recommend a rather light, sandy or gravelly soil as the most desirable for poultry, and while I do not question its advantages, I do not think such a soil is without serious disadvantages for anyone who contemplates gardening, fruit raising or farming of any kind in connection with poultry raising. If a light soil of this nature can be had, that is underlaid with a good clay subsoil within eighteen inches to two feet of the surface, its ability to produce paying crops will be very materially increased, but without a clay subsoil, sand or gravelly soil requires constant feeding to keep it up, and even then cannot be depended on to produce well except of such garden and field crops as can be thoroughly cultivated through the growing season. If one's intention is to produce practically all the food required for the stock kept on the farm, then a soil that is rich and capable of producing heavy crops should be selected. This, of course, will mean the selection of a heavier quality of soil, but if care is taken to select ground that is particularly well drained for the poultry yards and the poultry buildings, the poultry can be as favorably located on such a plant as they would be on a sandy or gravelly farm, and on the heavier soil they will have the advantage of a better grass range, especially in dry seasons

when the sandy location will furnish little if any green food during the drouthy part of the summer. I have observed that there is a very noticeable difference in the thrift and vigor of all plant life on heavy soil, to that of the same species grown on light or sandy soil, and I am not certain but the same difference in constitution of animals would be traced to the differences in the qualities of the soil. At any rate, I believe it is a mistake generally to recommend light or sandy soils as best adapted to poultry. Between a sandy and gravelly location I should prefer a soil of a gravelly nature, for as a general rule such soils seem to have more substance and life in them than do those of clear sand.

Where one contemplates fruit growing or gardening if only for family use, a rather high location has many advantages. If the farm is situated on land considerably higher than farms surrounding it, the place will be comparatively free from the destructive late and early frosts in the spring and fall, giving one a considerably longer season for the development and ripening of the more tender fruits and vegetables. In a location of this kind the advantages of air drainage and a better circulation of air add to the healthfulness of the place, a point of considerable importance to the poultry keeper as well as the poultry. Low situations in basin-like places, where the air sort of stagnates, as it were, are places to be avoided, whether for poultry raising or residence purposes. In fruit culture, destructive insect enemies will be found much more troublesome on these low sheltered locations than on the higher land, where the air is nearly always changing and it is seldom but what some little breeze is stirring. The importance of this matter of air drainage cannot be fully appreciated without a careful study of conditions, but an elevated piece of land has many advantages from almost any standpoint of consideration.

For the purpose of poultry raising a heavily timbered section should be avoided on account of the trouble the hawks will give one while the chicks are growing each summer. A rather well settled country is preferable for this reason, where there are not any very large tracts of timber in one piece. Sufficient trees should be near by to protect the buildings and stock from the penetrating cold winds of winter, but not in such quantity as to furnish breeding places for the hawks—one of the poultry keeper's hardest enemies to fight. This is another subject that only those who have been up against the real thing in actual experience can fully appreciate.

I should not care to be more than one or two miles from the shipping or selling point where the products of the farm were to be disposed of, but far enough out so I could allow all young growing stock free range without interfering with the rights of nearest neighbors. The distance will depend very much on the size of the town one locates near. The smaller the town the closer to it one can be, and still be among the farms where there is plenty of elbow room.

The matter of climate is not of as much importance as the selection of the most desirable places in any given section, where the poultry keeper chooses to start in. Illinois, Indiana and the adjacent states seem to have more poultry

Williams' Shaving Soap. No other so soothing, healing, refreshing.

Sold everywhere. Free trial sample for 2-cent stamp to pay postage.

Write for booklet "How to Shave."

The J. B. Williams Co., Glastonbury, Ct.

1882 REED 1904

Light Brahmas

Gilt edge strain carefully bred 22 years. Birds of individual merit and winners in the leading show rooms. Cockerels and pullets for sale that will stand the test. Write me just what you want.

Henry T. Reed, Camp Point, Ill.

CRUM'S WHITE ROCKS

are not noted for their numbers but their quality. If you are looking for something choice write me and we will talk the matter over. A few pedigreed Belgian Hares. No catalogue.

DR. W. A. CRUM, Upper Sandusky, Ohio.

4 Firsts, 4 Seconds, 3 Thirds and Specials

at Peoria, December, 1903.

W. and B. Wyandottes & B. Rocks

EGGS from prize matings \$2 per 15, \$3.50 per 30, \$5 per 45. Buffs that are buff to the skin, Whites as white as snow.

RODD & FISH, R. F. D. No. 2, Peoria, Ill.

More Eggs for Less Feed Than Any Other Breed.

S. C. White Leghorns

At the great Chicago Show I won 3d cock, 1st hen, 1st cockerel, 1st pen and silver cup for best display. Eggs for hatching. Write for mating circular. No more stock for sale.

O. L. PUTNAM, Harvard, Ill., Formerly Lake View Poultry Farm, Walworth, Wis.

Buff Wyandottes.

Boston Winners.

MATTISON & DUTCHER.

C. S. MATTISON, S Shaftsbury, Vt.
F. J. DUTCHER, Hopedale, Mass.

Don't Let Your Little Turkeys Die

...USE...
The Wonderful Antiseptic Remedy and Tonic **Turkey-lene**
THE NATIONAL TURKEY-LENE CO., Washington, D. C.

OFFICIAL BANDS



for marking Poultry at the Louisiana Purchase Exposition are the

Smith Sealed Also used exclusively at the Pan American. Consecutive numbers, easy to read, never a duplicate made. Prices—12, 30c; 25, 50c; 60, 81; 100, \$1.50.



Climax costs less, sure to stay, handsome, light. Over a million in use. Prices—12, 20c; 25, 35c; 50, 60c; 100, \$1. Send stamp and we will mail you samples.

The Keyes-Davis Co., Ltd., Dept. B, Battle Creek, Mich.



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You'll send your order for **POULTRY PRINTING** direct to the ORIGINAL PULTRY PRINTING SPECIALIST. Years of experience in this one class of work insures absolute satisfaction with every order. Letter Heads, Envelopes, Cards, Circulars, etc., correctly printed at nominal prices, transportation prepaid. Unequaled line of cuts. Samples, etc., mailed free.

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Canada's BEST

S. C. BUFF LEGHORNS

at St. Louis won more prizes on male birds than any exhibitor. Also American Buff Leghorn Club silver cup for collection. Write wants. Nate K. Cornwall, Thamesville, Ont.

TOULOUSE GEESSE —AND— ROUEN DUCKS

There are no birds in this country as near the standard of excellence as ours. Farm raised. Prices reasonable.

LEE & CLEMSON, R. R. No. 2, Washington, Ill.

CHRISTOPHER STRAINS

You pay bigger prices but get no better birds. I have spent years in developing just two breeds—my favorites, **BARRED AND WHITE ROCKS**. Finely pointed birds of all ages and guaranteed fertile eggs at living prices. I solicit a trial order.

KICKAPOO POULTRY YARDS,
JAS. CHRISTOPHER, Prop., Heyworth, Ill.

..Partridge Wyandottes..

—BEAUTY, UTILITY—

"A thing of beauty is a joy forever." A splendid lot of **COCKERELS** and **PULLETS** for sale, bred from my **PRIZE WINNERS**. Last season, at the **LEADING MICHIGAN SHOWS**, my birds won **10 FIRSTS** and **6 SECONDS** in hot competition. They are **FINE IN SHAPE** and **GRAND IN COLOR**. Eggs in season. Write wants.

DR. C. M. BASKERVILLE, Mt. Pleasant, Mich.

AT THE WORLD'S FAIR

I exhibited four Pekin Ducks—cock, hen, cockerel and pullet. I won 1st cockerel, 1st hen and 4th pullet. Have never been beaten in show room. Eggs and stock for sale in season. I also raise Barred Plymouth Rocks. Duck eggs \$3 per 15; Barred Rocks \$2 per 15.

N. M. ODELL, Wichita, Kansas.

Allyn Farm Wins

At Walworth County Fair 16 firsts, 6 seconds. At the great Lake Geneva Poultry Show, Dec. 13-16, Thos. F. Rigg, judge, 23 firsts, 12 seconds, 6 thirds and 6 specials on our Cornish Indians, Light Brahmas, Indian Runners, Rouen Cayugas, Blue Swedish Ducks and White Chinese Geese. Prices reasonable and satisfaction guaranteed. White Holland Turkeys at a bargain.

ALLYN POULTRY FARM, Delavan, Wis.

\$9,000 Poultry Catalog

40 kinds Turkeys, Geese, Ducks, Chickens, fowls and eggs cheap. 100 grand pictures, 50 house plans. We make hens lay, cure disease, etc. Send 10 cts. for mailing catalogue. Incubators 30 days free trial. J. R. Brabazon Jr. & Co., Box 2 Delavan, Wis.



try keepers than some others, but the keeping of poultry for both practical and fancy purposes is rapidly becoming a recognized profitable business in all well settled portions of this country. Every section has its own points of advantage and disadvantage to be made use of and overcome, but there are few places from the frozen north to the sunny south or from the Atlantic to the Pacific where poultry cannot be made to pay as well or better than any other branch of farm work. In warmer sections the saving in the expense of buildings is a greater consideration now than it was before the prices of lumber advanced, but no one section has all the advantages. If the poultryman himself be satisfied on the matter of climate, its consideration otherwise will be of minor importance.

I have not dwelt on the matter of a well drained soil, because it is generally recognized by all poultry keepers that damp or wet places are entirely unfit for poultry. If the advice given above in the selection of an elevated piece of land for the farm is followed, as a general rule the matter of the drainage of the soil will take care of itself.

The two things of most importance, I would say, are a well drained soil and one where there is ample chance for good air drainage onto adjoining land.

Where poultry keeping exclusively is to be taken up, the question of soils is not of as great importance, but in the majority of cases more or less farming and gardening operations are carried on in connection with the poultry.

The importance of thoroughly considering the location of a poultry farm cannot be easily overestimated, for when once settled and the improvements made, a change cannot be often made without very considerable sacrifice. It is seldom ever that a piece of property will sell for enough more after it has been improved to anywhere near cover the expense of the buildings put up.

Truly fortunate is he who has the advantage of being able to select a place just to his liking, but many of us because of limited capital or family obligations are compelled to choose the best available location that circumstances will permit. This is not always as much of a hindrance as at first thought it may seem, for most every section of country presents quite a variety of conditions, and it is rarely the case that one cannot, by a careful search, find very desirable locations within the circumscribed limits that their conditions dictate.

Where fruit growing is contemplated

on a very extensive scale, especially tree fruits, it will be an advantage to have a northern or northeastern slope for the orchard, to protect the trees from the too direct rays of the sun during the early spring when the thawing and freezing is most apt to injure the trees.

When running water can be had without too much rough, waste or wet land, it is very desirable, but the quality and amount of water available should be carefully considered before deciding finally on any location.

I do not expect I have touched on every consideration in the selection of a location for a small farm, but I have mentioned the points which have appealed strongest to me. Personally, I should prefer a farm with a variety of soils of medium quality—I should not care for any real heavy clay or light sand, and I would prefer part of the farm to be rather low land for meadow and field purposes and the rest higher land for buildings, orchards and poultry raising. Whether we ever find our ideal location in this world may be quite a question, but the careful consideration of what constitutes an ideal location may materially aid us in selecting a place with many of these features which are most to be desired and will contribute to our happiness and success in one of the most pleasant and profitable occupations that the country-loving person can go into.

VICTOR D. CANEDAY.

Taylor's Falls, Minn.

SOME "MUSTY" TALK.

You must have early chicks to win at the fall fairs.

You must have a warm place to set the early "setter."

You must gather the eggs often this cold weather or those early chicks will not materialize.

You must give the hens warm water.

You must "do things" as well as plan, study and think.

You must read the poultry papers at night. Attend to your poultry in the day time.

F. W. OWENS.

Richwood, Ohio.

TRAP NESTS.

A good trap nest tells no lies, but gives the poultry keeper or fancier a whole lot of information about his hens which is worth a great deal to him in selecting his breeders. I use the Ideal trap nests to keep the individual pedigrees of my breeders and their egg records, and find them splendid aids in producing better birds each year for both business and beauty.

VICTOR D. CANEDAY.

Taylor's Falls, Minn.

In Europe goose livers are highly prized, bringing as much as \$4 a dozen. Newman think there would be money in raising goose livers for the New York market.

Unlike the drake, the gander does not have a curled feather in the tail.

MICA-CRYSTAL.

STANDARD POULTRY CRIT OF AMERICA.

THE PERFECTION SHELL MAKER AND GOLDEN YOLK PRODUCER.

White Quartz, 58 p. ct. Aluminum, 20 p. ct. Iron, 12 p. ct. Magnesium, 10 p. ct. DIGESTER. SHELL MAKER. YOLK MAKER. SHELL MAKER.

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WHITE LEGHORNS

...SINGLE COMB...

20 Fine Ckls. (Show Birds) For Sale \$3 to \$5.

Order direct from this ad and you will be pleased.

S. C. WHITE LEGHORNS

are the greatest layers in America, as well as prize winners, having made a great winning at the great Hagerstown fair. Eggs for hatching from prize winners \$3 per 15, \$5 per 30. Great laying pens \$2 per 15, \$3.50 per 30, \$6 per hundred. Mention A. P. J.

JOS. A. BURKHART,

Smithsburg, Md.

A ROMANCE IN POULTRY.

There is something about the chicken business that calls forth all the romantic instincts of the human race. A chicken crank, who has never kept chickens, will sit down and with a pencil and a sheet of paper, will figure out profits that will make a loan shark turn green with envy. But, unfortunately, the profits are purely on paper and always fail to materialize when put to practice. The habit of counting eggs and profits in chickens is so old that I should not care to take up valuable space in discussing it, except to remark that the late Phineas Barnum was right in asserting that the average American dearly loves a humbug.

But lately I came across an article in a periodical which has a large circulation among farmers in which the writer (the romancer I ought to call him perhaps) undertook to prove a fairy tale of profits which I think deserves attention. According to this romancer, who is a plain farmer, a certain poultryman of his acquaintance makes a fine living off poultry and never has to bother with the usual trials and tribulations of the average poultryman. This wonderful genius does not worry about hatching, about incubator brooders, about vermin or varmints, about diseases, about feed, about anything in fact. All he has to do is to rake in the shekels. This is how he does it. Says he (in *THE COUNTRY GENTLEMAN* of Nov. 24, 1904):

"his man is a professional exhibitor, and makes thousands of dollars every year at state, national and regular poultry shows. You may ask, does he raise or breed his own birds? No; not one-tenth of them. How does he do it? I believe I said once before that it is asserted that there are more varieties of Standard-bred poultry raised in Jefferson County than in any other county in the state. This man is well acquainted with all the breeders in this county and visits their flocks; and as each breeder has a different variety, he has no difficulty in purchasing, often at his own price, the choicest specimens in any of these small breeders' flocks; and as he is just as good a judge of a chicken as any judge (and a great deal better than most judges) he has no trouble in getting fowls that will score as high as any one. Another way he has is to purchase a sitting of eggs of some well-known and high scoring strain of fancy poultry, and then give these eggs to some farmer, or rather to some

farmer's wife, and let her raise the chickens for him at so much apiece; or let him have his pick of the lot and she to have the rest for her trouble. In this way he gets, at very small expense to him, a grand array of fowls of as many different breeds as he desires, coops them up, and from the time the first fair starts in September until the last poultry show closes in February, he exhibits chickens from one end of the country to another, and many times the bird which cost him \$2 he sells for ten times that amount to some fancier who has money to burn.

"His rule is, never to put a great deal of money into a chicken; then one cannot lose much. He has seen the case too often where a \$5 cock has won the prize over one which cost its owner ten times that amount. At the Wisconsin State Fair, this exhibitor won more money than any other four exhibitors, and it was a grand show of chickens, too, for that season of the year."

This is certainly interesting. There is nothing small about this fairy tale. Here we have it in black and white: "he makes thousands of dollars every year." How he does it is shown above. This poultry shark's balance sheet is not shown, but we have the bald statement that there is, say a couple of thousand dollars to the good shown every year. And so easy, too! How strange it is that we fellows who have been dubbing along year after year, raising our own birds, studying the Standard and keeping eyes and ears open to learn and improve, never happen to stumble on this get-rich-quick scheme!

But to an old-fashioned, old-fogy sort of mind like mine, there are one or two little conundrums in connection with this little game that need elucidation.

(A). How much actual cash gain is there in exhibiting poultry at a poultry show after you have paid for coops, for express, for entry fees and other incidental expenses—actual clean cash remaining? I may be wrong, but I always had an idea that a man was lucky if he came out even. I always thought breeders exhibited because of the pleasure it afforded them and because of the advertisement resulting therefrom.

(B). Can anybody furnish the address of those skillful breeders who sell exhibition birds for a mere song just before exhibition time? Where do those people live who sell a bird for \$2 that is worth ten times that sum? It is queer, but I

never happen to run across them, and I don't remember ever hearing of any fancier who ever did. I guess most of us would be willing to pay a handsome commission to any one who would put us next!

(C). How simple the eggs-for-hatching problem is, if you look at it the right way. The trouble with us fellows is we never have looked at it the right way. All you have to do is to get some eggs from a first class fancier (who probably has devoted years of time, labor and money to breeding up his flock), give them to a farmer's wife and call for your prize winners in the fall. In this connection there are several points to be observed: (1) Eggs from a strictly first class fancier—come cheap. They give them away in fact—glad to get rid of the pesky things! (2) The express companies carry eggs free and never jar or jolt them in passage. They are noted for this all over poultrydom. The papers are full of encomiums on these self-sacrificing, philanthropic express companies who are in business solely for their health and not to make money. In fact, they tumble over each other in their eagerness to settle claims for eggs damaged in transit. (3) Hatching and brooding chickens is such a simple matter that any farmer's wife can do it, and do it well. In fact the farmer's three-year-old kid could do it just as well. And there are no casualties ever happen to chickens on a farm. Horses never step on them, hawks shun them and they never drink from the barnyard pools. Every egg always hatches and becomes a prize winner in a hot show! So simple, so easy!

(D). There are numerous other conundrums that doubtless occur to any one who has ever had any practical experience in breeding exhibition fowls and exhibiting them, but I refrain. But before closing I cannot but wonder if the above described chicken shark ever sold chickens twice to the same man?

E. L. C. MORSE.

C. L. McFerren, Bellville, Ohio, has a change of ad this month. His White Plymouth Rocks are bred from prize winners and his S. C. B. Orpingtons are Cook stock direct. He has some choice stock for sale at very reasonable prices and guarantees satisfaction in every case. Look up his ad elsewhere in this issue and write him for prices and particulars.

\$135 FREE PRIZES \$135

First Prize, \$75 Shetland Pony. Second Prize, \$45 Pair of Poland-China Pigs. Third Prize, \$15 Pen of White Plymouth Rock Fowls.

These prizes will be given for the largest orders in cash received for poultry by Feb. 1, 1905. This is the greatest offer ever made by any poultryman. I have 2,000 head of pure bred fowls to sell, bred from my prize winners. Send for my catalogue which describes the prizes and prices on fowls. In order to give every one an equal chance living in different parts of the country, orders will be received and included in the contest that are postmarked Feb. 1, 1905.

FIRST PRIZE:—\$75.00 Shetland pony. Will be one year old next spring, beautiful bay color, sound in every respect, is a fine individual and a half brother to one I recently sold for \$75 cash and is good in every respect. The above pony will be crated and delivered to express company with shipping directions to send to the person who gives me the largest order or orders for poultry by Feb. 1, 1905.

SECOND PRIZE:—A pair of Poland-China pigs, valued at \$45, to the second largest order received from one person by Feb. 1, 1905.

THIRD PRIZE:—A pen of White Plymouth Rock fowls, cockerel and four pullets valued at \$15, to be given to the third largest order received from one person by Feb. 1, 1905. If party who gets this prize would prefer fowls of another variety, I will, if convenient, make a change. All the above offer and full information regarding my fancy poultry, Shetland ponies and Poland-China pigs is fully described in my new catalogue—the grandest and most complete catalogue ever issued in the world. One of the largest breeding establishments of poultry, ponies and hogs. Drawings and photographs of all the prize winning ponies, single drivers, match teams and four-in-hands of three State fairs and half-tone cuts of first prize and champion winners at World's Fair, St. Louis, 1904. It contains half-tone cuts of poultry houses, yards and bird's eye view of the whole establishment. It tells all about raising poultry, their diseases and cures and plans for building poultry houses, etc., with illustrations of poultry and prices of same; ninety pages and fifty illustrations. Fifteen years' experience as a breeder and exhibitor. This catalogue has been compiled at a great cost and will be mailed to any address upon receipt of 15c. Write to-day. It is worth many times the price asked. I have for sale 2,000 head of land and water fowls, 150 head of Toulouse and Embden Geese, 150 M. P. Ducks, also Rouen and Muscovy from my prize winning strain; 100 M. B. and W. H. Turkeys and over 1,500 land fowls. If you do not say that my catalogue is the finest you ever saw I will cheerfully refund your money.

GEO. A. HEYL, Washington, Illinois.

We Have Discovered The Secret

Sunflower Seed Will Make Hens Lay In Winter

It has been our good fortune to discover the secret. Nature, in her infinite wisdom, provided a plant, the seed of which will increase egg production and will assist poultry through the molting period. This plant is none other than the old-fashioned Sunflower that occupied such a cherished spot in our grandmother's garden. It is easily grown and will yield a good crop anywhere. The

American Giant Sunflower

which we have grown for years and have perfected to a high degree, with proper cultivation produces mammoth heads measuring from 2½ to 4 feet in circumference, weighing from 5 to 10 pounds each, and grows 3,300 strong, healthy plants to the acre.

Sunflower Seed is a natural feed for fowls—takes the place of "dope" mixtures. When properly fed brings birds through the molting season in one-half the usual time, with better plumage and better health than by feeding linseed meal, cottonseed meal, or any of the numerous "doctored" preparations offered for this purpose. It is nature's provision, works in nature's way, and produces natural results.

Last year we supplied seed to poultry raisers in every state in the Union and many in Canada. Results were so satisfactory the indications now are that we will have to hustle to fill orders for next season. However, we had a splendid crop and delight in hustling, so send in your orders early and be ready to plant an acre or more. Give it a thorough test, it will greatly increase your poultry profits.

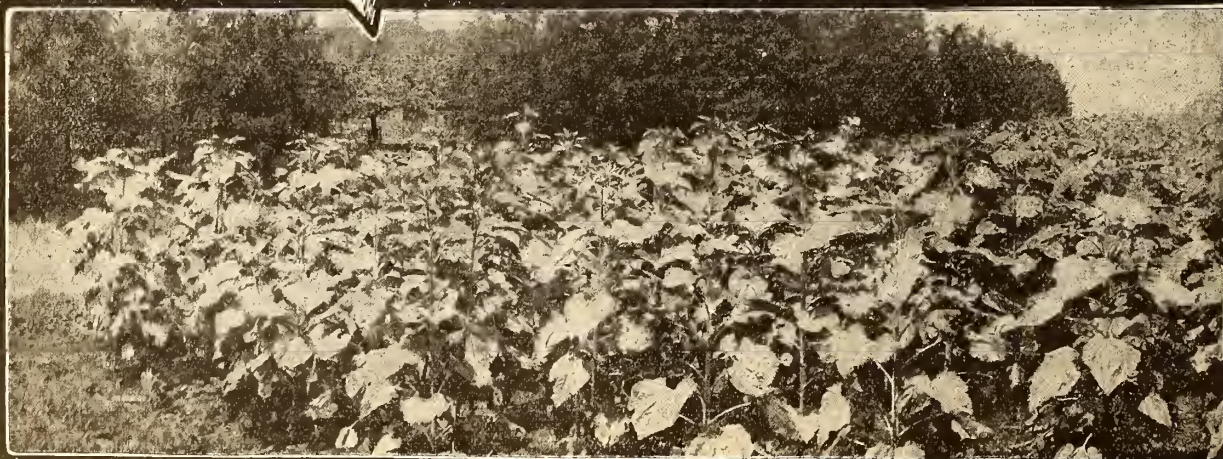
**We Send Enough to Plant an Acre, Express
Paid, For 50 Cents**

and send directions how to plant, grow and harvest, with each order. No order filled for less than 50 cents. Address all orders to

EDDY & EDDY

Proprietors
White Rock Poultry Farm

Mannheim,
Illinois



THE FUNNY SIDE OF POULTRY LITERATURE.

BY REV. C. E. PETERSEN.

Even a poultryman gets tired, every now and again, of information, and perhaps feels inclined to be thankful, when every now and again something with a laugh to it appears.

It is for this purpose that the present article has been written. For years we have gathered from all sources anything we came across on the subject in hand, and hereby present a part of it to the many readers of the AMERICAN POULTRY JOURNAL, who may in an idle moment, during a long winter evening, read and feel as pleased as we did, when here and there in our varied reading, we came across these little bits of amusing verse and anecdote.

THE GOOSE A NATIONAL BIRD.

The following, from *Bench and Bar*, took place when Judge Thacher was a member of the House of Representatives of the United States. A bill was reported on the subject of American coins, which made provision that one side of them should bear the impression of an eagle. Mr. Thacher moved that the word eagle should be struck out wherever it occurred and the word *goose* substituted. He rose to support the amendment, and with great gravity stated that the eagle was an emblem of royalty, and had always been so considered. "It is a royal bird Mr. Speaker, and the idea that it should be impressed upon our coinage is inexpressibly shocking to my republican feelings. Sir, it would be grossly inconsistent with our national character. But the goose, sir, is a republican bird—the fit emblem of republicanism. Ever since I became acquainted with classic lore, sir, I have remembered with ever new satisfaction, that it was the cackling of a flock of these republicans which saved the greatest city in the world, and always since I have felt disposed to greet every goose I have seen as a brother republican. These reasons, sir, upon which I could enlarge very much, are, in my view, conclusive in favor of the amendment proposed, and I hope our dollars will bear the impression of a goose, and that goslings may be put on the ten-cent pieces." When the amendment was proposed, every countenance was relaxed into a smile. As Mr. Thacher proceeded to state his reasons, there was a universal peal of laughter loud and long. Unhappily, the member who reported the bill—and who must certainly have been a goose himself—thought that all the laugh was at him. The next day he sent a friend to Mr. Thacher with a challenge.

When the message was delivered, and the reason told, Mr. Thacher replied: "Tell him I won't fight."

"But, Mr. Thacher, what will the world say? They may call you a coward."

"A coward," said Mr. Thacher, "why, so I am, as the world goes, and he knows that very well, or he would never had challenged me. Tell him I have a wife and children who have a deep interest in my life, and I can not put it to such danger without their consent. I will write them; and if they give their permission I will accept his challenge. But no," he added, "you need not say that. Tell him to mark

Great Sacrifice Sale

Of Thoroughbred Young Stock

2000 Grandly bred youngsters from prize winning ancestors will be sold far below their real value. They represent the most fashionable and up-to-date breeding strains and will surely prove a rich investment to the purchasers at the ridiculously low prices for which they are offered. There is scarcely a bird in the entire lot that is not actually worth from two to four times the price for which I am selling them.

I must sell them and will do so regardless of their rightful values.

MUST BE SOLD THIS MONTH, So don't loose this splendid opportunity of securing these genuine bargains

ORDER TO-DAY

To-morrow may be too late

NOW IS THE TIME

They won't last long

Read this great bargain offer

600 WHITE PLYMOUTH ROCKS

All royally bred and many of them will develop into prize winners in the hottest kind of competition. **READ MY GUARANTEE**

500 BARRED PLYMOUTH ROCKS

Individually fine—breeding extra fine. The kind no breeder need be ashamed to have in his yards. If you don't want them after carefully examining them—well **Read My Guarantee.**

500 WHITE WYANDOTTES

Bred in the purple—"like begets like"—heavy layers. Snow white and stay white beauties. Fit for any company, and **Backed Up With My Iron-Clad, Never-Broken Guarantee.**

400 SINGLE COMB WHITE LEGHORNS

The bred-to-lay-and-win kind. An extra choice lot for the money and the biggest kind of bargains. You can't make any mistake in buying these birds at twice the price. **Don't Forget My Guarantee.**

Sacrifice Prices

You can have your choice of any variety mentioned above at the following prices: No restrictions as to amount or kind. I will sell the whole 2000 birds to one man if his order is received first. First come, first served. **They all go—nothing held in reserve.**

Cockerels, each - - - \$3.00

Any variety, as long as they last

Pullets, each - - - - 3.00

Any variety, as long as they last

Trios, 1 cockerel and 2 pullets 7.00

Any variety, as long as they last

Pens, 1 cockerel and 4 pullets 10.00

Any variety, as long as they last

GUARANTEE

My absolute, iron-clad, never broken guarantee---It's good.

Perfect satisfaction guaranteed in every particular or money and express charges will be cheerfully returned and no questions asked

The first orders received will get first pick—but this stock is all good and worth double the money. Send money with order. No orders sent C. O. D. **Read my guarantee. Its as good as gold.**

CONGRESS PARK POULTRY YARDS

Clarence Ward, Prop. Box 123 CONGRESS PARK, ILL.



Eg-get

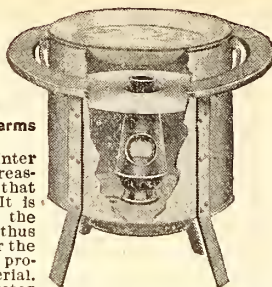
Poultry Fountain

For Winter Use—Prevents Freezing and Warms Drinking Water.

Cracked ice or ice water is not good for winter egg production. A plentiful supply of reasonably warm water is the best stimulant that can be provided for winter egg laying. It is better than prepared foods. It makes the ordinary grain feed worth twice as much, thus furnishing the necessary nourishment for the body and a surplus to provide the egg producing organs with the necessary material. Eggs contain a very large amount of water.

and fowls will not drink enough of ice water to supply what is necessary. Write for circulars and price or ask your dealer to order.

IOWA INCUBATOR CO., Box 102, Des Moines, Iowa.



600 "Ringlet" B. P. Rocks

BEST IN THE WORLD

100 Show Birds fit to win in hottest company; and you talk about breeders—we have 500 that we can truthfully say that they positively have the color, shape, size, legs and combs. Our prices are right, and to prove it we ship on approval. Please write your wants plainly. **EGGS after March 1st.**

KING BROS., Lock Box 174, Oshkosh, Wis.

Only Four Hours' Ride From Chicago.

Accompanying photo from life. One of our prize winners at Wisconsin State Show, January, 1904. Weight, 11 lbs.

What Does the Dealer Say?

Does he say, "I sell you fence at factory prices?" No! He pays factory prices himself, consequently has to add a profit in order to make any money.

Does he say, "take the fence and use it for 30 days and then bring it back if you are not perfectly satisfied?" No! He could not do this if he wanted to.

The factory has sold him the fence and they must have their money. He has to sell the fence for cash or negotiable notes in order to pay the factory.

Does he say, "I have 26 styles of fence to choose from?" Not much! He usually has only two or three styles. He cannot afford to carry any more styles in stock. In order to carry a stock of 26 styles it would require a vast amount of capital, much more capital than one dealer out of one hundred has.

The Mail Order Fence Factory---The Advance Fence Company

says "yes" to all of the above questions, for it is our method of doing business. We sell you Advance fence at factory prices—the prices the dealer has to pay.

We make you individually a wholesale buyer. We go further—we sell you fence on 30 days' free trial. This free trial method is the fairest selling proposition ever made by any fence factory.

By this method you can take the fence you order, set it up and be satisfied, or send it back at our expense and we will refund your money. We pay all freight on the fence. You know exactly what your fence will cost you delivered at your depot.

We make 26 styles of Advance Fence which we sell by mail—a style, height and weight of fence for every purpose. You can get just the very fence you want from us—nothing that does after a fashion—but just the thing.

You get a better guarantee from us than from anybody else. We guarantee every rod of fence we sell, and as our advertising is done only in reliable publications—papers that guarantee their subscribers against loss by dealing with people who advertise in their columns, it makes two guarantees in one.

You cannot risk a cent in buying direct from a factory that is as well known as ours.



Advance Fence has double strength top and bottom strands and is made with a continuous stay wire which is wrapped twice around each line wire as it passes across the fence and is twisted with the salvage from one stay to the next thus leaving no loose ends. There is a slight crimp in the line wire where the stay is wrapped around it. This provides for expansion and contraction and makes it impossible for the stay wires in the Advance Fence to slip, slide or bunch as will stay wires cut at top and bottom of the ordinary woven wire fence.

There are many important things to know about Advance Fence—its construction, its price, our method of manufacturing and selling—too many things to put into an advertisement; but these things are all told in our free fence book, which is mailed upon request. You should send for this book at once. It will start you on the road of becoming a wholesale or factory buyer.

ADVANCE FENCE CO., "The Mail Order Fence Factory," 1347 Old St., Peoria, Ill.

out a figure of my size on some wall, and then go off to the honorable distance and fire at it; if he hits within the mark, I will acknowledge that he would have hit me had I been there."

The gentleman laughed, returned to the challenger, and advised him to let Mr. Thacher alone, for he believed that if they should fight, and Thacher were killed, he would in some way contrive to get the laugh upon his opponent that he would never get over. The point of honor was abandoned, and thus ended what might have, with another man than Mr. Thacher, for the opponent, been a more serious affair.

THE HEN.

Was once a hen of wit not small
(In fact, 't was not amazing),
And apt at laying eggs withal,
Who, when she'd done, would scream and bawl,

As if the house were blazing.
A turkey-cock, of age mature,
Felt thereat indignation;
"T was quite improper, he was sure,
He would no more the thing endure;
So, after cogitation,
He to the lady straight repaired,
And thus his business he declared:
"Madam, pray what's the matter,
That always, when you've laid an egg
You make so great a clatter?
I wish you'd do the thing in quiet;
Do be advised by me and try it."
"Advised by you?" the lady cried,
And tossed her head with proper pride,
"And what do you know, now I pray,
Of the fashions of the present day,
You creature ignorant and low?
However, if you want to know
This is the reason why I do it:
I lay my egg, and then review it."

—MATT. CLAUDIUS.

DRIVING A HEN.

When a woman has a hen to drive into the coop, she takes hold of her hoops with both hands, and shakes them quietly toward the delinquent, and says, "Shew there." The hen takes one look at the object, to convince herself that it's a woman, and then stalks majestically into the coop, in perfect disgust with her own sex.

A man don't do it that way. He goes out of doors and says, "It is singular nobody in this house can drive a hen but myself." And, picking up a stick of wood, hurls it at the offending biped, and observes, "get out there you thief." The hen immediately loses her reason and dashes to the opposite end of the yard. The man straightway dashes after her. She comes back again with her head down, her wings out, and followed by an assortment of stovewood, fruit-cans, and coalclinkers, with a much puffing and very mad man in the rear. Then she skims up on the stoop, and under the barn, and over a fence or two, and around the house, and back again to the coop, all the while talking as only an excited hen can talk, and all the while followed by things convenient for handling, and by a man whose coat is on the sawbuck, and whose hat is on the ground, and whose perspiration and profanity appear to have no limit. By this time the other hens have come out to take a hand in the debate and help dodge the missiles—and then the man says every hen on the place shall be sold in the morning, and puts on his things and goes down the street, and the woman dons her hoops, and has every one of those hens housed and contented in two minutes, and the only sound heard on the premises is the hammering by the eldest boy as he mends his broken pickets.

THE SHANGHAIS.

The shanghi reuster is a gentile, and ginrally speaks in a forun tung. He is built on piles like our Sandy Hill

erane. If he had bin bilt on legs he wud resembul the Peruvian lama. He is not a game animal, but quite often comes off sekond best in a ruff and tumble fite; like the Injins that kant stand civilization, and are fast disappearing. Tha roost on the ground similar to the mud-turtle. Tha often go to sleep standing, and sumtimes pitch over, and when they dew they enter the ground like a pickaxe. Their feed consists uv corn in the ear. Tha crow like a jackass troubled with the bronkee-sucks. Tha will eat as much tu onst az a district skule master, and generally sit down rite oph, tew keep from tipping over. Tha are dreadful unhandy to cook; you have to bile one end of them to a time, you kan't git them awl into a potash kittle tu onst. The female reuster lays an egg as big as a kokee-out, and is sick for a week afterward, and when she hatches out a litter of young shanghis, she has to brood over them standing, and then cant cover but three uv them. The rest stand around on the outside like boys around a circus tent, gitting a peep under the kanvas whenever they can. The man who first brought the breed into this country ought to own them all and be obliged tew feed them on grasshoppers caught bi hand. I never owned but one, and he got choked to death by a kink in a clothes line, but not till he had swallowed eighteen feet ov it. Not any shanghi for me, if you please; I would rather board a traveling colporter, and az for eating one, give me a biled owl rare done, or a turkee buzzard roasted hole, and stuffed with a pair of injun rubber boots, but not enny shanghi for me, a shanghi.

JOSH BILLINGS.

THE EGGS.

Beyond the sunny Philippines
An island lies, whose name I do not know;
But that's of little consequence, if so
You understand that there they had no
hens;
Till, by a happy chance, a traveler,
After a while, carried some poultry there.
Fast they increased as any one could wish,
Until fresh eggs became the common dish.
But all the natives ate them boiled—they
say—
Because the stranger taught no other way.
At last the experiment by one was tried—
Sagacious man—of having his eggs fried.
And, oh, what a boundless honor for his
pains,
His fruitful and inventive fancy gains;
Another, now, to have them baked devised—
Most happy thought—and still another,
spiced
Who ever thought eggs were so delicate?
Next, some one gave his friends an omelette.
"Ah," all exclaimed, "what an ingenious
feat?"
But scarce a year went by, an artiste
shouts,
"I have it now; ye're all a pack of louts;
With nice tomatoes all my eggs are stewed."
And the whole island thought the mode so
good
That they would have cooked them to this
day,
But that a stranger wandered out that
way.
Another dish the gaping natives taught
And showed them eggs cooked *a la Huguenot*.
Successive cooks thus proved their skill
diverse;
But how shall I be able to rehearse
All of the new delicious condiments
That luxury, from time to time, invents?
Soft, hard and dropped, and now with
sugar sweet,
And now boiled up with milk the eggs they
eat;
In sherbet, in preserves; at last they tickle
Their palates fanciful with eggs in pickle.
All had their day—the last was still the
best.
But a grave senior thus one day addressed
The epicures: "Boast, ninnies, if you will,
These countless prodigies of gastric skill—
But blessings on the man who brought the
hens."
Beyond the sunny Philippines

Our crowd of modern authors need not go
Newfangled modes of cooking eggs to show.
—Translated from the Spanish.
And here we will bring to a conclusion

these random selections, with a promise
that we will come again, some future
time.

KAYE'S S. C. BLACK MINORCAS

Pure Northnp Strain, bred for heavy layers. At the recent Chicago December Show won 1st cock, 1st, 2d cock-
erel, 1st, 2d, 3d hen: 1st, 2d, 3d, 4th pullet; 1st pen. Pens score 155 65-100. Large, vigorous cockerels for sale.
splendid for breeders or show birds. Eggs in season, \$2 per 15. Address,
A. B. KAYE, State Vice-President Black Minorca Club, Kaye's Park, Walworth, Wis.

EXHIBITION S. AND W. WYANDOTTES



winners at Chicago, Indianapolis, Pittsburg, Cleveland
and Columbus. Line bred for nine years. Young and
old stock, fit to win in any company, now for sale. Fine
breeders, \$2 up. Also S. C. W. Leghorns (Van Dreser
Strain), and W. P. Rocks (Fishel Strain). Satisfaction
guaranteed or no sale. Write to-day.



WEST VIEW POULTRY FARM

W. C. Brookover, Box 21, Carlwlick, O.

BUFF WYANDOTTES

The best general purpose fowl and one that is extremely profitable to the fancier. The
Royal Strain is unexcelled as egg producers and the best for all other purposes. Seven out
of ten firsts at two shows attended last season—including four at Chicago. Indian Runner
Ducks—the money makers.

W. R. WOODEN, Battle Creek, Mich.

BAIR'S BARRED ROCKS

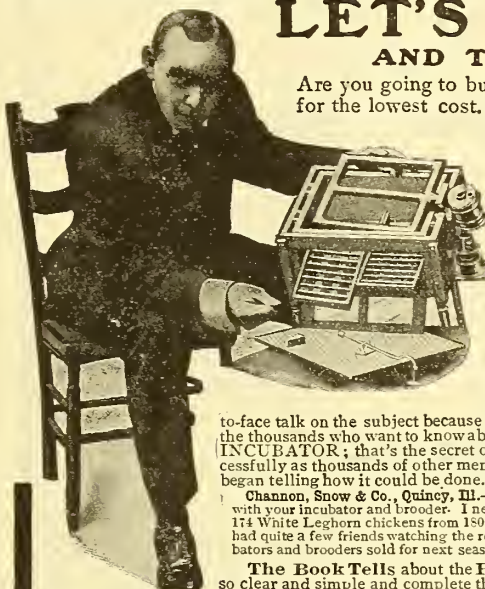
are daily proving their claim of being LEADERS FOR EXHIBITION AND
UTILITY. Since 1901 they have won in my own and customers' hands 316 regular
premiums. In my hands they won on every bird entered at Pan American Ex-
position, Missouri and Kansas State Shows and at the big Kansas City Shows,
and finally in the great World's Fair Show. In Missouri's awards I won on every bird
entered, winning 9 regular premiums, 1st and 2d cock, 3d and 4th hen, 4th and 5th cockerel,
4th and 5th pullet and 2d pen. In my yards the 200-egg hen is a reality. Lady Pan, the great-
est living hen, has a record of 247 eggs for year 1903 and 11 blue ribbons won in the largest
shows of the country. I have for sale fine cockerels from Lady Pan pullet line, and extra
fine cockerel breeding pullets. In exhibition birds I can fit you for any show. Let me
know your wants.

L. O. BAIR, 2721 Cherry St., Kansas City, Mo.

LET'S SIT DOWN
AND TALK IT OVER

Are you going to buy an Incubator? You want the best
for the lowest cost. I want you to know about our

New Idea Incuba-
tors and Brooders



If I could sit down with you, take one of
our machines apart and show it to you,
piece by piece, I would have no trouble in
interesting you. No machine on the mar-
ket deserves your confidence more than the
New Idea. THEN when I told you
that you could get it for less than ONE-
HALF THE COST of other machines
and showed you just how this saving is
made I would be sure of your order.

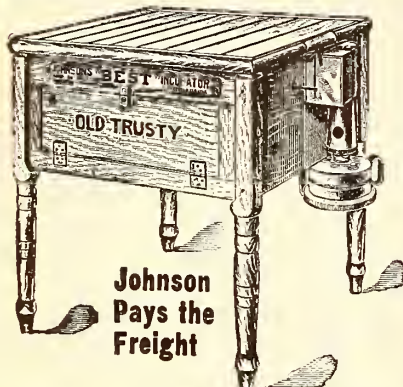
This is the spirit in which we have
written Our New Book, "How to
Make and Save Money with In-
cubators and Brooders." It is a face-
to-face talk on the subject because we cannot in any other way meet and talk to
the thousands who want to know about the New Idea. BUILD YOUR OWN
INCUBATOR; that's the secret of saving half, and you can do it just as suc-
cessfully as thousands of other men, boys and women have done since we first
began telling how it could be done. Read what this man says:
"Channon, Snow & Co., Quincy, Ill.—Dear Sirs: I told you I would report my success
with your incubator and brooder. I never thought they could be built so cheap. I have
174 White Leghorn chickens from 150 fertile eggs and they are all doing well. I have
had quite a few friends watching the results of your machine, and I have now five incu-
bators and brooders sold for next season. F. GEO. FARLINGER, Detroit, Mich.

The Book Tells about the Plans for Building Incubators and Brooders
so clear and simple and complete that you can't possibly go astray. Besides we
furnish you the parts you cannot make like Tank, Heater, Lamp, Regulator, etc.
and we guarantee that no factory-made Machines have better fixtures than yours. Everything we fur-
nish is of the very best. You need a brooder too. Our method enables you to get an Incubator
and Brooder at less cost than a factory-made Incubator alone. Other features of interest in
the book: "Why factory-made Incubators are Expensive," "How to Get Your Incubators Free,"
"Give the Boy a Chance," "Full Instructions for running Incubators and Brooders," etc. It's full of facts helpful to
the experienced and invaluable to the beginner. Get the Book! Write for a copy today and begin planning carefully.
Start right! Saving on the cost of your Incubator and Brooder is the best kind of money-making. A postal will bring
the Book. It's free. Contains more genuinely New Ideas than any Incubator catalogue of the year.

CHANNON, SNOW & CO., Dept. C, QUINCY, ILLINOIS.

Old Trusty Incubator.

The new machine by an old hand. Made by Johnson, the Incubator Man. Only a year old, and it didn't have to be improved for 1905. Johnson made it right to begin with.



**Johnson
Pays the
Freight**

You Can't Know Too Much About Johnson's Pay-for- itself Hatcher.

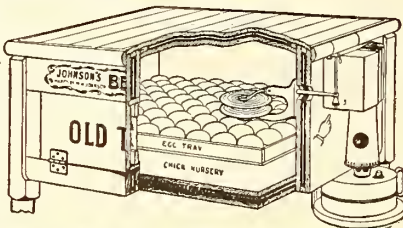
The more you know about it the better you like it. Johnson wants you to know all about it. **Take a square look at the cuts and read:**

Made of select California redwood and 12-oz. cold-rolled copper. Miller Safety Lamp, Taylor Bros.' guaranteed incubator thermometer, double doors, sides, bottom and top. There could be no better material or construction.

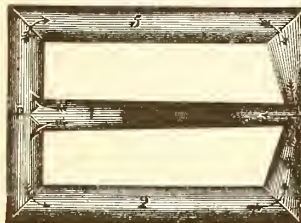
Forty Days Free Trial

And Johnson Guarantees Every Machine 5 Years.

This cut shows the workings. Johnson's system is planned for results and convenience. Note positions. All parts below the level of the lid, leaving the lid for a table. Automatic regulator comes already attached and connected, a single adjusting nut on the outside of the machine. The double wafers well out over the eggs and down close to them. Regulator counter-balanced within itself.



Copper Pipe Heating System

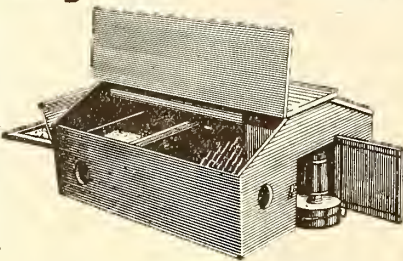


Patented
Oct. 20, '03
and
Feb. 16, '04

he hot water discharged to opposite end of the egg chamber, divided and returns back to boiler, No. 7. Pipes 2 and 5 and 1 at point No. 4 equal in radiation to pipes 2 and 5 at any point. Boiler No. 7 fitted with patent return hood, saves half the kerosene and draughts of air do not affect the lamp.

The Old Trusty Brooder

Made of best California redwood, never shrinks, swells or pulls apart at joints. Miller Safety Lamp in solid iron lamp box, no gas can enter chick chamber. Inclined floor prevents chicks from piling up. Enough heat under floor to take chill off. Note the hover cloth frame, partly withdrawn. Chicks hover under cloth warmed from above. Chick backs are warmed and sleepy nerves soothed the natural way. Chicks don't pile up, chill or become overheated.



Nearly 13,000 Old Trusties

Incubators and Brooders, used the first season. That's the record for a new machine. The only machine that ever got into the first rank the first year. They went out on Johnson's long trial plan and with Johnson's guarantee. They went at a reasonable price, too, for you know

JOHNSON PUT INCUBATOR PRICES DOWN.

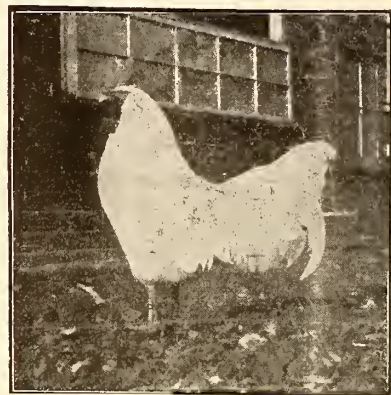
None came back for no better machines can be made at any price. Johnson has made 80,000 Incubators and Brooders. He put all his experience into his new **Old Trusty**—the only machine he has anything to do with now. Get his new catalog and Advice Book. Over 100 pages, 300 reproduced photographs, records, house and yard plans, etc. Mailed **FREE**.

M. M. Johnson Company, Clay Center, Neb.

HOW MUCH CAPITAL REQUIRED TO MAKE A LIVING IN THE POULTRY BUSINESS?

This question is usually asked by people who have a few hundred dollars and want to invest it so they can make a living from the start. Now for a person without experience to invest all they have in the poultry business is not a very safe plan. The better way is to start with a few hens, which can be kept on a city lot, get the best stock or eggs you can afford to buy; get an incubator and a brooder or two. Don't buy the cheapest, but the best. If you don't have room to raise all the chicks sell them right out of the incubator or brooder. Give your small poultry plant all the time and study possible. The object for a beginner is to get experience and in this way they can continue with their present occupation and make a start in the poultry business.

There is no branch of farming more profitable than egg farming. The crop can be gathered every day in the year and are the most salable product possible to produce. When I commenced selling eggs here first I fed the fowls so



S. C. WHITE LEGHORN MALE.
Owned and bred by Jno. C. Plane, Belvidere, Ill.

they would produce rich, fine flavored eggs and every egg was fresh and clean. Then I sold to wealthy people that wanted the best and was willing to pay for the same. They were so well pleased they told their friends and soon the demand was greater than the supply. Broilers and roasters are sold to the same people. Every year I add more buildings and stock but cannot supply the demand.

To be successful get good stock or eggs and good warm dry buildings.

Have the north side not over five feet high and all outside walls as near air tight as possible with windows and curtain rightly arranged. With liberal feeding a good supply of eggs can be had in the coldest winter weather. The feeding question is a puzzle for the amateur. He tries everyone's system, then don't know just which is the best. This is the one that gives me best results: First in the morning, warm water, then for each pen of 15 Leghorn hens or pullets one quart of mixed grain, this is equal parts, by measure of wheat, corn and oats, this is warm (not hot, just warm). The floors of the pens are covered with two inches of dry sand, over this 6 inches of straw and marsh hay, the grain is scattered in this litter. There is a general rush for the corn. When the corn is gone the other

grains are well mixed in the litter so they are busy for some time. At noon, one pint of this mixed grain is fed in the same way. After the noon hour we scald eight quarts of fine cut clover hay, cover and let it remain on the stove: one hour before dark mix this scalded clover with eight quarts bran, eight quarts middlings, eight quarts No. 1 feed, that is corn and oats, equal parts by weight ground together, two quarts oil meal, handful salt. The dry parts are all thoroughly mixed in the mash trough with a garden hoe then the clover is mixed in and just enough hot water used to make it wet. We feed all the birds will eat of this mash. Then we go through the pens with some warm corn and give them all they will eat. The evening feed should be a full one. The winter nights are long and the birds are on the perch, without exercise. I keep beef scrap, bran, oyster shell and grit in feed boxes at all times. This is the third winter with this system of feeding and am well pleased with the results. Remember that clover and meat are absolutely necessary for winter egg production. Also that the poultry business is easy to learn with the excellent journals and books. Invest a few dollars in up-to-date literature, a few hens or eggs for hatching and after one year's experience you will know how much to invest and how to invest it.

Marinette, Wis. W. C. COFFMAN.

CARE OF STOCK FOR FERTILE EGGS.

Now is the time to select your breeders for 1905. Choose type and shape first above all. Pick those well developed and showing vigor. Select the females, if possible put them in pens, as they will be used in mating and breeding. Do not allow Hens and Pullets to run together. Hens will get fat and a fat Hen isn't desirable now. See that they have plenty of fresh air, clean quarters. Keep them working in clean litter, give mash in morning, scatter little grain in litter; wheat is best. Let them out on the ground when weather permits, but not when it is storming, cold and damp. Fowls must have exercise, fresh air, pure water when confined in cold weather or you will have trouble getting early chicks. The male should have the same care as to feed, etc. Mate them at least three weeks before you want to commence hatching. Wheat, oats, barley make good grain ration. Corn should be used sparingly. Cooked vegetables are good for the mash. Peas are also good cooked, added to mash. They must have grit and green food. Do not crowd them at any time.

Cleveland, Ohio. M. E. WURTS.

I have cockerels this season, hatched last of March and early in April, that weighed 8 to 10 pounds in November. Also pullets, same age, weighing 6½ to 7 pounds. Think their quick growth, large frames, etc., caused chiefly by allowing them free access to food at all times after they were weaned from brooders and placed in roosting coops, in edge of corn field. I fed cooked mash at night and kept Chick Feed and wheat in boxes for them to eat during the day, substituting cracked corn for Chick Feed as they grew older.

MRS. TILLA LEACH.
Cheneyville, Ill., 1 Main st.

1854 - 1904

WALTHAM WATCHES

ALWAYS FAITHFUL

If you do not want to spend much money, yet want a reliable watch, one that is strong and durable, and one that will not get out of order, get a WALTHAM—

"No. 820" or "V" MOVEMENT

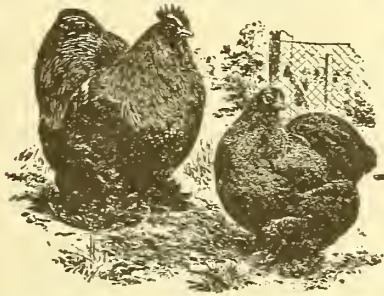
For Men

For Women

It is the time-keeping quality that determines the worth of a watch. So whatever kind of case you fancy, be sure of the movement.

For sale by all Jewelers

AMERICAN WALTHAM WATCH COMPANY,
WALTHAM, MASS.



PARTRIDGE COCHINS

The Noted New York Winners

Seventeen cocks and 75 hens of grand exhibition birds. Fine lot of April and May youngsters. Old birds will be through moult, and youngsters mature for late fall and early winter delivery.

GEO. W. MITCHELL,

BRISTOL, CONN.

The Great Question

for the next few months will be, "What Incubator shall I buy?" If we could talk with you face to face and explain the many advantages of the

Perfected Von Culin

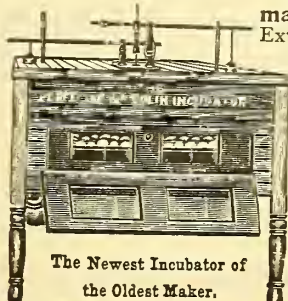
the question would be answered most satisfactorily to us both. This machine is the result of practical experiments and tests extending over a period of 30 years. The inventor Mr. C. Von Culin is widely known as a pioneer in incubation. He built his first machine in 1873 and has been continuously in the manufacture of incubators and brooders ever since 1885.

The result is the most perfect and simplest machine on the market. Kiln-dried Lumber, Extra Thick and Packed Double Walls, Full

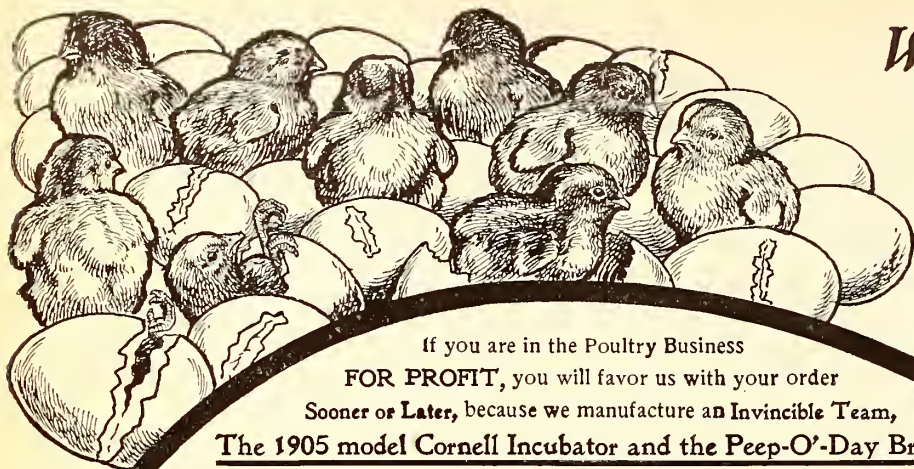
Sized Heaters, Metal Safety Lamp, Improved Thermostat absolutely controls heat, Tested Thermometers, and a first class Egg Tester. It takes only about ¼ as much oil to run this machine and your hatches will run about 20 per cent higher. A big saving every year. You won't quarrel with the price.

Our "Boiled Down" Catalogue tells you what you want to know, simply and in the fewest possible words. It is a time saver. We send it free. Write to-day.

WAYLAND INCUBATOR & MFG. CO., Box 53, WAYLAND, N. Y.
Sole Makers of Von Culin Incubators and Brooders.



The Newest Incubator of
the Oldest Maker.



*When you see the
CHICKS
TUMBLING OUT
OF THEIR SHELLS
IT'S THE
CORNELL!*

If you are in the Poultry Business
FOR PROFIT, you will favor us with your order

Sooner or Later, because we manufacture an Invincible Team,

The 1905 model Cornell Incubator and the Peep-O'-Day Brooder

We offer, with a Happy New Year to you, the following notable improvements in our 1905 model Cornell Incubator :

Controllable Moisture Device (Patent applied for) : Supplies the indispensable moisture and avoids "Dead Chicks in the Shell," that curse of "Non Moisture" machines.

Quadruple Action Thermostat (Patent applied for) : Sensitive as a thermometer and responds as sharply to the Heat variations.

Automatic Ventilation (Patented) Supplemented by Our Safety Valve : Makes our system positive, dependable and precludes the possibility of deadly Carbon Dioxide banking in the egg chamber.

Uniform Heating System : Pours pure, moist, warm air into the machine and insures absolutely uniform temperature at all levels of the egg chamber.

Galvanized Iron Heater : Stayed interiorly with iron castings and outwardly protected by a solid cast iron crown.

Removable Nursery Trays and Egg Chamber Top : For the purpose of airing, washing, sunning and cleaning.

Table Top (Patented) : Of solid one-inch chestnut, protects the Regulator Arm from all outside interference.

Felted Compound Door (Patented) : Prevents the heat from sifting through.

Piano Fitting Legs : Adjustable without tools or trouble.

New Peep-O'-Day Outdoor Brooder and Colony House Combined.

Is a useful addition to our Now complete list of Peep-O'-Day Brooders, Coops and Portable Poultry Houses. They have given uniform satisfaction during the past 14 years, and have well earned the name of "Chick Life Preservers."

Our Food Mill is grinding Night and Day. Our Chick Food, Scratching Food and Mash are the best that skilled labor and sound grain can produce. **Our Clover and Alfalfa Products** are of the New Crop and of the highest quality.

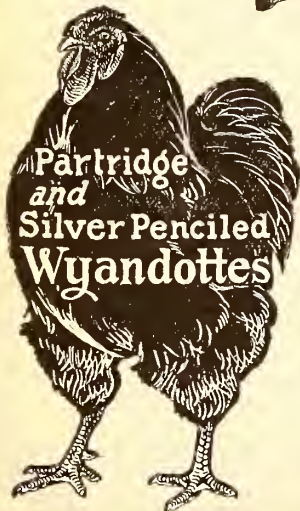
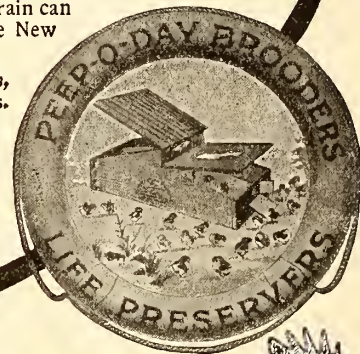
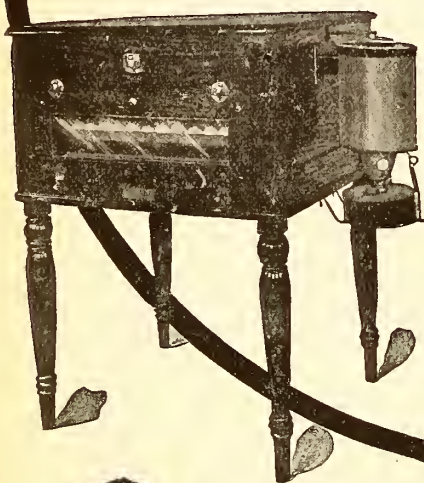
We make **Lice Paint, Lice Powder, Disinfectants, Roup Cure, Poultry Remedies, Appliances and Supplies.**

WE MANUFACTURE THE BEST OF EVERYTHING THE
POULTRYMAN REQUIRES.

Send for our Catalogue and Book of Reference
for Poultrymen. Free for the asking.

Cornell Incubator Mfg. Co.,

Box G Ithaca, N. Y., U. S. A.



MY ENTRIES AT THE

World's Fair; St. Louis, 1904, Show Won

NINE FIRSTS,

Ten Seconds, Five Thirds, Three Fourths,
One Fifth, One Sixth, One Seventh,
One Silver Cup, Five Specials (\$125).

"QUALITY COUNTS."

Write for what you want.

Catalogue Free.

E. G. WYCKOFF,

Box 6

Ithaca, N. Y.

We take pleasure in offering to the Users of the

CORNELL AND PEEP-O'-DAY INCUBATORS

\$5000.00 IN GOLD

To be won in **EQUITABLE COMPETITION** and to be divided into 135 Prizes as follows:

CAPITAL PRIZE,	\$1000.00
Second Prize,	500.00
Third, Fourth and Fifth Prizes, of \$250 each,	750.00
Five Prizes of \$100 each,	500.00
Ten Prizes of \$50 each,	500.00
Forty Prizes of \$25 each,	1000.00
Seventy-five Consolation Prizes of \$10 each,	750.00
135 Prizes,	<u>\$5000.00</u>

We make this unprecedented offer to the users of the **CORNELL AND PEEP-O'-DAY INCUBATORS** with the specific object of instilling into their minds the desirability of operating our Machines strictly according to Illustrated Directions.

THE 1905 MODELS OF THE CORNELL AND PEEP-O'-DAY INCUBATORS ARE THE BEST MACHINES IN THE WORLD

The instructions are clear, precise, positive. Equipped with a Perfect Incubator accompanied by *Positive Working Instructions*, every user **MUST** obtain a highly satisfactory hatch. It is up to **YOU**, then, to carry off one of the 135 premiums *Aggregating \$5000.00 in Gold*, to be competed for between

JANUARY 15th AND AUGUST 15th, 1905.

The reports submitted by the contestants will be examined and passed upon by a jury consisting of the following well-known gentlemen:

HENRY H. WING of Cornell University, Professor of Animal Husbandry,
JAMES E. RICE of Cornell University, Ass't Professor of Poultry Husbandry.
Senator E. C. STEWART, Ithaca, N. Y.

THE PREMIUMS WILL BE PAID IN GOLD ON OCTOBER 15, 1905.

Our factory, comprising five buildings and covering 59000 square feet of floor space, is busy night and day and orders can only be filled in rotation. Order early to get the full benefit of the time limit in the Cornell Contest. A booklet explaining the conditions will be mailed upon request.

Cornell Incubator Mfg. Co.,

10 Brindley Street,

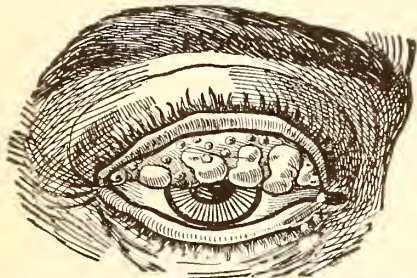
ITHACA, N. Y., U. S. A.

Sore Eyes Cured Free

Famous Lotion that is Absolutely Harmless and
Positively Cures Sore Eyes, Granulated
Lids, Wild Hairs, Ulcers, Cataracts,
Bloodshot, or Inflamed or
Tired Eyes.

It Makes Weak Eyes Strong and Gives Instant
Relief to the Burning Pain or Soreness of
Strained Eyes or Eyes Hurt by Night
Work—Send Your Name and
Address To-day for Free
Package.

The cures being made by this magic lotion every day are truly remarkable. Mrs. B. A. Hubbard, Plum Point, Tenn., tells of her cure in a month with this lotion after all doctors and remedies had failed for five years to cure her. To-day she can see perfectly out of both eyes. Rev. M. H. Blackman, the well known pastor of Ovid, Pa., was cured of a



Bad Case of Granulated Lids Cured By Prof.
H. T. Schlegel's Magic Eye Lotion.

case of granulated eye lids that had resisted for years all attempts of doctors to cure. Mr. Geo. W. Byers, Owensboro, Ky., was cured of ulcers and wild hairs with this lotion after all other remedies had failed. Dora Casey, Chicago, was cured of granulated lids, for which doctors treated her for five months steady, but failed to cure. Dr. J. W. Angell, of Iowa, one of the oldest and best-known doctors in the west, suffered with granulated lids for seven years. He tried every remedy, but failed to cure until he used Prof. Schlegel's eye lotion and one bottle gave him more relief than all the remedies he ever tried. Dr. J. O. Gabler, of Peoria, Ill., suffered from childhood with granulated lids and was cured in a month with this famous lotion. G. Klopfer, the well-known florist of Peoria, Ill., suffered for years with weak, watery and sore eyes and spent hundreds of dollars with doctors. One bottle of Prof. Schlegel's Magic Eye Lotion cured him. It stops pain instantly. It contains no Cocaine nor other harmful drugs, and it cures every case of sore or weak eyes, and cures to stay cured. The Professor is very glad to send a free package of his remedy to any one who suffers with their eyes. Write to-day to Prof. H. T. Schlegel, 670 Mackinaw Bldg., Chicago, Ill., and be cured.

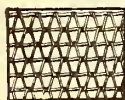
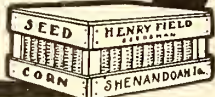
\$5.00 WORTH OF SEEDS FREE

I want to get in touch with every buyer of seeds. My plan of giving \$5 worth of tested seeds free, is worth knowing. It includes a chance to make more dollars. Send for catalog and get packet of choice flower seeds FREE. A postal will do it.

HENRY FIELD

Box 48

Shenandoah, Ia.
"The Ear-Seal-Corn Man."



FENCE STRONGEST
MADE. Bull-
strong chick-
en-tight. Sold to the Farmer at Wholesale
Prices. Fully warranted. Catalog free
COILED SPRING FENCE CO.,
Box 82 Winchester, Indiana.

Shows, Associations and Clubs

Secretaries are requested to send us the latest news and
announcements for this department.

THE CINCINNATI SHOW.

The Cincinnati Poultry and Pet Stock Association will hold their seventh annual show at Music Hall, Cincinnati, Ohio, January 17th to 21st, 1905. After six successful seasons in which the entries have steadily increased they are in better shape than ever to offer inducements to fanciers and breeders to attend this exhibition and have arranged their premiums on a liberal basis. The entrance fee remains the same as last year, and includes cooping and feeding. All coops will be of uniform pattern and the show will be arranged in classes.

Music Hall is well arranged for exhibiting poultry, pigeons and all pet stock, and is easily reached from all parts of the city. The attendance has increased each year, and with the recent rapid growth Cincinnati promises to become one of the best show cities in the west.

BOSTON SHOW.

The officers for the Boston Poultry Association for the year are as follows: President, Francis H. Appleton, Lynfield, Mass.; Vice Presidents, George B. Inches, North Grafton, Mass., Edward Brooks, Milton, Mass., Oliver Ames, North Easton, Mass., Augustus Hemenway, Canton, Mass.; Secretary and Treasurer, Samuel H. Roberts, Pawtucket, R. I. Executive Committee—C. Minot Weld, Readville, Mass., Walter C. Baylies, Taunton, Mass., Arthur R. Sharp, Taunton, Mass. Superintendent of poultry T. Farrer Rackham, East Orange, N. J. Superintendent of pigeons, C. E. Twombly, Boston, Mass. The officers are the same as in the past with the exception of the secretary and treasurer. This means that the show to be held in Mechanic's building Jan. 17-21, 1905, will be run the same as the shows have been and every effort will be made to make the coming show equal to any of the previous efforts. But then everyone knows what the Boston show is and what the management stands for. It requires a large number of judges to pass upon the birds in this, America's greatest show, and the management has always secured the best talent obtainable. The special judges that have been engaged for the coming show are as follows: J. T. Cothran, New Rochelle, N. Y., Hamburgs; W. C. Denney, Rochester, N. Y., Buff Plymouth Rocks and Buff Wyandottes; Dr. N. B. Aldrich, Fall River, Mass., R. I. Reds; S. W. Rogers, Brockton, Mass., Partridge Wyandottes; W. R. Graves, Springfield, Mass., White Wyandottes; Halstead Seudder, Glen Head, L. I., Barred Plymouth Rocks; George H. Northup, Raceville, N. Y., Single Comb Black Minorcas. These judges have been engaged for these special classes but they may be assigned to additional classes. The remainder of the classes will be judged by the following: Sharp Butterfield,

Windsor, Ontario; W. B. Atherton, Randolph, Mass.; H. B. May, Natick, Mass.; Henry S. Ball, Shrewsbury, Mass.; C. A. Wheeler, Brighton, Mass.; J. F. Watson, Nashua, N. H.; H. H. Bumford, Waltham, Mass.; T. F. McGrew, New York; P. Williams, Taunton, Mass.; T. F. Rackham, East Orange, N. J.; George V. Fletcher, Belmont, Mass.; J. H. Drevenstedt, Johnstown, N. Y.; R. G. Bailey, Newark, N. J.; W. J. Stanton, New York, and J. F. Crangle, Simsbury, Ct. The pet stock will be judged by T. C. Turner of New York and the cats by T. F. Rackham. The pigeon judges will be announced later. The management believes that this is as strong a list of judges as was ever invited to judge a poultry show. The prize money will be the same as in the past—\$5 for first and \$2 for second, and there will be the usual long list of cash specials. There will be a score of the \$100 champion cups for competition, a new one being added this year for the best male Partridge Wyandotte.

HOLYOKE, MASS.

The poultry breeders of Holyoke, South Hadley Falls, Fairview, Granby and Chicopee, met at K. of P. hall Saturday night and formed an association to be known as the Holyoke Poultry and Pet Stock Association. The meeting was largely attended and much interest was shown, and organized with the following officers: President, Robert P. Cunningham, of Holyoke; first vice-president, Fred Childs, of Holyoke; second vice-president, H. S. Williams, of Chicopee; secretary and treasurer, Geo. Barnett, Jr., of Holyoke; directors, S. A. Anderson, of Holyoke; George A. Lamb, of Holyoke; James Beattie, of South Hadley Falls; George F. Eastman, of Granby, and A. C. Chapin, of Chicopee. The various committees were appointed to find suitable hall, by-laws, etc. The club starts off with a membership of about 60, with the indications that it will reach 100 by next meeting, which will be held at the same hall Saturday evening, Dec. 17.

DETROIT, MICH.

The International Poultry, Pigeon and Pet Stock Club of Detroit, Mich., will hold their second annual exhibition in the Detroit Light Infantry Armory Thursday, January 12th to 19th, 1905.

Judges—T. F. Rigg and W. C. Denny. Awards by score card. Uniform cooping.

Liberal cash prizes, payment of which before the close of the show—same as last year—is guaranteed.

State Silver Cups and Club Ribbons of the American White Plymouth Rock Club and the National White Wyandotte Club, a handsome silver cup for Buff Plymouth Rocks, open to all, and a valuable silver cup for the best white bird in the show; also the club ribbons

of the American S. C. Brown Leghorn Club, the American Orpington Club, and The Blue Andalusian Club of America.

Judging will be completed and ribbons up before show is opened to the public.

Special ribbons for the most typical shaped birds in every class, together with specials for most perfect heads in several popular classes, will be a feature.

At close of show exhibits can be shipped direct to big Chicago show, if desired, arriving in ample time for opening.

Entries positively close January 7th, 1905.

A postal will bring you a premium list.

S. Z. HARROUN, Secy.,
269 Harrison Ave.,
Detroit, Mich.

TWO BIG SHOWS IN ONE.

The Ohio State Poultry Association has decided to join the exhibition of the Dayton Fanciers' Club in the Armory, at Dayton, O., on January 25 to 31, 1905. This combination means that this will be one of the greatest exhibitions of poultry ever held in the Middle West; over \$150 in cash has been put up in special prizes, besides numerous other specials. With entry fees at only 50 cents, which includes cooping and feeding, this show ought to bring out a good string of birds. As the space is limited to 1,600 birds, entries must be made early. Theodore Hewes, the well-known judge, and other prominent judges are scheduled to place the awards.

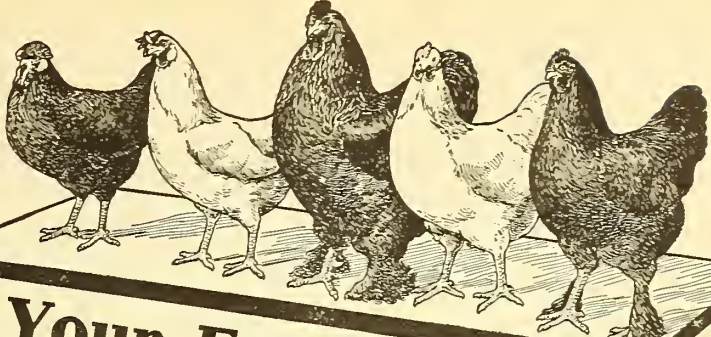
As the Dayton Fanciers' Club is noted for its square dealing, and the fulfilling of its promises, exhibitors will get all that is coming to them. The secretary, Mr. Lenz, is an old fancier, and will give his undivided time to the show. This means that birds will have his personal attention and the best of care. Entries are already in from eighteen different states, and every variety in the Standard will be represented. Specials from ten different clubs will be up, several of them having this as their state meet. Make your arrangements to put this show on your list. The secretary will mail you premium list and entry blanks on application. Address: Carl W. Lenz, Reibold Building, Dayton, O.

KANSAS WHITE WYANDOTTE CLUB MEETING AND SHOW.

The club met and organized Dec. 14, 1904. Following is list of officers: President, J. M. Beecher, Jr., Belleville, Kan.; first vice-president, W. A. Dunn, Great Bend; second vice-president, Mrs. Dr. Wilson, Nickerson; secretary-treasurer, Mrs. M. M. Ginnette, Florence; registrar, W. J. Carson, Dalton.

The show was a hot one, there being 203 White Wyandottes, quite uniform, and running from 93 to 95½, there being many ties of from two to four people. This class was almost one-third of the show. Mrs. Dr. Wilson won the National W. Wy. Club Silver Cup. She and Beecher & Beecher were a tie, but the cup went to her under the weight clause.

The most important action by the club was the formation of a "Kansas White Wyandotte Peerage," a register of Standard-bred, heavy laying birds with their pedigrees and egg records. The details of the plan are in the hands of



Your Egg Money.

It makes a lot of difference to you whether your hens are laying only enough eggs to pay for the feed they eat or whether they are doing well enough to make you a good profit. To get the most eggs and make the most money, keep your hens in the best condition.

STANDARD POULTRY FOOD

(It Makes Poultry Pay)

will keep your entire flock in that prime condition which means health, vigor, eggs and profit. It is the great condimental food for poultry of all ages and of all kinds. It makes poultry pay, because it takes a place in the feeding ration that nothing else will. It is vitalizing and nutritious.

A larger package for the price than any other poultry food on the market. Two sizes, 25c and 50c.

Trial Offer

If we have no agent in your town, write us for our special trial offer, which we know will interest you. We make **Standard Insect Powder**.

Standard Stock Food Co., 1529 Howard St., Omaha, Neb.

Mrs. A. H. Hansel, Loup City, Neb., says: "The best is none too good for my poultry. I am using Standard Poultry Food with good results."

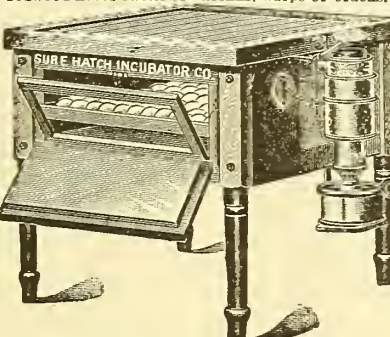
I. Brittendahl, Fremont, Neb., by using Standard Poultry Food secured 466 eggs from 23 hens last January.

STANDARD POULTRY FOOD
IT MAKES POULTRY PAY
COLUMBIA INCUBATOR CO. U.S.A.

SURE HATCH INCUBATORS

Hatch Chickens Every Time; Hatch Live Chickens; Hatch Every Fertile Egg

Cost little to run. 30 cents in oil brings off a hatch. Easy to operate—a child can do it. Make big money on small investment. Last a lifetime. Built of California redwood. Three walls, asbestos lined; solid as a rock, yet very light. California redwood never swells or shrinks, warps or cracks.



Asbestos is the proper lining for incubators—reflects heat from top of machine onto the eggs. Mother Nature way. Have 12-ounce cold-rolled copper pipe heating system; makes steady, even heat all around sides and over top. Copper water heater has 138 square ins. heating surface; largest heating surface ever put on an incubator, insuring perfect temperature at minimum cost. Regulator on inside of machine, already adjusted. Cannot be knocked out of position or broken. Everything about the Sure Hatch Guaranteed by \$100,000 for Five Years. The Sure Hatch is

SOLD ON 60 DAYS' TRIAL

which gives you an opportunity of taking off two batches, and thoroughly trying machine. Over 50,000 in use and giving satisfaction.

100-egg (actual size 120) with all improvements worth having on an incubator, shipped to your station, freight prepaid east of the Rocky Mountains, for..... **\$10.00**

Most liberal offer ever made by any concern. Send \$10.00 and we will ship machine at once. You have privilege of trying same for 60 days. If not satisfactory money will be refunded. Shipments can be made immediately. If you live east of the Mississippi river, address Indianapolis, Ind. If west, Clay Center, Neb.

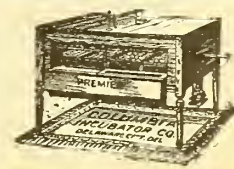
Free Catalogue now ready. Address

Sure Hatch Incubator Co., Box 67, Clay Center, Neb.; Box 1067, Indianapolis, Ind.

OUR STANDARD INCUBATORS

Sold direct to purchasers at lowest prices. **NO AGENTS.** Latest double-wall 250-Egg Nursery Incubator and Brooder. Everything complete, with Directions and Plans, for **\$28.00** cash. **Satisfaction guaranteed.** Reference, Delaware City National Bank. Set of Poultry House and Brooder Plans, 10c. Large 130-page Poultry-book, 50c. Prompt shipment of anything ordered.

COLUMBIA INCUBATOR CO., Delaware City, Del.



the officers, two of whom are breeders of thoroughbred trotting horses.

In referring to Kansas White Wyandottes in the future it will not be correct to say "A chicken is a chicken." They will be "Specimens of thoroughbred live stock," thank you, and their breeders are pursuing their work in as scientific and business-like manner as are the breeders of any other live stock.

Kansas to the front again!

BEECHER & BEECHER.

Belleville, Kan.

POULTRY ASSOCIATION CHANGES NAME.

A number of members of the Fitchburg Poultry Association met recently at Leominster and voted to transfer the association from Fitchburg to Leominster on account of inconvenience of hall in Fitchburg, also to name it the Leominster Poultry Association. The show will be held at Music Hall, Leominster, Feb. 8-10. The officers elected are: President, A. A. Tisdale; vice-president, M. H. Bosworth; auditor, I. C. Greene; superintendent of hall, F. D. Burdette, all of Leominster; secretary, Henry A. Benedict; vice-president, J. A. Ashline; treasurer, J. Lee Frost, Fitchburg; vice-president and assistant secretary, L. H. Brown, Lunenburg.

NOTICE.

The annual meeting of the American Leghorn Club will be held at Madison Square Garden, New York, Jan. 5, 1905, during the New York show.

Specials to Members—Five silver cups.

Cup on Single Comb Leghorns; member winning most points must have cock, hen, cockerel and pullet.

Cup on Rose Comb Brown Leghorns; member winning most points must have cock, hen, cockerel and pullet.

Cup on Single Comb White Leghorns; member winning most points must have cock, hen, cockerel and pullet.

Cup on Rose Comb White Leghorns; members winning most points must have cock, hen, cockerel and pullet.

Cup on Single Comb Buff Leghorns; member winning most points must have cock, hen, cockerel and pullet.

W. W. BABCOCK,

Sec. and Treas., Bath, N. Y.

ROCHESTER, MINN.

A very successful show was recently held at Rochester, Minn. This was well patronized locally and was considered a great success. The judging was done by G. D. Holden, who spoke in very complimentary terms of the exhibits.

ROCKFORD, ILL.

The Rockford Poultry and Pet Stock Association will hold their show Jan. 6-21, 1905. D. T. Heimleach has been secured to do the judging. For premium list and other information address the secretary, Chas. S. Gilbert, Rockford, Ill.

EVANSTON, ILL.

The Skokie Fanciers' Association of the north shore towns, north of Chicago, will hold their first annual show Feb.

2-4, 1905, at Evanston, Ill. The association now has a membership of sixty-five. A prominent feature of the show will be an exhibition of dogs. Dr. F. S. Childs, of Winetka, Ill., is secretary-treasurer. Premium lists will be ready Jan. 1.

KANKAKEE, ILL.

The Kankakee Poultry and Pet Stock Association will hold its fourth annual exhibition Jan. 11-17, 1905. Ben S. Myers, judge.

They are offering \$40 cash as specials, and cash premiums on single specimens in every class—\$3 first and \$2 second.

Write E. P. Vining, secretary, Hospital, Ill., and get a list telling all about it.

TO GOLDEN WYANDOTTE BREEDERS.

The question is so often asked, "Why are not the Golden Wyandottes more popular when they are such grand fowls?" This question is easily answered.

It is simply because the breed has never been pushed.

Unless those who are breeding this variety will unite their energies and try to give the Golden Wyandottes the prominence of which they are worthy they never will receive their just deserts.

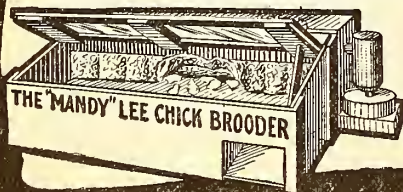
Let me ask, why are the White Wyandottes so popular? There are two reasons. First, they are grand fowls and worthy of the attention of poultry

The "Mandy" Lee

INCUBATORS AND BROODERS

"There's no use talking, you've got them all skinned on Incubators and Brooders," said a prominent Chicago poultry-raiser a few days ago. "I thought I saw some good machines at the 'Big Show' in St. Louis, and I did, but nothing to compare with the 'Mandy' Lee." **Have you seen them?** If you haven't, it's time you had. There are **nine** separate and distinct improvements on these machines, and every one of them is worth **dollars** to you—any one of them alone is worth more than the price of the machine—the perfect circulation of the air; the safety device for the lamp; the protection we furnish to the chicks in the egg-chamber; the invaluable and life-saving sub-nursery, the most valuable improvement that has been made on an incubator for years; and the nursery proper, with the door in the bottom, which permits the transferring of the chicks to the brooder without opening the front door of the incubator at all. These are a few, and only a few, of the many points of superiority to be found in these machines. We say **these** machines because every one of these ideas is original with us and fully protected by patents and will therefore not be seen on any other line of incubators or brooders. They are so simple and yet so valuable that you will only wonder why some one has not thought of them before. There are no sickly chicks here—no cripples. Every chick goes out of the incubator and into the brooder in perfect condition.

If you have ever tried to raise "motherless" chicks you know how important a good brooder is. There isn't much satisfaction in hatching out 100 chicks and then losing 50 or 75 per cent of them in a brooder. The fault is not always with the brooder, but quite frequently it is. It won't do to put chicks in a box full of hot air and then expect them to keep warm with the same air they breathe. **Direct Contact Heat** to their bodies is what they must have, and they get it in its most perfect form in The "Mandy" Lee Brooder; they "feel the felt," so to speak, and get just as much heat as they desire—get it when they want it and where they want it—on their backs—just like the old mother hen would give it to them, and at the same time they may have their heads out in the fresh air if they want to. That is what makes them strong and healthy and it is the kind of a life they lead in this brooder of ours. All of these things are explained in detail in our handsome new catalogue that we want to send you free of charge.



May We Send You a Copy?

GEO. H. LEE CO., BOX 71, OMAHA, NEB.

breeders; second, back of this variety are two strong clubs! One of these clubs alone has almost twice as many members as any club in America that is behind any other breed. The results of such an organization have been almost phenomenal.

All the club efforts that could possibly be brought to bear on some varieties could not make them popular, simply because they do not possess desirable qualities. This is not the case, however, with any of the varieties of Wyandottes. Their qualities are such that make them desirable, especially as a general purpose fowl.

The Golden breeders have appropriately been termed "The Beauty Breed" on account of their beautiful plumage. While they have this beautiful plumage, they also have all the good qualities that belong to Wyandottes in general, and the beauty "thrown in for good measure."

Now, fellow breeders, let us unite forces as we never have before, and try to put new life into the club which is young and growing. Send in your name for membership, and one dollar as membership fee, and try to get other Golden breeders you may know to do likewise. We are soon to get out a club circular which will contain the names of the club members, so join now that your name may appear in this list. By so doing you will let Golden breeders of the country know that you are one of them.

A. W. DAVIS,

Secretary of Golden Wyandotte Club.

Big Rock, Ill.

ANGOLA, IND.

The catalogue for the Tri-State Poultry and Pet Stock Association show, to be held January 18-21, 1905, is now ready for distribution. Write for one to the secretary, H. M. Crain, Angola, Ind.

The Silver Wyandotte Club cup for Ohio has been transferred from the Columbus show to the Toledo show. Sharp Butterfield has been added to the list of judges at the Toledo show.

Officers of American R. C. B. Leghorn Club for 1904 and '05:

President, W. W. Kulp, Pottstown, Pa.; Vice President, Sara A. Little, Clyde, N. Y.; Sec.-Treas., Fred Alger, Waukan, Wis.

Executive Committee: E. D. Pierson, Addison, N. Y.; Dr. Paul Kyle, Flushing, L. I.; R. D. Button, Canastota, N. Y.; Bert B. High, Detroit, Mich. Mrs. Clara S. Bissell, Montrose, Pa.; F. W. Brooke, Ithaca, Mich.

Advisory Board: Abt, Adam, Berlin, Oklahoma; Buss, Roy H., East Ackworth, N. H.; Cook, J. W., Ponteo, Ind.; Courter & Son, Delaware, Ohio; Doan, William J., Frost, Ohio; Fritz, Mrs. E. E., Bellville, Wis.; High, Bert H., Police Headquarters, Detroit, Mich.; Hogeboom, S. B., Ontario, N. Y.; Hummel, S. A., Freeport, Ill.; Harroun, F. M., Spencerport, N. Y.; Jones B. D., Sandy Creek, N. Y.; Klock, Mrs. Lillie A., West Burlington, N. Y.; Loehr, Charles, Malvern, Ohio; Moore, Fred, Jr., Youngstown, Ohio; Milhous, C. R., In-

dianapolis, Ind.; Mendenhall F. G., Cooperstown, Pa.; Norrys, Myra T., Ridgewood, N. J.; Radcliffe, W. J., Williamsfield, Ill.; Reed, Dr. F. M., Wyandotte, Ill.; Randolph, Mrs. J. L., Cutler, Ohio; Schulz, John C., Station D, Route 1, Milwaukee Wis.; Shaw, Fred H., Utica, N. Y.; Tabor, Floyd C., Worcester, N. Y.; Voight, Henry E., Hamburg, Wis.; Watson, H. C., Clyde, N. Y.; Noyes, B. Buffum, Greenfield, Mass.

With the advent of new officers comes the beginning of the new year for our club. Be charitable towards the failures of the outgoing officers and resolve that you will assist the new ones in every way in which it is possible. There is one point in which the club is thoughtless. It is expected that the secretary should do all the work, kindle all the enthusiasm and bear all the blame and yet not a penny of compensation is hinted at. This thing should stop here and now. It should not be necessary for him to be obliged to ask that the dues be paid. As members we have no more right to neglect to pay our dues than he has to refuse to receive them.

One thing which helps all breeds is "the good word spoken in season." Remember at least once during the year to write a short article for some of the poultry or agricultural papers calling attention to some of the merits of our breed and thus win it friends. There will be no trouble in finding good things to say.

I hope that each member will feel in honor bound to send in the name of at

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The New Standard of Perfection, which will soon be issued by American Poultry Association, is in such demand that the sooner you get your order in the better chance you stand of getting one of the first editions. The Standard is a necessity to every poultryman. It is the authority which judges go by at the poultry shows. It describes every standard variety, giving the correct shape, size, color, etc., that a perfect bird should be. With a copy of this book you can judge your own fowls. It enables you to know your best birds, which to take to shows, which to mate for best results. The book will contain over 300 pages with nearly 100 illustrations. The price of it made by the American Poultry Association is \$1.50.

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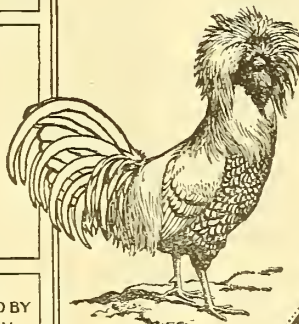
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is the mainstay in fruit, for all raisers. Plant for the future. Get right stock. Our trees unapproached. Ben Davis, Gano, Baldwin, Wine Sap, etc. Summer, Fall and Winter Apples, over 100 varieties. Tell us your wants and get prices.

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We urge that great favorite, Elberta. Large, beautiful golden yellow, delicious. Best for market, most prolific. All the choice varieties. We propagate in the greatest peach climate of the world. Trees always please. Ask for free 1905 catalogue of all fruits.

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If you are interested in poultry you want this book. We will send it to you absolutely free. It tells how to make poultry houses, yards and incubators. How to produce eggs when prices are high; how to preserve eggs; how to treat poultry diseases, and lots of other invaluable information for anyone owning chickens. If you want this practical poultry book, profusely illustrated, simply send us your name. Enclose a 2-cent stamp to pay postage. Commercial Poultry, 6711 Washington St., Chicago.



OUR NEW BOOK

ON POULTRY for 1905 is the most practical book ever published on the care of poultry in health or disease. Gives best plans for houses, how to feed for more eggs and how to MAKE BIG MONEY. Send 15c for mailing. Fowls and eggs for sale cheap.

JOHN BAUSCHER, Jr., Box 130 Freeport, Ill.

least one new member before the beginning of a new year. It would help the breed greatly if more of the members would show their birds so that we might know where the best stock is to be found. There is no advertising medium so good as the show room, no criticism so perfect as the comparison of our own birds with others.

In retiring let me thank you all for unfailing courtesy and patience. During the summer the pressure of my own business has crowded out nearly everything which I had planned to do for the club. Mr. Alger will take up

lowest score was 91½ and the highest 96. They had four males score 95 and 95½, several females scoring over 95, one going to 96. These, with their famous 96½-point cock, which Judge Rhodes says is the finest Langshan he ever saw, gives them the finest lot of Langshans in the country.

Messrs. Miller & Son are certainly to be congratulated on the fine showing that they can make.

More interest is being taken each year by local fanciers and the membership in the association has doubled



THE CHAMPION CHALLENGE CUP WINNER, BOSTON, 1903.

Sire of the splendid pullet awarded 2d prize at St. Louis Exposition. Bred and owned by C. E. Petersen, Franklin, Me.

the work with enthusiasm and do much which was impossible for me.

Again thanking you for all your kindness I am Yours truly,
Clyde, N. Y. SARA A. LITTLE.

The Central Missouri Poultry Association held a show at Boonville, Mo., Dec. 13-16, '04, and was a success in every way.

Chas. G. Miller & Son, Boonville, Mo., entered only their White Langshans and won 1st cock, 1st and 2nd cockerels, 1st and 2nd hens, 1st, 2nd, 3rd and 4th pullets and 1st and 2nd pens. They did not enter any of their Black Langshans, but brought Judge Rhodes home with them and had him score 99 birds. Their

since last year. The judges secured are Chas. McClave, F. C. Shepherd and S. B. Johnson, and negotiations are pending with several others, and there will be a full corps of competent judges to pass promptly on all exhibits.

Premium lists will be ready early in December and will be mailed about December 10th. Fanciers not receiving them will confer a favor by sending in their names to the secretary, A. E. Brooks, S. W. Cor. 7th and Freeman, Cincinnati, Ohio.

A well-kept Pekin duck will average as many eggs in six months of its laying season as the average hen will in a year.

The \$50,000,000 World's Fair

The Louisiana Purchase Exposition, St. Louis 1904.

The most wonderful the world ever saw, purchased by the Chicago House Wrecking Company. The dismantling of this exposition is the most gigantic undertaking of modern days. Millions of dollars of material for sale by us at prices that mean an enormous saving to purchasers. Now is the time to put into execution your long contemplated improvements. Buy quick because the prices we offer this material at will sell it as fast as we can make delivery.

100,000,000 Feet of Well Seasoned Lumber.

The time to buy lumber is today. Prices are advancing. Within the next 60 days you will see a decided increase in the market prices on lumber. Do not wait until the prices go down. They never will. Even though you do not happen to need any lumber today, it will pay you to purchase it now and store it for future use. It will prove to be a better investment than money in the bank. Its value will double in a year's time. The finest grades of lumber were used in the construction of this grand Exposition. The quality of the interior as well as the exterior material could not have been better and was purchased at the time with a view to strength, durability and finish. We are offering for sale everything needed in the construction and furnishing of a building for any purpose. Studding, joists, planking, dressed and matched flooring, sheathing, timbers, in fact every variety of lumber for any purpose.

Send Us Your Lumber Bill for Our Estimate.

You can save from 30 to 50 per cent if you buy at once.

This is your opportunity to build or improve your home or barn. In fact it is the chance of a life-time to get lumber below regular prices. If you are intending to build, be sure and take advantage of this offer which can only last for a limited time. We are selling material for houses, barns, warehouses, churches, halls, elevators, tool sheds, granaries and cribs, stores, school houses—in fact any kind of a building. If your County Fair buildings or race track need improvements, now is the time to order the needed supplies. Among the enormous stock we have just what you want.

Millions of Dollars Worth of Other Material for Sale.

Besides lumber, we have for sale at prices below the original cost, all kinds of SASH, DOORS, STEEL AND FELT ROOFING, PIPE, HARDWARE, MACHINERY, HOUSEHOLD GOODS, FURNITURE, RUBBER HOSE, ROOFING GLASS, WIRE AND FENCING, ELECTRICAL APPARATUS, FENCE POSTS, FIRE FIGHTING APPARATUS, STRUCTURAL IRON, PLUMBING MATERIAL, FLAGS AND POLES, ROPE, TOOLS of all kinds, TURNSTILES, STATUES, RAILING, MOULDING, IRON RODS, CONDUCTOR PIPE, EAVE TROUGHS, OFFICE FIXTURES, OPERA CHAIRS, SETTEES, and thousands of other articles.

Ask for Our Special World's Fair Catalog No. 186

We purchased and dismantled the World's Fair, Chicago, 1893, the Trans-Mississippi Exposition, Omaha, 1899, the Pan American Exposition, Buffalo, 1901, the World's Fair St. Louis, 1904. We have but little time to dismantle the St. Louis World's Fair with its millions of dollars of materials and furnishings used in its construction. Quick delivery to those that purchase now.

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They are all heated with the best system of hot water pipes.

It is the only correct system for heating an incubator.

It produces an even temperature in all parts of the egg chamber.

Positively, our hot water pipe system for heating an incubator is the Acme of perfection.

All material in entire incubator is carefully selected, and the workmanship is of the very best.

The increased output each year of Globe Incubators demonstrates their popularity.

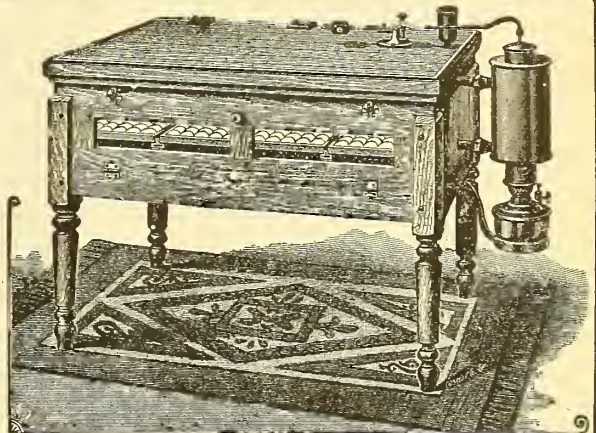
Every Globe Incubator is fully warranted and positively sold on 30 days' trial.

Our Mammoth Catalog of Incubators and Brooders, etc., will be mailed to you absolutely free. Write for it today.

C. C. SHOEMAKER

Box 940

FREEPORT, ILL.



BRODHEAD, Wis.

Mr. C. C. SHOEMAKER, Freeport, Ill.

Dear Sir: Inclosed find money order to cover cost of another 200-egg incubator and brooder. This machine is ordered for George Decker, my neighbor. The success of my first hatch with the Globe Incubator was 151 little April fools. They are fine, I tell you, and I am very much pleased.

Yours very truly,

JOHN GRAU.

LAKELAND, Fla.

Mr. C. C. SHOEMAKER, Freeport, Ill.

Dear Sir: As I have used your incubators about one year, I thought it my duty to write you in regard to them. I hatched 80 per cent. right along. I leave the machines all day and find them at work to the dot when I return at night. I would advise any wanting good results and no work to buy a Globe Incubator.

Respectfully yours,

H. L. FLANAGAN,

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**BLACK LANGSHANS
R. C. RHODE ISLAND REDS
BARRED PLYMOUTH ROCKS**

J. E. HOLYOKE - - - - - ADRIAN, MICH.

Exhibition birds. Utility birds. Prices reasonable. Eggs in season.

Japanese Bantams and Silkies

America's largest and best collection. Dr. A. H. Phelps's entire collection added to my invincible strains. Twenty-seven prizes won at the great World's Fair, St. Louis. Also winners at Chicago, New York and New York State Fair. Excellent pairs and trios for sale in Black Tails, Blacks, Whites, Goldens, Silver Grays and Japanese Silkies. Prices and descriptions cheerfully given. Illustrated catalogue free.

FRANK W. RADFORD, Oshkosh, Wis.

LAPHAMS BUFF PLYMOUTH ROCKS

THE GOLD MEDAL STRAIN

has again made a clean sweep in the show room. My winnings are as follows: Michigan state fair, 12 to 16, 1904, I won four 1sts and five 2ds. Illinois state fair, three 1sts, two 2ds, two 3ds and at World's Fair I won 5th and 9th pens, and at Dearborn, Mich., Dec. 12 to 16, 1904, I won five 1sts, four 2ds, five 3ds, three 4ths; and at Durand, Mich., Dec. 8 to 10, 1904, I won three 2ds on an entry of five birds. Watch for my show record at Detroit and Chicago.

Having just bought the entire stock of Buff Plymouth Rocks of R. G. Collin, Mt. Pleasant, Mich., I am now in a position to give my customers as fine stock as ever grew. I have over 600 birds and can fill all orders from a good breeder to a fine show bird, and if you want Buff Plymouth Rocks as yellow as gold. Remember the name.

..LAPHAM'S GOLD MEDAL STRAIN..

I now have at my yards the following World's Fair winners: 4th and 5th cock, 7th cockerel, 5th and 9th pens, which will assure my customers eggs in season from some of the finest birds in America. Show birds a specialty. Catalogue free. Please mention this paper.

DEARBORN POULTRY YARDS**S. D. LAPHAM, Prop.****Dearborn, Mich.**

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BUFF WYANDOTTES that have won more first prizes than their combined competition at the great Chicago shows for four seasons.

BUFF P. ROCKS Winners at Chicago, Detroit, Washington and many other shows.

INDIAN RUNNER DUCKS The ginseng of the poultry yard. The great money makers. The very finest specimens alone retained. As proof of quality a visit to my farm is solicited.

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King Breeds some of the BEST BARRED ROCKS

in the country. Why? Because he is a specialist and caters to the fancy trade, breeds his winners and furnishes winners to his customers in strongest competition. Single birds, pairs, trios or breeding pens, mated as you want them and results insured. A lot of good business cockerels at \$3 to \$5 each. Good ones for the money. Send for new mating circular for prices on eggs and description of breeding stock. Correspondence carefully and promptly answered. Write me to-day.

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HALFTONES AND ETCHINGS

at prices that are hard to beat. We carry in stock a large assortment of poultry cuts.

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334 Dearborn Street Chicago, Illinois

POULTRY SHOW CATALOGUE.

The Southeastern Wisconsin Poultry and Pet Stock Association have just issued their Seventh Annual Premium List and Breeders' Directory. This is a beautiful illustrated booklet of 54 pages and is of interest to every person who buys, sells or exhibits stock of any kind. In its pages will not only be found the complete announcement of the many inducements offered to exhibitors at the poultry exhibition to be held at Delavan, Wis., January 23-28, 1905, but in the breeders' directory the breeding industry of southern Wisconsin is presented to the public in a manner never attempted before.

Every banner stockman and poultryman should have one of these beautiful books. It will be sent free, postpaid to every one sending an inquiry to the secretary.

W. E. PEPPER,*Delavan, Wis.*

BIG BUFF COCHIN SPECIALS.

Dr. J. J. Hare, of Whitby, Ontario, Canada, announces that he will offer a \$50 cup to be competed for at Chicago by members of the American Buff Cochin Club. Dr. Hare is the president of this new specialty club.

At New York the club will offer a \$5 cash prize to be awarded to the exhibitor of the best colored Buff Cochin Female, at the Madison Square Garden Show, January, 1905, and a similar amount to be awarded to the exhibitor of the best shaped male at the Chicago show, January, 1905.

Every lover of this grand old variety should send his name, with \$1 membership fee to the treasurer of the club, Mr. Lee Potts, Thornton, Indiana.

E. W. RANKIN, Sec'y,*St. Paul, Minn.*

WEBSTER CITY, IOWA.

The Webster City Poultry Association will hold its fourth annual show January 9-14, 1905. I. K. Felch, judge. This will be Mr. Felch's only show in Iowa this year and we extend a cordial invitation to the fanciers to show with us. Big show, good premiums, prompt payment. Get a catalogue today.

FRED HAHNE, Sec'y.

DURAND, MICH.

The first show of the Poultry, Pigeon and Pet Stock Association was recently held and was very successful. There were 481 specimens exhibited and the judging was done by James A. Tucker. The largest classes were the Barred Rocks, Rhode Island Reds, Brown Leghorns, Buff Wyandottes, Buff Rocks, Buff Leghorns and White Rocks. Their success is to be envied by associations that are much older.

The American Plymouth Rock Club will hold its fourteenth annual meeting at New York, Wednesday, January 4, 1905, at 3 p. m.

The 1905 club catalogue will be out January 1 and will be mailed to all interested for 4 cents in stamps.

H. P. SCHWAB, Sec'y.*..Rochester, N. Y.*

Remember that the back of the duckling is the most delicate part, and until six weeks of age should not be allowed out in heavy rain storms.

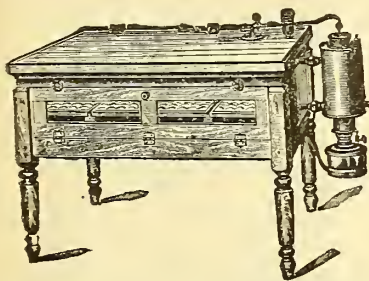
THE CHICKEN IN COMMERCE.

Advancement in the Construction of Incubators and Brooders has Been of Tremendous Importance.

From day to day the chicken is becoming more largely, and in a very notable degree, a factor in the commerce and trade of America. This is due to improved methods of production.

Only a few years ago chicken-raisers thought lightly of the incubator. It was regarded as a poor colleague to the faithful hen. Today the incubator is filling a place of unforeseen importance. Just as other things have advanced and improved, so has the manufacture of incubators.

Thousands of incubators are now being operated all over the world and with most highly gratifying results. There is more money perhaps in the chicken and egg produce field than in any other single line to which the person of small capital can turn.



The incubator—the good incubator—makes it possible to carry on the chicken and egg business in all seasons and in all climes. This is because of the successful system of hot water heating for incubators; the brooder too, plays an important part in this astounding development of conditions.

Mr. C. C. Shoemaker of Freeport, Ill., an authority on Incubators, Brooders, and everything pertaining to chickendom—is now recognized as a leader in the manufacture of supplies which successful chicken-raisers must employ. He is the manufacturer of the famous Globe Incubator and Brooder, which are heated with the best known modern hot water pipe system, and are constructed of selected material throughout, by most skilled workman. Nothing has given greater impetus to the chicken and egg business than Mr. Shoemaker's mechanical aids.

For persons who are interested now, or those who desire to become interested in poultry culture, it would be well, before going further to let Mr. Shoemaker tell you some of the things he has learned about the business. We know him to be a man honest and reliable in every way and most agreeable to deal with. Trusting one's future, so far as poultry business is concerned, to Mr. Shoemaker, would be a wise proceeding. You will find his advertisement on another page in this issue. Better write for his large catalogue as it gives many valuable pointers to the poultry raiser.

At the world's greatest poultry show H. P. Mason, the Buff Rock specialist of Fayette, Mo., won the most coveted prize of 1st breeding pen, 38 pens competing; 3d pullet and 4th cockerel. In the Missouri exhibit, competed for by Missouri breeders only, he won 1st pen, 1st cockerel, 1st and 4th pullet, 1st hen and 4th cock. Mr. Mason's pen was the cynosure of all eyes. These birds were bred, hatched and reared by Mr. Mason and he is justly jubilant over their great winnings.

W. C. Brookover, of Carlwick, Ohio, breeder of Silver and White Wyandottes, White Plymouth Rocks and S. C. White Leghorns, made some fine winnings at the Ohio State Fair recently, winning 1st cockerel, 2d hen and 2d pen. Mr. Brookover is limited on White Wyandottes, but has a large number of Silvers with plenty of quality. He can furnish White Plymouth Rocks, but is limited on Leghorns. Everything that he advertises to sell goes out under his personal guarantee. Mr. Brookover has a show record at Pittsburg, Cleveland, Columbus, Cincinnati, Indianapolis and Chicago. AMERICAN POULTRY JOURNAL readers can rely on him to the fullest extent.



Conkey's Roup Cure—Guaranteed

DAMP DAYS, cold winds, rain and snow are the forerunners of Roup. They are the index finger that points to Conkey's Roup Cure, for it PREVENTS as well as CURES. It is the one remedy that has stood the test of years, and that is sold all over the world; the only remedy that will positively cure this dreaded disease in all its forms.

MONEY REFUNDED IF IT FAILS.

Don't wait until your fowls are smitten with this scourge but **Order Now**; have it on hand for immediate use; give it occasionally as a preventative. Just as good for **Turkeys** and unequalled for **Canker in Pigeons**. Many worthless imitations but nothing its equal. Insist on Conkey's. If your dealer can't supply it, don't take a substitute but send us the order direct. **Price Postpaid, 50c. and \$1.00 per package.** For sale by Poultry Supply Houses and Druggists everywhere.

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"Good Things for the Poultry Fancier to Have and to Know." Don't wait. Write for it today.

G. E. CONKEY & CO., Cleveland, O.

Agents Wanted

Pacific Coast Agts.: PETALUMA INCUBATOR CO.
Petaluma, Cal.

Several Choice Pens of Barred and White P. Rocks

FOR SALE. Breeding and exhibition stock.

D. T. HEIMLICH,

Jacksonville, Ill.

Studebaker Model Poultry and Egg Farms

Breeders of strictly high grade S. C. W. Leghorns, Rose Comb Black Minorcas and White Holland Turkeys

The following prize winners at World's Fair Poultry Show, St. Louis, are among our flocks; first prize cockerel, first prize pullet, and first prize breeding pen. In the selection and mating of our breeding pens for the coming season, the best birds to be had have been procured, regardless of cost. Our breeders have unlimited range, insuring health, vigor and fertility. With the facilities at our command we are in a position unequalled by any other breeder in America for furnishing high-class stock and eggs, either for breeding or exhibition purposes. Eggs \$3 for 13, \$5 for 26. Prices quoted on stock on application. All orders booked and filled in rotation. Send for catalogue.

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HIGH CLASS BIRDS PROPERLY MATED to secure good results. Nothing under \$5. No poor birds shipped. Satisfaction guaranteed. Will refund money, less express, for any bird promptly returned.

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TOLEDO, IOWA

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MILLER
LANG-
SHANS**

On the 17th of December we had Judge Rhodes score our stock of Black Langshans and out of 99 birds our scores run from **91 1-2** to **96**. Most of these birds come from our grand Kansas State Show winner, pronounced by experts to be the

Finest Black Langshan Cock

ever exhibited. A grander lot of birds were never raised in one lot. **You Will Have to Hurry** if you want any of these fine black beauties. See our winnings in **White Langshans** at the Central Missouri Show in the reading columns of this journal.

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are supplied with perfect regulators which keep the temperature exactly right all the time. No night watching; all latest improvements; California redwood case; solid copper tank; 30 days' free trial—if not what you want send them back. You know exactly what Burr Incubators and Brooders will cost because we quote you a price, freight prepaid, to your railroad station. You don't have to guess on the cost nor on the results. Write for free catalogue.

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Surely one would think of none other than

DUSTON'S

name as synonymous to

White Wyandottes

for the reason that he has been at the front as a fancier and breeder of this most popular breed so long. He has given literally thousands their start, and never was in position to do so as well as to-day; for he is devoting his whole time to the breeding and caring for his White Wyandottes, show birds that are winners, breeders that will breed winners. Start right by sending to him, stating your wants to the breeder who has made the "World's Best" flocks possible.

Two cent stamp for catalogue.

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FENCE FACTS.

The Economy of Erecting a Good Fence Proven by Experience.

A good fence is an investment. Any other kind is an aggravation, an expense and an eye sore.

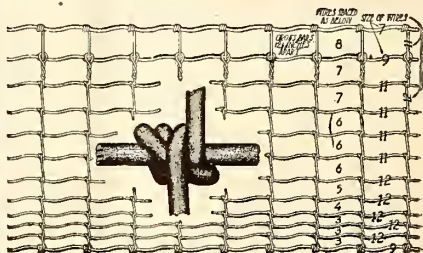
It is your intention to buy a good fence when you buy any. No man ever sets out to buy an inferior fence, knowingly, yet some have been induced by considerations of price to take a fence that has proven more costly and less satisfactory in the end. The good fence is the cheapest fence, in the long run.

The only fence now in existence that has been in use for 19 years is Page Fence, manufactured by the Page Woven Wire Fence Co., Adrian, Mich.

This is a case of the 'survival of the fittest,' for Page Fence has been made on honor from the first and is easily the highest quality fence.

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Just to show you what Page spring steel wire is, the Page Woven Wire Fence Co., Adrian, Mich., will send free to any of our readers who expect to buy fence at any time, a thoroughly practical paring knife made from this wire. They do this as a practical illustration of what Page wire is, and with it they send a new Page Fence catalogue describing all the styles for different farm, stock, poultry, lawn and park purposes, and the characteristics of Page Fence that make it superior to ordinary wire fencing.

It is expected that our readers will write for this free knife and catalogue, and upon arrival it is requested that attention be given to the matter on pages 18, 19 and 20 of the book, which gives in concentrated form the real reasons why Page Fence is entitled to consideration; why it is more enduring, more resilient, better constructed and worthy of a better price than inferior fence that is made to sell.

To insure getting the knife, mention this publication when you write.

E. M. Quay, Silver Lake, Ind., writes: "I am about to close out my entire flock of Langshans and will breed only Silver Pencilled Wyandottes in the future. I have a fine bunch of Langshans to dispose of containing all my Chicago, Indianapolis and Detroit prize winners and a fine lot of young stock."

C. S. Byers, of Hazelrigg, Ind., made an exceptional record on his Buff Orpingtons at Dec. 4 Chicago Show, winning twelve premiums on twelve birds entered in keen competition. His birds were the largest specimens on exhibition and had the characteristic rich golden buff color which obtains in his strain.

Rudolph Poultry Yards won at Fostoria, O., on Buff Rocks—1st and 4th cock, 2d and 5th hen, 4th and 5th cockerel, 1st, 3d, 4th and 5th pullet, 1st pen; state silver cup, three special ribbons for shape and color, and \$8 to \$10 cash and other specials; 60 Buffs in show. Barred Rocks—3d and 5th cock, 3d hen, 5th cockerel, 3d pen; 82 Barred in show. These winnings, added to our list at St. Louis, Cincinnati, Cleveland, Detroit and Toledo and many other places, gives this yard a place in front ranks.

Questions and Answers

Questions asked by subscribers will be answered in this department.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: I purchased 12 turkeys a month ago, but the matter of feeding for the winter months wearies me. My neighbors told me it does not cost any thing to keep turkeys. But I keep handing out the feed all the time. Where the feed is thickest, there you will find a turkey with a clear space around her and woe to the unlucky hen that comes within that circle; sets mangled that's all. But what is one to do with a bird that makes a direct flight of 30 feet high, worse than my leghorn pullets.

Will any of the readers of the AMERICAN POULTRY JOURNAL kindly give figures as to cost of maintenance for one or for twelve turkeys for six months, say November to April inclusive, with wheat, oats and corn \$1.60 per hundred pounds and middlings \$1.45. Bloodmeal, meat scraps and meat meal \$3.50 per 100 lbs? Cotati, Cal. L. DORAS.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Will you kindly answer the following questions in your "Question and Answer" department: 1st. Does packing eggs in water glass affect

the flavor of the eggs? 2d. Will eggs packed in water glass keep any length of time after being removed from the water glass, or must they be used at once? Is it necessary to keep eggs packed as above in cold storage, or will an ordinary cellar do? E. D.

Loup City, Neb.

1st. No. 2d. Eggs that have been preserved in water glass will keep fresh a reasonable length of time after being removed, but it is best not to remove them until you are ready to use them. 3rd. Cold storage is not necessary. Keep them in as cool a place as you can.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer through the columns of your paper: How many prongs should a S. C. Brown Leghorn cockerel have on his comb? Some say 5; others say 6 and some say it does not make any difference how many. Will it stop hens from laying if their comb freezes? Which is the best, S. C. or R. C. Leghorns for eggs? I. C.

Galesburg, Ill.

Five points is what the standard calls for, but one point, more or less, is not

a disqualification, but a defect, and will be cut accordingly. The freezing of the combs will not affect the laying qualities of a hen. We do not believe there is much difference in the laying qualities of the two varieties.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—I have a few questions that I would like to have you answer in the next journal, if room is possible.

1. What is the highest number of eggs that turkey hens have been known to have laid?

2. What was the cause of so many turkey eggs being unfertile. I set 72 eggs from one turkey hen and only got 7 turkeys out of the batch, all of which I have raised up to the present time, have a free range of 147 acres of fruit land and all the corn and oats they can eat? Set eggs under chicken hen.

Huntington, Ark.

E. G. L.

We have no record of the number of eggs laid by turkey hens. It is impossible for us to say what was the cause of the eggs not being fertile, but it was probably the fault of the hen. Turkey eggs are, as a rule, very fertile.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please state in your "Question and Answer" department, what are the symptoms of dropsy in chickens and the remedy. L. S. D.

Detroit, Mich.

Fowls are afflicted with two kinds of dropsy; that known as abdominal dropsy and the other dropsy of the heart. The first mentioned condition is shown by the enlargement of the abdomen which is distended until it nearly or quite reaches the ground when the bird is

More Eggs

If you will try the following mash for a short time you will find it will certainly result in more cash from your hens. Make a warm mash of cooked or scalded ground grain and put in a tablespoonful of

LEE'S Egg Maker

for each 12 or 15 fowls. If they are laying, give them all they will eat up clean. If not, shorten the feed so they will forage. Many experienced poultrymen who believed their hens were doing their best have been surprised at the increase in laying after feeding this food. It makes more eggs; sweeter eggs, and healthier fowls.

Put up in 2½ lb. package 25c; 25 lb. pail \$2. At all dealers, or sent direct.

GEO. H. LEE CO.,
Omaha, Neb.

**HERE'S A MASH THAT
MAKES MORE
CASH**

More Cash

If you expect your hens to lay their best you must do your best to help them. The reason they don't lay is because they can't get the necessary egg-making food. Just try

LEE'S Egg-Maker

it supplies this deficiency—that's why it makes hens lay—makes hens pay. Here's some actual proof:

"I have 40 hens and have sold 85 dozen eggs in five weeks besides using over a dozen. I shall feed Lee's Egg Maker always—it pays." MRS. B. LAMB, Nowata, Ind. Ter.

"Lee's Egg Maker beats anything I ever saw. It has doubled my egg yield." A. M. PERKINS, Washington, Ind.

Lee's Egg Maker not only makes hens lay, but makes young fowls mature fast, and insures healthy, vigorous conditions.

GEO. H. LEE CO.,
Omaha, Neb.

LEE'S EGG MAKER

Hahne's Light Brahmas

Winners wherever shown. Catalogue free. 100 youngsters, 30 hens, at moderate prices. Get my prices at once.

FRED HAHNE

517 Webster St., Webster City Iowa.

Single Comb Buff Leghorns

Won wherever shown. A choice lot of cockerels for sale that score from 92½ to 94, \$3 to \$10. Score cards furnished if desired. Scored pullets also for sale that will win for you.

R. T. WHITMAN,

R. R. No. 1, Belvidere, Ill.

ANOTHER APPEAL FOR ROOM...

We must have it, and offer our very best cockerels for \$3 each during December. 300 S. C. B. Minorcas, S. C. W. Leghorns and B. P. Rocks. They are our season's best, and there are no better anywhere at any price. Pullets and yearling hens at prices that will suit, and quality that will please. They are the bred to lay kind. You can't get better blood for breeding or exhibition stock. Let us know just what you want. We guarantee satisfaction.

OTTER CREEK POULTRY FARM CO., Watertown, N. Y.

JULIUS J. KLEIN.

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SUNNY SIDE POULTRY FARM

Buff and Barred Plymouth Rocks, Partridge Cochins, Light Brahmas, Embden Geese and Pekin Ducks. Catalogue free.

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Macon, Illinois.

**SINGLE
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BLACKS
ONLY**

DOANE'S MINORCAS

Are Farm Raised

Have a record of winning six years in succession at Madison Square Garden. All stock sold under guarantee to please. We have the best lot of cockerels ever raised, and females to match them. Eggs from ten matings. Minorcas in size, type and color, \$3 for 13, \$5 for 25, \$18 for 100. We use pedigree trap nests. Get catalogue.

J. H. DOANE,

Box D, Gouverneur, N. Y.

VANATTAS S. C. WHITE LEGHORNS

WORLD'S FAIR ... WINNERS...

The great winning and laying strain has again proven their superb merit by winning at the Louisiana Purchase Exposition, Oct. 24 to Nov. 5, 1904, 48 breeders competing, over 400 birds in competition. First—more regular and special cash prize money than any other breeder. Second—by winning in the four classes in which I showed birds, viz: cks, hens, pullets and pens, two more World's Awards than any other breeder won in these four classes. Third—by being the only breeder who won World's Award in every class in which he showed birds. Choice exhibition and breeding birds for sale. Eggs in season.

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R. F. D. NO. 8, VANDALIA, MO.

A First Class Incubator

And brooder are what you want. You don't care for their name or reputation, so they will hatch and raise lots of good, strong chicks with little care. HOOSIER INCUBATORS and BROODERS are guaranteed to hatch and raise more good, strong chicks with less care than any other machines. If you are interested in first class incubators and brooders at very reasonable prices send for our free catalogue to-day.

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Columbia City, Indiana.

Don't Buy an Incubator

Get a New Thought Hatching Machine

and take off a hatch every 10-14 days. No, it's not an incubator. It hatches and the CHICKENS LIVE. It is all metal—good as gold to people who want a business machine. Catalogue A ready. Get it.

HASTINGS MFG. CO.,

Hastings, Neb.

Olentangy Poultry Yards

—DELAWARE, OHIO—

Rhode Island Reds Exclusively

Largest and best flock in the west. Send for our 1905 circular.

CHARLES C. REID, Mgr., Vice President American R. I. Red Club; First Vice-President Ohio State Poultry Association; President Delaware Co. Poultry Association.

SPECIAL SALE—12 Fine Yearling Cockerels at \$3 and \$5 Each if Ordered at Once, Worth Twice the Money.

Emma B. Poultry Farm

W. Wyandottes

TRIUMPH
STRAIN

S. C. W. Leghorns

We won 2d cockerel at World's Fair, St. Louis, in W. Wyandotte class.

Our birds are carefully bred for the highest exhibition quality, but at the same time their utility has not been overlooked, which is of the highest degree, and places these birds in a class by themselves. All stock sold on approval, and if not satisfactory return at once by express at our expense and money will be refunded. Write us for special prices on some beautiful thoroughbred Ducks. We have 25 Wild Mallards and 40 European White Calis. OUR WORD IS AS GOOD AS CASH.

S. E. Lane, Supt.

D. Beidler, Prop., Gurnee, Ill.

standing. If examined by slight pressure of the hand the swelling is found to be soft and fluctuating; it will yield in one place, cause a great distension at another. That is it gives the sensation of a sac filled with liquid.

Fowls affected in this way are dull, disinclined to move, generally feeble, with pale combs and diminished appetite.

The treatment of fowls in this condition is not profitable, but in special cases, stimulating diet with considerable animal food, tonics and diuretics, may be tried. Iodide of potassium or iodide of iron in doses of 1 grain is particularly indicated.

Dropsy of the heart brings on great weakness, difficult breathing; the head being thrown backwards, and the breath being drawn through the mouth in order to obtain sufficient air. If forced to run the bird soon falls. This disease is usually not recognized in a bird until after death. If there are repeated cases in the same flock it is an indication of exposure to sudden changes of temperature, or to extreme cold and dampness, and these conditions should be removed. Give two to four grains of bicarbonate of soda to each bird daily in the drinking water.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Will you kindly give me the Standard weights of the Buff and White Orpingtons, for cock, cockerel, hen and pullet.

Bannock, Ohio.

T. L. L.

The Standard weights of Orpingtons are: Cock 10½ lbs., cockerel 9 lbs., hen 8½ lbs., pullet 7 lbs.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer the following questions through your paper: 1st. What would be the quickest method of getting rid of lice on a lot of three or four hundred hens? 2d. Do you think coal ashes injurious to fowls as a dust bath or as a gravel.

Gardner, Mass.

D. D.

1st. Plenty of whitewash, to which is added a little carbolic acid, and the liberal use of some good liquid lice killer. 2d. No.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—I expect to exhibit some young stock this winter and just this day I washed some of their legs, combs and wattles for the first time and when I finished the pullets were so weak in the legs they could hardly stand or walk. Should I be alarmed and will they be all O. K. in a day?

Van Voorhis, W. Va.

H. C. D.

The weakness probably came from them being chilled. Use warm water and do the washing in a warm room. After drying them thoroughly with a cloth put them in a coop near the stove until they are thoroughly dry.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Will you kindly inform me thorough your columns as follows:

There is to be a poultry show in Chicago in January. Who will I have to see in order to make an entry? How much will it cost me? How long before the opening of the show will I have to see him? What are the prizes they give?

Also: I have a fine looking, fine shaped lot of Barred Plymouth Rocks. I have nine laying hens. They are all healthy looking, and I have had very little sickness,—but their combs are not

very red, and I only get one egg every other day out of the lot. I have tried special preparations for making them lay, but to no avail. Can you suggest any way of making them healthy looking "around the gills," and making them lay? C. W. G.

Chicago, Ill.

Write to the secretary, Fred L. Kimmey, 325 Dearborn street, Chicago, Ill., for premium list which will give you all the information you desire.

Your laying hens have probably not fully recovered from the effects of molting. Would suggest that you feed a liberal amount of beef scraps and green stuff. A little clover meal food two or three times a week in the soft feed would also be beneficial.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Would you kindly answer the following question in question and answer columns? I have a Golden Wyandotte cock. He is a very nice bird but his bill is black, all but the point. Would this debar him from taking a prize. J. R. H.

The color of the beak of a Golden Wyandotte cock should be a dark horn color, shading to yellow at the point. Any other color than this would be a defect and would be cut accordingly.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—How many common hens can I keep in a coop and scratching bin combined 13½x22 feet?

How would you advise me to make a scratching bin?

Would you advise me to heat coop for winter laying? My coop faces south and I have two large windows in south front. I have two ventilators in the south and one in the north. Do you think this is too much draft?

My hens were sick. Their eyes would swell and they would die. What was the cause? My roost is so constructed that I can take it apart and drop boards are cleaned every morning.

Chicago, Ill.

E. W. S.

About 30 fowls can be kept very nicely in a house of this size.

Our space is too limited to give plans and descriptions of scratching shed here. Our book, "How to Build Poultry Houses" will give you the desired information. Price 50 cents.

You have too much draft through your house. That is what causes your fowls to take cold, which develops into roup.

Editor AMERICAN POULTRY JOURNAL.

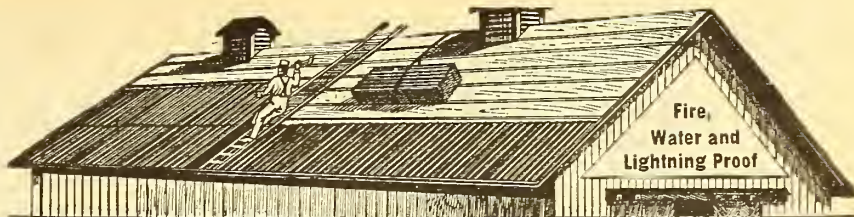
Dear Sir:—Will you kindly advise me through "Questions and Answer" department, the trouble with and remedy for chickens which seem to be dizzy, and unable to walk without going sideways. I have a couple of pullets which act this way, and they also turn their heads sideways when walking. G. G. M.

Glendive, Mont.

Your fowls are evidently suffering from congestion of the brain brought on by parasitic worms. Endeavor to dislodge these by giving essence of turpentine. It may be mixed with twice its quantity of olive oil and one to two teaspoonfuls given for a dose.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer in your question and answer department: 1st. Could two young men do well on an egg farm? How much land, stock and capital would it take to start and run a



New Steel Roofing and Siding

Painted red on both sides

\$2.00 Per 100 Square Feet.

Most durable and economical covering for Roofing, Siding or Ceiling, for Barns, Sheds, Houses, Stores, Churches, Poultry Houses, Cribbs, etc. Cheaper and will last longer than any other material. Sheets six and eight feet long.

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to all points East of Colorado, except Indian Territory, Oklahoma and Texas. Write for prices for shipment to such points. This roofing at \$2.00 per square is our No. 10 grade, flat, semi-hardened. \$2.10 for corrugated, "V" crimped or pressed standing seam. \$2.25 for brick siding and beaded ceiling or siding. No experience necessary. Send your order for immediate shipment. We have other grades. **WRITE FOR FREE CATALOGUE No. C-185 on Building Material, Wire, Pipe, Plumbing Material, Furniture, Household Goods, etc. We Buy at Sheriff's and Receivers' Sales.**

CHICAGO HOUSE WRECKING CO., 35th & Iron Sts., Chicago.

1884 Halyoke's Black Langshans 1904

200 young birds for sale. Size, color and feathering better than ever before. Prices right. Eggs in season \$2 per setting \$6 per 100.

J. E. HOLYOKE,

Adrian, Mich.

SPRAYING FOR MONEY

There's big money in every sprayed tree for the man who knows how to do it economically. We have 40,000 readers—students—who are learning from our columns how to grow and market luscious fruits and crisp vegetables—at a good profit too. Special seasons need special efforts, so in Feb., 1905, we shall publish a special edition of

THE FRUIT-GROWER

devoting 50 to 60 columns to the different aspects of "spraying." Formulas, spraying machinery; pictures of insects and the destruction they cause; when, where and how to kill them; and prevent loss will all be clearly dealt with without technicalities. Be sure you get this special number. Yearly subscription 50c. Send 25c and names of 10 persons interested in fruit-growing, for a year's trial. Our "Bro. Jonathan Series" of ten Fruit Booklets is instructive, 25c each. You can get them free. Ask us.

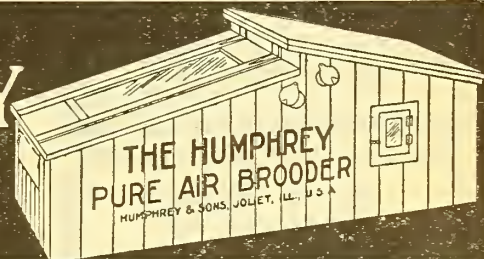
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States east of Ohio.

THE FRUIT-GROWER CO., 1307 SO. 7th., ST. JOSEPH, MO.

Don't Let Your Chicks Die!

You can double your poultry profits by raising all the chicks you hatch instead of murdering 75% of them in a death-trap brooder. This means dollars to you. Investigate the newest, most original, scientifically correct brooder ever built—

THE HUMPHREY PURE AIR BROODER



Top heat; perfect regulation of temperature; double circulation of heat and pure air; perfect ventilation; no tramping; easily kept clean; perfectly sanitary; most convenient; most economical in oil, and guaranteed to raise more chicks than any other brooder ever made. We especially urge all poultrymen who have suffered loss and disappointment from poor brooders to investigate. Already used by hundreds of leading poultrymen. Don't waste your time and kill your chicks with old-fashioned brooders—get the latest and best. You owe it to your own best interest to investigate.

World's Fair Winners—Raised in the Humphrey.

HUMPHREY & SONS, Joliet, Ill.,

North Adams, Mich., Dec. 5, 1904.

Gentlemen:—We are glad to inform you that all the young Orpington stock we exhibited at the World's Fair were raised in the Humphrey Pure Air Brooder. We were very successful at this show where we won first, third and fifth cock, second and sixth cockerel, second, third and fifth hen, first, fourth and sixth pullet and first and third pen in the Single Comb variety, and first cock, first cockerel, second hen, third pullet and first pen in the Rose Combs. We competed against 8 of the foremost breeders, including Wm. Cook & Sons of Eng. We raised about six hundred last season and the most of them in your brooders. We liked them so well that we bought six more of you this year. They are as easy to run as an incubator. You can set them at any degree of heat, 70, 75, 80 or 90, and they will run right there like a clock and without much more trouble.

Truly yours,

KNOWLES, YOUNG & CO.

Send for new book, "Poultry Helps," 48 pages. Printed in colors. It points the way to poultry success. It's free, but it means bigger profits for you. Address

HUMPHREY, WHITE STREET FACTORY, JOLIET, ILLINOIS.

Catarrh, Foul Breath.

If You Continually K'hawk and Spit
And There is a Constant Drip-
ping From the Nose Into the
Throat, If You Have Foul,
Sickening Breath,
That is Catarrh.

Large Trial Package Free—Quickly Cures.



Any person having catarrh always has a bad breath. The sense of smell and taste are nearly always totally destroyed in time so that the person who has catarrh does not realize how loathsome their disease is. They continue their K'hawking-K'hawking and spitting and spitting about promiscuously until they are shunned by every one, and the sight of them is enough to make a well person sick.

In order to prove to all who are suffering from this dangerous and loathsome disease that Gauss' Catarrh Cure will actually cure any case of catarrh quickly, I will send a trial package by mail free of all cost. Send us your name and address to-day and the treatment will be sent you by return mail. Try it. It will positively cure so that you will be welcomed instead of shunned by your friends. Write to-day, C. E. GAUSS, 2553 Main Street, Marshall, Mich.

**Good VIOLIN OUTFIT for
\$2.50**

A good substantial Violin in a heavy, well-made pasteboard case, including Bow, Rosin, Pitch Pipe, Mute, Set of strings, etc.

We make the broad claim for this outfit that no retail dealer in the land can duplicate it for less than double the price we charge. And when we say "a good substantial Violin" we mean just what we say. It is not a toy or plaything, but an instrument well made, built to produce music, and just the thing for the beginner. Has good clear tone and will be a big surprise to any one wishing a violin.

Write for one, also ask for our free catalogues of "Everything Musical" from the cheapest to the best, for the Band and the Orchestra. If you want a violin costing anywhere from \$25 up, we will send you 5 to select from. We carry an immense stock; being importers and wholesalers, we can supply any demand at prices that mean money saved to buyers. Sheet music catalogues mailed on application. Bargains in SECOND-HAND and shop-worn instruments; send for list. Address
H. E. McMILLIN, 109 Superior St., CLEVELAND, OHIO

plant that would bring a clear profit of about \$1,500 per year, and raise your own feed? C. A.

Benridji, Minn.

1st. Yes, if they possessed the necessary ability and push. 2d. \$2,000 to \$2,500 capital, 50 acres of land and 2,500 head of fowls.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Will you please tell me through the columns of your paper what is the matter with my pullets? They have small dark sores on their heads and around their eyes which causes the eyes to become sore and swell shut, and also on their combs. They look something like a ring-worm. My pullets are strong and active. Will you please give me a remedy for this disease? J. H. H.

Oroville, Cal.

Your pullets have chickenpox. This disease is contagious and the afflicted birds should be isolated. Wash the affected parts with warm water after which apply carbolated vaseline. Thoroughly disinfect everything about your poultry yards with a solution of water and carbolic acid.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—I see in the AMERICAN POULTRY JOURNAL inquiry how to rid a hen house of lice and mites. The way I get rid of them or keep them from coming is: I clean the roost every day—I mean the dropping board and sprinkle air slacked lime on the poles and boards and about once or twice a month I spray the inside of the house with Liquid Lice Killer or carbolic acid and kerosene, also the roosts and in the spring time I dust the fowls with Death to Lice powders and I do not have lice on my poultry. When the hens come out with chicks I dust her with the powder and the boards I spray that they set on and then large head lice that are so destructive on the chicks will die and drop off and relieve the little chicks. Everyone has a different remedy. I think grease hurts them about as much as lice for grease is bad for the plumage and the birds hate it. FRANK L. SMITH.

Flemington, N. J.

THE RUSSIAN MULBERRY IN THE POULTRY YARD.

In looking over a number of copies of your valuable paper, I find instructions of every kind for the raising of poultry; their care and feed, their housing, etc., but no mention is made of the Russian mulberry tree in this connection, yet it is a very valuable tree in any poultry yard, large or small. This mulberry was brought to this country from southern Russia by Russian Menonites, some thirty years ago. It is very hardy, standing both hot and cold weather much better than our native variety. It grows reasonably fast and forms a large bushy top, which in a very few years affords the chickens plenty of shade in the hot summer days. When three or four years old it begins to bear profusely, and during the last twenty years the trees have only failed to bear a full crop of berries twice in southern Nebraska.

The berries, while not so large as some other cultivated varieties, are of good size, varying in color from jet black to pink and pure white, and in taste from very sweet to somewhat tart. The ripening pe-

riod is from six to seven weeks, small green berries to full grown ripe ones being found on the same branch. When ripe they fall very easily, a little wind detaching them. It is, therefore, not necessary to pick the berries for the chickens, just give them free access to the mulberry grove and they will find plenty of ripe berries on the ground at any time during the ripening season.

The chickens (and the small children, too), are very fond of them. On my farm I have a small grove of mulberry trees not far from the poultry house and during mulberry time the chickens will make for that grove the first thing in the morning. These berries will do a great deal towards keeping the chickens healthy and keeping down expenses. In years when cherries and small fruits are a failure and material for canning is scarce, mulberry and rhubarb or mulberry and plum, will make very good sauce, liked by most people.

The wood of the Russian mulberry is also valuable for fence posts, as such posts will last as well as red cedar. Trees should be planted eight by eight feet; thus, in two or three years, they will make a good windbrake in winter and a nice shady place for the chickens in summer. Russian mulberry trees can be purchased at a very low price from any nursery and are easily transplanted, standing as much abuse as a cottonwood.

CARL SONDEREGGER.

Beatrice, Neb.

A man can't sow thistles and pick sweet peas—that is, not the same year. No more can you use common laundry soap for shaving and expect a smooth, soft, comfortable skin. Toilet soaps are meant to cleanse; Shaving soaps ought to soothe and soften. If you want to see the difference for yourself at the mere cost of a stamp for postage, write The J. B. Williams Company, whose offer appears elsewhere in this paper. Remember—it may be unjust, but a good many people judge you by your face.

There is one thing that strikes us favorably about Paroid roofing, advertised in our columns: It can be laid in any kind of weather, goes on smoothly, and "stays put."

A lot of people read the advertising of Paroid roofing in our columns, and are much impressed, but they are apt to conclude that any roofing that comes in a roll is much the same as Paroid. This is entirely unfair. If you like what the Paroid people have to say, be sure you find out all about Paroid before you buy.

In the awards of the St. Louis show in the December issue on Silver Spangled Hamburgs, 1st and 3d cock, 2d and 3d cockerel, 3d and 4th hen and 2d and 4th pen were credited to "Treat." This should have read Robert Treat Paine, Jr., 85 State street, Boston, Mass.

Dewitt Lanier, Cardwell, Mo., the Barred Rock specialist, writes that he has added one of Harry M. Lamon's and E. B. Thompson's best males to his already fine flock. These males have never been exhibited, but both are fine exhibition specimens and fit to show at any show. Mr. Lanier is offering eggs this season from superior stock. Write him for prices and particulars and mention AMERICAN POULTRY JOURNAL.

CAN YOU ANSWER THESE QUESTIONS?

How does the stomach of the horse compare with that of the steer in size?
When is the best time to water a horse?

What is the best indication of a horse's intelligence?

How much grain and hay should a work horse be fed?

What would you feed a speed horse?
How does the cost of raising a colt compare with that of raising a steer?

What are the principal causes of sterility in stallions?

Is it safe to work mares in foal?

How soon can a mare be bred after foaling?

Does it pay to soak corn for steers?
What is the value of corn and cob meal?

What is the value of the droppings of a steer, measured by the price of commercial fertilizers?

What does it cost to produce a pound of beef?

What do you do for thumps in pigs?

All these, and a thousand and one other questions of vital interest to every man who owns livestock, are answered in "The Standard Feeder"—a book of 160 pages, handsomely illustrated with views of prize livestock and the homes of successful stockmen. It contains the practical experience of more than 100,000 farmers and feeders who make money from stock. The price of "The Standard Feeder" is 50 cents, but one copy will be sent to you free, if you mention this paper and tell how much stock you keep. Address
Standard Stock Food Co., Howard St., Omaha, Neb.

DRY FEED—OR MASH.

The question of dry feed or mash is getting about as much discussion as score card or comparison. Both are all right in their way and just so with the feeds. Good judges can do justice to both and good reliable feed dealers can also furnish good feed of either kinds. One of the firms that we can recommend as responsible and reliable, put-

STANDARD STOCK FOOD



PRIZE BEAUTIES OWNED AND RAISED BY ALBERT JACOB HAMILTON, JR.
TWO STANDARD STOCK FOOD FROM CALIFORNIA

IT MAKES STOCK THRIVE
STANDARD STOCK FOOD CO.
OMAHA, NEB.

A copy of the above handsome poster will be sent free to any reader of this paper who writes to the Standard Stock Food Co., Omaha, Neb., mentioning this paper and telling how much live stock he keeps.

At what age can cattle be finished and fattened with greatest profit?

How much gain in weight should you make for every bushel of corn fed to steers or hogs?

What percentage of corn passes through the steers undigested?

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How great a "spread" between the price paid for feeders and the selling price is necessary to show a profit?

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What is the period of gestation of the different farm animals?

What is the average weight of a pig at birth?

How long is a good boar capable of service?

What is the best way of administering medicine to a hog?

What is the best way to wean pigs?

ting up the very best feeds and handling the genuine Cypher Incubator and Brooders Mann Bone Cutters and other goods of the highest quality only is the Steinwerth Feed and Poultry Supply Co., 309 Market St., St. Louis, Mo. See ad on another page and get their catalogue.

Chas. P. Bennington, of West Burlington, N. Y., whose Royal Buff Orpingtons are becoming quite noted as winners at Madison Square and in the hands of his customers at other prominent shows, has recently received direct from England one of the finest cockerels ever raised, also made two previous importations during the season. These, with his own strain give him surely some of the world's best. Anyone wanting stock should write him.

Corn contains from 7 to 8 per cent of yellow fat.

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Chicago, Ill.

P. M. Sharple's
West Chester, Pa.

She's too busy hunting green food to lay eggs

FEED

Payne's Alfalmo Poultry Food....

It gives hens all the necessary materials—is best poultry food. 100 lb Sack \$2



PAYNE'S PURE ALFALFA MEAL

the green kind. 100 lb Sack \$1.50. Cash with order. For samples, circulars and information address

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Rockford, Illinois

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Breeders of Black, White, Buff and Partridge Cockerhens, winners at Fremont, Dayton, Pittsburg, Chicago and other shows. Stock score 93 to 96½.

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I have six grand breeding pens, each of which will produce show birds of high quality. Eggs, \$2.50 per 15, \$4 per 30, \$7.50 per 60, \$10 per 100. Breeders at moderate prices that will produce winners. I now own the great pullet breeding cock, Milo, bred by E. L. Miles. Write me and I will surely please you.

L. H. EDWARDS, Owasco, Ind.



White and Golden Wyandottes and R. I. Reds. To make room for a fine lot of young stock coming out, I will for the next 30 days sell my this year's breeders at half price. Among them are a lot of show birds fit to win in the strongest competition. Young stock now ready for the early shows. Write me before buying elsewhere. Stock sold on approval.

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White Plymouth Rocks

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We Have won Hundreds of Premiums

this fall on our Langshans, Brahmas, Buff Cochins, Rhode I. Reds, White, Buff and Brown Leghorns, B. B. Red Games, Minorcas, Ducks and Turkeys. We have this stock for sale and hundreds more at living prices. Write your wants.

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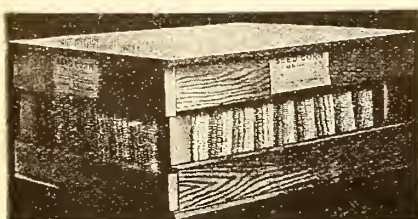
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HENRY FIELD, SEEDSMAN, BOX 48, SHENANDOAH, IOWA
THE EAR SEED CORN MAN

Poultry Show Dates For 1904-5.**A Complete List of Dates of Poultry Shows to be Held this Fall and Winter, Compiled for the Convenience of Exhibitors and the Readers of A. P. J.**

The following shows have adopted the comparison system of judging: Cortland N. Y., Sherbrook, Quebec, Canada; Pittsburg, Pa.; New York, N. Y. At Horneillsville, N. Y., and Youngwood, Pa., both comparison and score card systems will be used. The Chicago Show will probably use both systems, as is its custom. At all other shows the score card will be used. At shows where I. K. Felch judges the decimal system of scoring will be used.

The following is a complete revised list up to date. Secretaries are requested to send in new dates and changes, if any should be made.

Date.	Town.	Judges.
Jan. 2-6	Olney, Ill.	E. E. Dalton.
Jan. 2-7	Peoria, Ill.	O. L. McCord.
Jan. 2-7	W. Middleton, Ind.	Danville, Ill.
Jan. 2-7	Dubuque, Iowa.	A. J. Biesecker.
Jan. 3-6	Moberly, Mo.	Russellville, Ind.
Jan. 3-7	Mason City, Iowa.	J. Agnew.
Jan. 3-7	Colorado Springs, Colo.	H. P. Mason.
Jan. 3-7	Madison Square Garden, New York City.	Fayette, Mo.
Jan. 4-6	Lima, Ohio.	M. V. Bickel.
Jan. 4-6	Wichita, Kan.	J. M. Hill.
Jan. 3-7	Oakland, Ill.	H. V. Crawford.
Jan. 3-9	Nanaimo, B. C., Can.	Mt. Clair, N. J.
Jan. 4-6	Morning Sun, Iowa.	E. Helser.
Jan. 4-6	Falmouth, Mass.	H. W. Schoff.
Jan. 4-6	Adams, Mass.	O. L. Minter.
Jan. 4-7	Ogden, Utah.	Jonathan Isherwood.
Jan. 4-7	Goshen, Ind.	E. D. Matthews.
Jan. 4-7	Austin, Minn.	R. E. Small.
Jan. 4-8	Flint, Mich.	A. W. Saffard, Cor. Sec.
Jan. 4-10	St. Paul, Minn.	M. J. Hewitt.
Jan. 4-11	Atlanta, Ga.	H. Schadt.
Jan. 5-7	Lancaster, Mo.	J. S. Wood.
Jan. 5-7	Beverly, Mass.	C. C. Goodes.
Jan. 5-7	Greenfield, Iowa.	H. J. Goette.
Jan. 5-9	Montpelier, Ohio.	C. O. Hartwell.
Jan. 5-9	Seattle, Wash.	113 N. Pryor St.
Jan. 5-10	Painesville, Ohio.	A. Elliott.
Jan. 7-9	Muscatine, Iowa.	Peabody, Mass.
Jan. 9-12	Monett, Mo.	S. E. Alley.
Jan. 9-12	Reynolds, Ill.	W. Blum.
Jan. 9-13	Aberdeen, Miss.	G. Linder.
Jan. 9-13	Los Angeles, Cal.	F. G. Johnson.
Jan. 9-14	Des Moines, Iowa.	G. W. Lindle.
Jan. 9-14	Charleston, Ill.	Thos. Carlin.
Jan. 9-14	Frankfort, Ind.	Pierce City, Mo.
Jan. 9-14	Webster City, Iowa.	C. F. Schlueter.
Jan. 9-14	Denver, Colo.	A. Brannin.
Jan. 9-15	Topeka, Kan.	Mrs. O. H. Burbridge.
Jan. 9-15	Milwaukee, Wis.	2080 W. Adams St.
Jan. 10-12	Peterboro, N. H.	C. H. Clark.
Jan. 10-13	Vancouver, B. C.	C. L. Carney.
Jan. 10-13	Minonk, Ill.	J. R. Pence.
Jan. 10-13	Newberg, Ore.	Fred Hahne.
Jan. 10-13	Oak Harbor, Ohio.	J. R. Wilson.
Jan. 10-13	Lynn, Mass.	J. W. Hughes.
Jan. 10-13	Palestine, Ill.	J. A. Gargon.
Jan. 10-13	Middletown, Conn.	366 Logan Ave.
Jan. 10-14	Polo, Ill.	Geo. W. Ames.
Jan. 10-14	Rochester, N. Y.	W. Metcalf.
Jan. 10-14	Chicago Heights, Ill.	O. M. Davison.
Jan. 10-16	Minneapolis, Minn.	J. L. Hoskins.
Jan. 11-11	Tiffin, Ohio.	C. H. Jordan.
Jan. 11-14	Martinsville, Ind.	Chas. E. Hunt.
Jan. 11-14	Cambridge, Ohio.	157 Maple St.
Jan. 11-14	Crown Point, Ind.	O. H. Smith.
Jan. 11-14	Victoria, B. C., Can.	W. Kreft.
Jan. 11-14	Wakita, Okla.	C. E. Bambrorough.
Jan. 11-17	New Albany, Ind.	Geo. J. Keller.
Jan. 11-17	Kankakee, Ill.	725 Mt. Hope Ave.
Jan. 12-14	Plymouth, Mass.	Harry Neath.
Jan. 12-16	Niles, Ill.	C. L. Smith.
Jan. 12-18	Naperville, Ill.	L. L. Winsor.
Jan. 12-19	Detroit, Mich.	F. Donald.
Jan. 13-18	Bloomington, Ill.	O. H. Givler.
Jan. 14-14	Canton, Ill.	S. Z. Harroun.
Jan. 16-21	Portland, Ind.	39 Sycamore St.
Jan. 16-21	Cedar Rapids, Iowa.	W. E. Gopen.
Jan. 16-21	Charlotte, N. C.	Leigh Harrisburg.
Jan. 16-21	Lincoln, Neb.	W. B. Hiatt.
		N. P. Bourne.
		W. B. Alexander.
		L. P. Ludden.
		Chas. McClave.
		Ben. S. Myers.
		Atherton, Smith.
		O. C. Herbster.
		Chas. McClave.
		Rigg, Denny.
		W. C. Pierce.
		Theo. Hewes.
		Lambert, Wales, U. J.
		Shanklin.
		H. P. Schwab.
		Rhodes, Russell, Thompson.

Continued on Page 829.

Show Dates—Continued from Page 86.

Date.	Town.	Secretary.	Judges.
Jan. 16-21	Boston, Mass.	A. R. Sharp, Taunton, Mass.	I. K. Felch.
Jan. 17-19	Dalton, Mass.	W. H. Griswold.	W. C. Pierce.
Jan. 17-20	Paris, Ill.	Edw. Moren.	T. F. Rigg.
Jan. 17-20	Aurora, Ill.	H. Moser.	F. H. Shellabarger.
Jan. 17-21	Monmouth, Ill.	S. L. Hamilton.	Geo. D. Holden.
Jan. 17-21	Sioux Falls, S. D.	S. S. Metcalf.	Judge Bicknell.
Jan. 18-20	Albert Lea, Minn.	R. B. Thompson.	Jas. A. Tucker.
Jan. 18-21	Olean, N. Y.	Geo. Fobes.	S. B. Lane.
Jan. 18-21	Ann Arbor, Mich.	G. R. Cooper.	C. G. Hinds.
Jan. 18-21	Angola, Ind.	H. M. Crain.	C. A. Emry.
Jan. 18-21	Albany, Ore.	C. W. Yunk.	
Jan. 18-21	Ponca, Okla.	R. L. Shaw,	
		Blackwell, Okla.	
	Auburn, N. Y.	J. H. Scott.	Stanton, Quilhot, Webb, Davenport, Crocker, Traford.
Jan. 20-24	Allegan, Mich.	W. H. Warner.	J. M. Rapp.
Jan. 23-28	Oshkosh, Wis.	P. A. Allen.	F. H. Shellabarger.
Jan. 23-28	Marshalltown, Iowa.	H. C. Hansen.	A. B. Shaner.
Jan. 23-28	Delavan, Wis.	W. E. Pepper.	Russell, Jansen.
Jan. 23-28	LaFayette, Ind.	H. J. Rader.	S. B. Lane.
Jan. 23-28	Chicago, Ill.	F. L. Kimmey.	D. J. Lambert.
Jan. 24-27	Hartford, Conn.	F. O. Groesbeck.	
Jan. 24-27	Manchester, N. H.	W. B. Sanford.	Lambert, Watson, Flan- ders.
Jan. 24-27	Salamanca, N. Y.	C. H. Miller.	
Jan. 24-28	Harrisburg, Pa.	J. R. Gore.	J. Y. Bicknell.
		Royalton, Pa.	Jas. A. Tucker.
Jan. 24-28	Saginaw, Mich.	L. C. Baumann.	
Jan. 24-27	Temple, Tex.	Peyton Simms.	J. H. Drevenstedt.
Jan. 25-27	Kingston, N. Y.	F. E. Miller.	
Jan. 25-27	Charleston, W. Va.	Rifton, N. Y.	M. S. Fite.
Jan. 25-28	Enid, Okla.	J. B. Garwin.	Theo. Hewes.
Jan. 25-31	Dayton, Ohio.	I. W. Sherrick.	Geo. D. Holden.
Jan. 25-31	Luth, Minn.	J. C. Ely.	Russell, Ellison.
Jan. 30-Feb. 3	Mitchell, S. D.	H. Edmunds.	Geo. Holden.
Jan. 30-Feb. 4	Belvidere, Ill.	W. Scallin.	Delano, Shore, A. F. Pierce, Cass, J. F. Watson.
		C. M. Wachter.	
Jan. 31-Feb. 3	Keene, N. H.	C. R. Spalding.	F. H. Shellabarger.
Jan. 31-Feb. 4	Davenport, Iowa.	H. A. Skelley.	Chas. McClave.
Feb. 1-3	Hudson, Mich.	H. A. Boies.	
Feb. 1-4	Norwalk, Ohio.	T. P. Kellogg.	T. F. Rigg.
Feb. 2-4	Canton, Ohio.	C. P. Bruce.	S. H. Taylor.
Feb. 6-11	Montevideo, Minn.	G. E. Buchanan.	S. B. Johnston.
Jan. 19-23	Indianapolis, Ind.	C. Millhouse.	W. C. Pierce, Lane.
		2133 S. Meridian St.	Chas. McClave.
Feb. 6-11	Walla Walla, Wash.	J. A. Levy.	Hewes, Burgott, W. C. Pierce, Drevenstedt, W. J. Stanton.
Feb. 20-25	Pittsburg, Pa.	G. C. Sutch.	R. A. Davis.
		4 Lydia St.	Phil. Baumgartner.
Dec. 8-10	Bowie, Tex.	Mrs. W. R. Stewart.	W. P. Hawkins.
Dec. 21-24	West Chester, Pa. (Pigeons only.)	L. H. Miller.	Thos. M. Campbell.
Jan. 2-7	El Reno, O. T.	M. S. Fite.	Geo. D. Holden.
Jan. 3-7	Detroit, Mich.	D. Thomas.	
Jan. 10-14	Plymouth, Ind.	Cary Cummins.	F. A. Keller.
Jan. 10-16	Greenfield, Ohio.	Chas. S. Deemer.	
Jan. 11-14	Sycamore, Ohio.	B. E. Martin.	
Jan. 17-20	Fargo, N. D.	L. D. Canniff.	
Jan. 18-21	Salt Lake City, Utah.	T. J. Fanning.	
		1009 Lincoln Ave.	
Jan. 18-20	Montgomery, Ala.	L. D. Teasley.	
Jan. 23-26	Tionesta, Pa.	Jeff. Grove.	
Jan. 23-29	Kansas City, Mo.	P. H. De Pree.	
		932 Jackson Ave.	
Jan. 24-26	Mobile, Ala.	E. R. Quattlebaum.	
Jan. 24-28	Shelby, Ohio.	M. M. Hunter.	
		101 E. M St.	
Jan. 30-Feb. 4	Newark, N. J.	R. G. Bailey,	Ben. S. Myers.
		East Orange.	
Feb. 1-4	Norwalk, Ohio.	T. P. Kellogg.	Butler Field.
Feb. 1-4	Schnectady, N. Y.	H. B. Duryea.	Tucker.
Feb. 1-5	Toledo, Ohio.	A. T. Baker.	Mulinix.
Feb. 7-10	Leominster, Mass.	H. A. Benedict.	
Feb. 7-11	Pontiac, Mich.	D. Thomas.	
		193 Florence Ave.	

Shows Cancelled.

Dec. 19-23	Hoopeston, Ill.	A. L. Knox.	S. H. Taylor.
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Change of Dates.

Jan. 3-7	Newark, Ohio.	Thos. H. Jones.	Ira C. Keller.
Jan. 17-21	Cincinnati, Ohio.	A. E. Brooks.	Chas. McClave, F. C. Shepherd.

Change of Secretary.

Jan. 13-18	Bloomington, Ill.	J. H. Rader.	2535 Howard St.
Jan. 22-28	Louisville, Ky.	R. F. Tameling.	
Jan. 16-21	Boston, Mass.	S. H. Roberts, Box 800, Pawtucket, R. I.	

Change of Judge.

Jan. 25-27	Charleston, W. Va.	J. B. Garvin.	Ira C. Keller.
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COCHIN BANTAMS *Black, White and Buff.*

Seven first prizes at Madison Square, 1904.

DR. WILLIAM Y. FOX,

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SEEDS SOLD ON MERIT. Catalog free. The Ford plan saves you money. Satisfaction Guaranteed. Ford Seed Co. Dept. 6 Ravensa, O.

Show and Breeding Birds

cheap if taken at once. Stay White Wyandottes, S. C. White Leghorns and Mammoth Pekin Ducks. Young or old breeders \$1.50 each. We sell the best Cut Clover and Poultry Supplies. Circular free.

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25 PAT. APPLIED FOR

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is secretly locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind, No. to suit, 12, 15c; 25, 30c; 50, 50c; 100, 80c. Sample for stamp. Circular free.

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New Green Bone, Shell and Vegetable Gutter for the Poultryman.

Also Bone Mills for making phosphate and fertilizer at small cost for the farmer, from 1 to 40 horsepower. Farm Feed Mills grind fine, fast and easy. Send for circulars.

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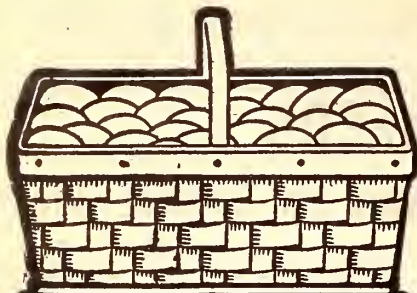
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THE RUSS

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40¢ a Doz

There's a Way To Make Poultry Pay

When eggs are 40¢ a dozen and broilers are 50¢ a pound most poultry-raisers have neither to sell. The way to make poultry pay is to have eggs to sell in the winter, when eggs are high, and broilers fat and ready for the early demand at the fancy prices that early broilers bring.

HARVEY'S Cut Clover Hay

makes poultry pay. Analysis shows that it contains many useful chemical elements necessary to the production of eggs. It aids the digestion and assimilation of other foods, and furnishes materials for muscle-building that makes healthy, strong, vigorous fowls — the kind that take "top-notch" prices. As a winter feed it is the best substitute known for the grubs and worms fowls find in summer. Increases egg-production — produces a higher grade of eggs.

HARVEY'S Electric Poultry Food

is a ground grain food made of many kinds of grains in proportion as extensive experimenting has proven most valuable. It is a perfect, well-balanced food, equally good for young chicks and growing fowls. A mash made of **Electric Poultry Food** and **Harvey's Cut Clover Hay** will assure good growth of young stock, a large production of eggs, and a healthy, vigorous flock.

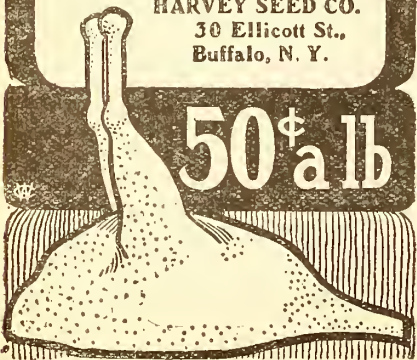
HARVEY'S MIXED GRAINS

meet the needs of a first-class grain feed. It is mixed with great care from a variety of selected grains and is especially suited to all kinds of poultry. **Harvey's Cut Clover Hay**, **Electric Poultry Food** and **Mixed Grains** furnish you an "ideal bill of fare" for your fowls.

There's a way to make poultry pay — feed the right way. The progressive poultry-raisers who have learned how to do this are coin-ing money in their poultry pens. Our free catalogue will tell you the way to make poultry pay. It lists a line of supplies you ought to know about.

HARVEY SEED CO.
30 Ellicott St.,
Buffalo, N. Y.

50¢ a lb



PEEP-O'-DAY OUTDOOR BROODER AND COLONY HOUSE COM- BINED. BUILT ON RUNNERS.

Poultrymen have been much in need of a large, roomy outdoor brooder, to be readily converted into a serviceable colony house after the chicks have taken on sufficient size.

Home-made brooder houses, built of dry goods and piano boxes, have been recommended from time to time and generally found wanting after the test of a season. "Wanting" in this case means loss of chicks, i. e., financial failure. And again, how can a poultryman living in a village, or even a small town, find suitable boxes in sufficient numbers to produce his brooders economically, taking into consideration the items of labor, hardware, glass and sundries? Suppose he does—what lamp and metal parts will he use? The lamp is the "make or break" of the brooder, and how can one succeed without the patented Peep-O'-Day lamp—the very "chick life preserver"?

As the result of numerous and repeated inquiries, the Cornell Incubator Manufacturing Company, Ithaca, N. Y., offers to the poultry fraternity its Peep-O'-Day outdoor brooder and colony house combined, built Peep-O'-Day way, and of the same shape as the No. 3 Peep-O'-Day colony house.

The new brooder, built throughout of selected tongued and grooved 1-inch pine, is 6 feet long and 3 feet deep in the clear. The front wall is 4 feet high and the back wall 2 feet, giving the roof of 22½ square feet over all, the right pitch to readily shed the water. It is most roomy and airy brooder constructed, with a floor space of 18 square feet and a cubical contents of 54 cubic feet, assuring to seventy-five or 100 chicks the requisite floor and breathing space, endowing them at birth with the Peep-O'-Day insurance policy, guaranteeing rapid growth and long life—for the Peep-O'-Day has never been known to default.

The brooder is equally divided by a movable partition into two compartments—the nursery and the sun parlor. The nursery end is double walled, top and sides, forming an insulated dead-air space lined with felt paper, and insures perfect warmth and uniform temperature. It is provided with a 24-inch Peep-O'-Day circular hover and a Peep-O'-Day lamp and metal parts. A glass door 20 inches square furnishes plenty of light and easy access to the chicks; it reduces to a minimum the duties of feeding, watering and cleaning. A movable sill brings the nursery floor flush with the bottom of the door and permits the droppings to be readily raked or swept into the open.

The sun parlor occupies the other end of the house and is connected with the nursery by an inside door and short run. It is provided with a compound wire and glass outside door 26 inches square. On warm nights the glass door is hooked up in position to admit the pure air at the will of the operator and the wire door remains closed and protects the chicks from all vermin.

A roofed and wire-covered run 3 feet by 12 feet can be attached to the sun parlor end of the house and in the 1905 model Cornell brooder and colony house combined the poultryman has a perfect machine, which cares for the chicks from the moment they are taken from the incubator to the time they have acquired the dignity of pullet and cockerelhood and are removed into winter quarters.

To transform the combination brooder into a colony house, simply slip out the middle partition and hover floor and you have a perfect and substantial colony coop.

Last but not least, the house is built on runners and can be easily pulled to fresh ground and new, sweet grass, so essential to the growing chick. This original Cornell feature in brooder house construction cannot fail to commend itself to the practical poultryman.

GET EGGS NOW.

Now is the time to get busy at making the hens lay. The prices of eggs have reached a mighty high mark and they are getting higher.

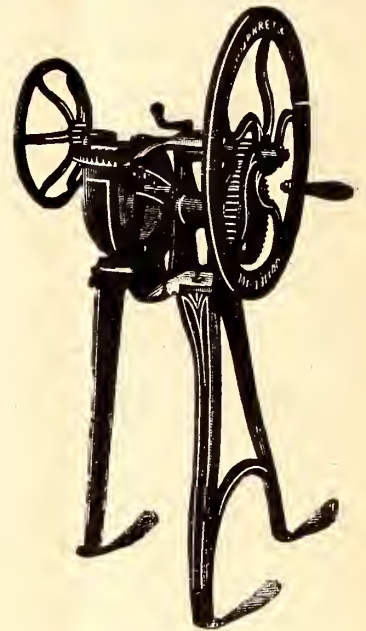
Give the hens the feed that will enable them to fill the egg basket.

"You can't make a silk purse out of a sow's ear," and the hen can't produce eggs unless you give her the right materials. The one thing most necessary for her for this purpose is cut green bone. It contains a large percentage of protein and lime, and supplies just those elements that are lacking in ordinary feeds, and is especially

valuable in making pullets lay at this time of the year when their eggs bring the greatest profits.

Most all of our readers know this, however, and perhaps the best help we can give them is to suggest the easiest and best way of preparing it. There are a number of bone cutters on the market, but of course some are better than others and it may be hard for the inexperienced to choose.

The bone cutter we know the most about is The Humphrey open hopper green bone and vegetable cutter, manufactured by Humphrey & Sons, of Joliet, Ill. This is an open hopper machine, free from partitions, with no springs, split nuts or other com-



plicated parts to break or get out of order.

Humphrey guarantees this machine to cut more bone, in better condition, in less time, and with less labor than any other bone cutter. If their claims are found to be untrue they refund the money. When such a reliable firm backs up an article with such a guarantee as that it must be about right. One other advantage about this bone cutter is that it turns so easily, and you don't have to chop the bones up in small pieces with an ax, either.

It is operated with one hand and may be regulated to cut as fast or as slow as desired. It is just such a machine as poultry raisers have felt the need of for a long time, so its great popularity is not surprising. Another reason why so many of these machines are in use today is that they are sold on a broad and liberal free trial plan which permits poultrymen to decide upon buying it after they use it instead of before. This method appeals to every one, and we advise all those who have not got one of these excellent bone cutters to find out more about them.

The Humphrey catalogue is something more than a mere advertisement. It contains much valuable information for poultry raisers and is sent free to all who ask for it. If you want one of these books address Humphrey, White St. Factory, Joliet, Ill.

Messrs. Smith and Arford, of Oakwood Poultry Farms, Marshall, Ill., offer, this month, good breeders in Single Comb White Leghorn and White Wyandotte stock at cut prices; cockerels, \$2 each; females, \$1.50; trios, \$4.50. This stock is much of it descended from Indianapolis and Terre Haute winners. They raise their stock on two large farms, and while in the breeding season their stock is carefully yarded and mated, all young stock has free, wide range. They guarantee what they are now sending out to be worth more than the price asked and they stand ready to return the money of any dissatisfied customer.

In our December issue, on page 782, in the illustrations of the World's Fair jurors, we by mistake placed the name of F. J. Bridge, Atlanta, Ga., where the name of F. J. Marshall, Atlanta, Ga., should have been. Mr. Marshall is one of the oldest poultry judges in the country and is one of four judges who officiated at both the Chicago and St. Louis World's Fair.

CHATHAM INCUBATORS AND BROODERS.

When the Manson Campbell Co., of Chatham, Ont., and Detroit, Mich., whose famous product, the Chatham Fanning Mill, is known from one end of the world to the other, decided to manufacture a line of incubators and brooders, the mere announcement was taken as a guarantee of quality.

For two years Chatham incubators and brooders have been upon the market. They no longer stand in the reflected glory of the Chatham Fanning Mill, but have achieved a fame and popularity of their own.

The same high quality for which the name Campbell has long stood is found in every part of these machines—in the smallest detail of construction.

Chatham incubators and brooders have been tested by many of the leading poultrymen of America, have been tried and not found wanting—for their modern improvements and reliable construction have made them known as the "machines that insure a full hatch."

The Manson Campbell Co. expended large sums of money and years of experimenting before the Chatham incubators and brooders were placed on the market, hence there is not a weak point to be found, but they embody all the improvements that are improvements.

They are made with two walls, within case, case of honey-dried material that has been thoroughly dried on the company's premises, are finished in antique oak, built solidly and substantially to endure for years. The steel and brass regulation is automatic in action, and insures correct heat and ventilation for a successful hatch.

The Chatham incubators and brooders are offered upon long time terms of payment. They are sent freight prepaid, and the purchaser is given many months in which to finish paying. In the meantime the machine performs the task of paying for itself.

The company has just issued a handsome and interesting new book on Chatham Incubators and Brooders which tells a story of great importance to all interested in chicken raising. The booklet may be obtained free by addressing the Manson Campbell Co., 29 Wesson Ave., Detroit, Mich.

You will notice in another column of this JOURNAL a cut of E. H. Turner & Co.'s automatic poultry feeder and water fountain, and young chick protector combined, a very necessary and useful article in the poultry yard. If you could look into the feed can you would see the adjustable water can, which holds about two gallons of water, with a 3-inch air space around it, and when the lid is on the large can the sun and hot air cannot get to it. The feed is put into the large can around water can holding about three gallons, and it feeds down into trough on outside. It will feed any kind of dry feed, one kind or more, crumbled corn, bread, grain, grit, charcoal, etc., leaving it to choice of fowls. In the spring, when you are hatching your young chicks, you can slip on the Young Chick Protector, which fits closely around the feed can, and it forms a roof over the feed in the trough on outside, keeping it dry in time of rain.

The upright wires around the outside of Protector are adjustable, which enables you to make the mesh any size you wish to admit the small chicks and keep out the large ones. You do not need to build pens. Just set your feeder in the yard with your old poultry and your young chicks are protected while feeding. One filling by test will feed 125 chicks a week, and it will feed from 500 to 700 day after day. You fill it with feed and water and you can go about your other work. Go to town, and your chicks are fed and watered. This device is very cheap and will pay for itself in a short time in the saving of labor and feed. It received a large number of very favorable comments at the World's Fair poultry show. Write for prices. Agents wanted. E. H. Turner & Co., Tipton, Iowa.

We have a letter from J. F. Davis, of Macedonia, Iowa, in which he calls our attention to an error in the December issue, where we credited him with an illustration with the first prize Buff Cochins cockerel. While the bird belongs to Mr. Davis and secured the third prize, the first prize was won by Lee Potts, of Thornton, Ind. This was an error of the photographer who furnished us the photos, he having given the wrong description of the bird. Mr. Davis does not want to assume credit for any winning he did not receive.

MILLS' 1905 Seed, Plant and Poultry Catalogue

IS NOW READY. Best one we have ever issued. Many novelties just out. Choice new flowers for the ladies. Thousands of thoroughbred fowls, also eggs for hatching of over 20 varieties. One of the best INCUBATORS built, need exclusively on our farm. Many Great Bargains of all kinds which will interest you. Our "Lesson on Vegetables" is something new and very interesting. This new catalogue is free to any one, and if you mention this paper we will send you a sample packet of very choice new Sweet Corn free for trial. Will not be offered until next year, but earliest corn in the market. Worth dollars to you. Send for catalog to-day.

F. B. MILLS, Seedsman, Box 40 Rose Hill, Onondaga Co., N. Y.

I WANT YOU....

To know that I am in the market with my chickens for the season of 1905, and have the best stock I ever handled. My birds have taken over fifty first and second premiums this season—at the Denver Poultry Show, the Nebraska State Show and the Kearney County Fair, and I also captured four premiums out of six entries at the St. Louis Exposition. I have been 15 years in the chicken business and I believe I know what good fowls ought to be, and am prepared to offer you ROSE COMB BROWN LEGHORNS, BARRED PLYMOUTH ROCKS and BUFF ORPINGTONS that cannot be beaten by any of the breeders of this kind of chickens. If you want birds or eggs write for further information and prices.

JAS. H. TROUGH.

Pleasant Hill Poultry Farm.

Minden, Neb.

...ST. LOUIS WINNERS...

Hislop's American Strain of Toulouse Geese and his Golden Wyandottes again compete with the best in America and at the largest show—the great St. Louis Exposition. Geese, 3d and 4th cock; 1st and 3d cockerel; 3d and 7th hen; 5th and 6th pullet. Won more points than any other exhibitor in this class, and club's cup. Golden Wyandottes—the strongest class of this variety ever exhibited in the United States—4th cock, 4th cockerel, 1st and 3d hen, 5th pullet and 4th pen. Don't place orders till you see his circular giving prices, Pan American and Chicago winnings, etc., etc. Try his MITE DESTROYER, the most lasting and the cheapest ever offered the public. Satisfaction. Reference, First National Bank of his town.

B. F. HISLOP,

Milford, Ill.

Millville Poultry Farm Co.'s

PLYMOUTH ROCKS AND WYANDOTTES

At World's Fair, St. Louis

win more firsts than any three other exhibitors of their varieties. A grand total of 55 regular and special prizes in hottest competition ever known, makes best record ever made on their specialties. We offer you sons, daughters, brothers and sisters of our World's Fair winners at fair prices. Can sell you A 1 breeding birds or crack show birds, as you may choose. During December will sell a selected Pekin drake and five April ducks (unrelated) for \$15. In Plymouth Rocks we have Barred, Buff and White varieties. In Wyandottes, Buff and White. New 32-page illustrated catalogue is free, and we hope you will write your wants to

MILLVILLE POULTRY FARM CO.

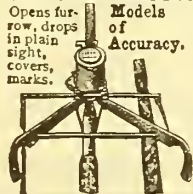
M. F. DELANO, Pres.

Box J, Millville, N. J.

MATTHEW'S "NEW UNIVERSAL" GARDEN TOOLS.

6 STYLES SEEDERS

Opens furrows, drops in plain sight, covers, marks. Models of Accuracy.



Double or Single Wheel Hoe, 6 Tools in 1.

Cultivator, Plow, Rake. Changes quickly made. Cultivate between or astride the rows. Any depth, any width.



Note High Arch and Plant Guards Bent Oak Handles on all Tools.

Combined seeder, marker, hoe, rake, plow, cultivator. Single or double wheel. Every adjustment easily made. For planting and all kinds of cultivation.



Send for FREE BOOKLET of valuable information for planting and cultivating the garden and full description of these implements.

AMES PLOW COMPANY, 64 MARKET STREET, BOSTON, MASS.

MICO SPAR

THE HEN'S GREATEST FEED GRINDER

Mico Spar Cubical Grit is a perfect digestant because it retains its cutting and grinding surfaces sharp and hard till entirely absorbed.

MICO SPAR CUBICAL GRIT

is not constipating. Its percentage of iron is well-balanced for yolk-forming; and the shell constituents—lime, magnesias, soda, aluminum—are all absorbed by the hen's shell-building organs. It costs a cent a pound in hundred pound bags at your dealers. Send for free circular.

International Mineral Co., 120 Tremont St., Boston





POULTRY SUPPLIES

of every description. Prairie State, Empire State and Star Incubators and Brooders. Drinking Fountains, Wire Netting, Spray Pumps, White Washing Machines, Powder and Liquid Lye, Killers, Roup and Cholera Cures, Condition Powders, Egg Foods, Oyster Shells, Beef Scraps, Dog Cakes and Medicines, and everything necessary for breeding poultry and pet stock. Our immense illustrated catalogue gives complete list. It is free; send for one.

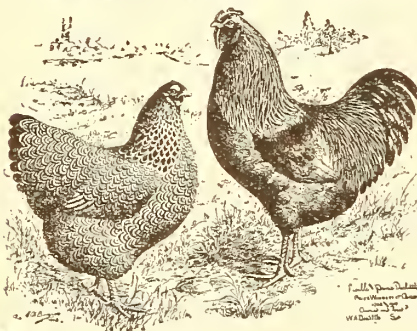
Excelsior Wire & Poultry Supply Co., Dept. Q, W. V. Russ, Prop., 26 & 28 Vesey St., N. Y. City

1868 NETTLETON'S LIGHT BRAHMAS 1904

Have the best lot of youngsters this season as to size, shape and color I ever raised, all true-bred. My Brahmas have won the blue at many exhibitions. A few grand breeding cocks for sale. Prices right. Satisfaction given. A few White Cochins, grand birds, for sale. Write for particulars.

C. P. NETTLETON

BOX 159, SHELTON, CONN.



They Always Win!

Doolittle's Partridge Wyandottes

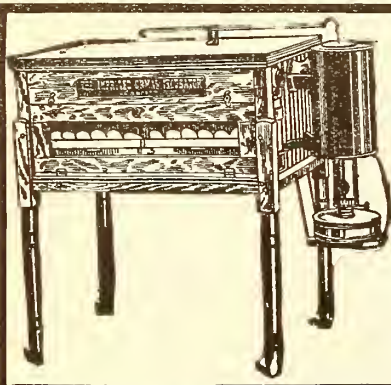
The strain that annually produces more prize specimens than all others combined. They have true Wyandotte shape, low, even combs, clean, yellow legs, with the grandest mahogany color and true Partridge markings.

Look at this Record—St. Louis World's Fair, 1904

With birds entered from Missouri, Indiana, Nebraska, Kansas, Ohio, Connecticut, Tennessee, Illinois, New York, Iowa, New Jersey, and Pennsylvania, my birds won 2d and 6th cock; 1st cockerel; 1st and 5th hen; 1st, 4th, and 5th pullet and specials for best colored male; best colored female and best shaped female. (no pens entered.) Who can beat it with ten entries in but a single class? This is nothing unusual for them. Send for card giving their Chicago and Boston winnings and you will see that it means something, and should interest you when looking for stock or eggs. To be in it means that you must get your blood where the champions are annually raised. A large color plate from life of a pair of Partridge Wyandottes mailed on receipt of ten cents in postage.

W. A. DOOLITTLE, The Partridge Wyandotte Breeder,

SABETHA, KANSAS



THE IMPROVED ORMAS

INCUBATORS from \$7 up
BROODERS from \$4.50 up

Self-Regulators, Self-Ventilators, No Supplied Moisture. Made of best California Redwood. Easy to operate. Fully guaranteed. Automatic Brass Regulator Automatic Ventilation. Send for Free Catalog.

BANTA MFG. CO., Ligonier, Ind.



FOR
HARDY
CHICKS

HARDING'S Baby Chick Food

makes baby chicks hardy. Makes vigorous, rapid growth, insuring chick life, so uncertain at this stage, that it more than saves its cost in saving life. It adds profit where loss is the usual result. One trial test will prove its worth. It saves worry and makes poultry raising pleasurable—profitable. 5 lb. cartons, 30c; 10 lb. bags, 50c; 50 lb. bags, \$1.50; 100 lb. bags, \$2.50, f. o. b. Binghamton, N. Y. Give your chicks a chance for life by giving them food that furnishes life—Harding's Baby Chick Food. Send for free catalogue containing good points for making poultry pay.

Geo. L. Harding, Box 333, Binghamton, N. Y. U. S. A.



FEED
HARDING'S
FOOD

KEEP YOUR FOWLS HEALTHY.

These cold winter days are attended by colds, catarrh, causer, roup, swelled head and other similar troubles and diseases of the poultry yard. It is poor business to allow your fowls to be so afflicted when roup and kindred diseases can be so easily prevented and cured. J. W. Miller, the big poultry man of Freeport, Ill., has not had a case of roup, nor even an ordinary cold, on his farm for years. He prevents it by a special remedy of his own which he calls "Ideal Roup Cure." He offers to send it to any of our readers, postage prepaid, for 50 cents and guarantees your money back if it does not effect a cure. A 50-cent package will make twenty-five gallons of medicine for your fowls. You simply use it in the regular drinking water given them.

We have received from the A. I. Root Co., manufacturers of bee-keepers' supplies, Medina, Ohio, a copy of their new book called "A. B. C. of Bee Culture," the one hundredth thousand edition. Bee keeping is rapidly coming to take a prominent place and works very nicely with poultry culture, for the busy months in bee culture follow after the busy months of poultry culture.

The book is a large one of 500 pages and contains, we believe, absolutely everything that is necessary in regard to successful bee keeping. We cannot say too much in its praise, for it is really a complete encyclopedia on everything pertaining to this industry. It is splendidly illustrated, printed on the finest paper, with heavy cover, and no poultryman's library can be complete without a copy of this. The A. I. Root Co. are an old established concern and are the leaders in this line of industry.

The book is issued in three styles: Full leather, \$2; half leather, \$1.75; cloth, \$1.25, postpaid.

H. A. Emmel, Mars, Pa., the originator of the "Gibraltar Victor" strain Light Brahmas, S. C. Buff Orpingtons and S. C. Brown Leghorns that have never failed to win the blue ribbons in national shows for him and his customers, has extra fine male birds for sale, including 1st prize Light Brahma cock and the S. C. B. Leghorn cock that headed his 1st prize pens at the largest shows, besides a grand lot of cockerels in all three varieties that will do any one good to breed from.

J. M. Williams & Co., of North Adams, Mich., writes that in looking over our write-up of the St. Louis show they notice an error on R. C. Buff Orpingtons. They won 1st cock, 1st cockerel, 2nd and 3rd hen, 1st and 2nd pullet and 1st pen. We did not mention their names at all, but mentioned some one else as winners.

We regret that an error occurred, but wish to assure our readers that the list of winnings published was the list furnished us by the St. Louis show authorities. Therefore we cannot assume responsibility for them. If any errors have occurred, we will, upon proper authority from the managers of the St. Louis show, take great pleasure in making corrections.

The Winchester Poultry Yards, Winchester, Ky., are closing out their Light Brahmas and Silver Laced Wyandottes and in the future will breed White and Black Minorcas, Barred Plymouth Rocks and S. C. Brown Leghorns. This stock will be bred on three separate farms. They are now prepared to handle the egg trade and will sell eggs from their winners at the World's Fair, Washington, Cincinnati and Hamilton, Ohio; Indianapolis and New Albany, Ind., and Louisville, Ky. Their catalogue will be ready February 1 and is free to all who mention AMERICAN POULTRY JOURNAL.

George A. Heyl, of Washington, Ill., exhibited his fowls at the Ottawa Poultry Show, December, 1904, and won thirty-seven firsts, six seconds and seven thirds and two silver cups, one on the ten highest scoring birds in the show and one for best display of water fowls, all in strong competition. By referring to Mr. Heyl's ad on another page you will see that he is giving away a Shetland pony as a prize for the largest order for fowls sent in by February 1, 1905.

Chas. G. Miller & Son, Booneville, Mo., the Langshan specialists, have been breeding Langshans for the past twenty years and certainly know how to produce the good ones. They have some choice stock for sale in both White and Black Langshans. Look up their ad elsewhere in this issue and write them for prices.

THE HAWKEYE SPECIAL INCUBATOR FOR 1905.

The old and well-known Hawkeye Incubator Co., who own and operate one of the best equipped incubator factories in the United States at Newton, Iowa, announce a special machine at a very reasonable price for 1905 known at their Hawkeye Special.

They send this machine out on their regular 30 days' free trial plan, which gives the purchaser an opportunity of testing the machine very carefully and taking off a hatch of chickens before he fully decides to keep it.

These special machines are made in two sizes—100 and 200 eggs—and the company announce that these machines have all the late improvements of the Hawkeye factory and that they are first-class in every respect.

They are backed by their bank bond and every one who has had anything to do with the Hawkeye Incubator Company knows that whatever is put out by this company can be depended upon.

Their guarantee is good and their free trial plan is a fair method of selling goods.

The Hawkeye Special 100-egg machine sells for \$12.

Owing to the fact that the Hawkeye Incubator Company is a very responsible concern, we recommend to our readers that if they are contemplating buying an incubator, they should most certainly send and get the Hawkeye catalogue and also the special catalogue on the Hawkeye Special before they buy the other machine, as these two books have a lot of useful information in them regarding the successful raising of poultry, besides giving prices and descriptions of the different incubators and brooders manufactured by the Hawkeye Incubator Company. A postal card to the concern will bring these books at once. In writing address the Hawkeye Incubator Co., Box 2, Newton, Iowa.

H. G. Fish, Columbus Station, Ohio, has bred Silver Wyandottes for the past nine years and has built up a strain that is second to none. Owing to the press of other business he has not the time to devote to his fowls and has decided to close them out at half price. At the late Cleveland show he won 3d cock, 5th hen, 1st and 4th pullet and 2d pen. At Columbus last February his birds won 3d and 4th cock, 1st and 4th hen, 1st, 2d and 4th pullet, 2d cockerel, 1st pen and special for best cock, hen, cockerel and pullet. At the World's Fair, St. Louis, he won 7th on pen. Look up his special ad. elsewhere in this issue.

Delaware, Ohio, Dec. 4, 1904.
To Friends and Enquirers:

On account of continued illness and sorrow in my family I have neglected to a great extent my correspondence for the past few months. I desire to apologize for the same and wish to assure all that in the future all communications and orders will receive prompt attention. Respectfully,
CHARLES C. REED,

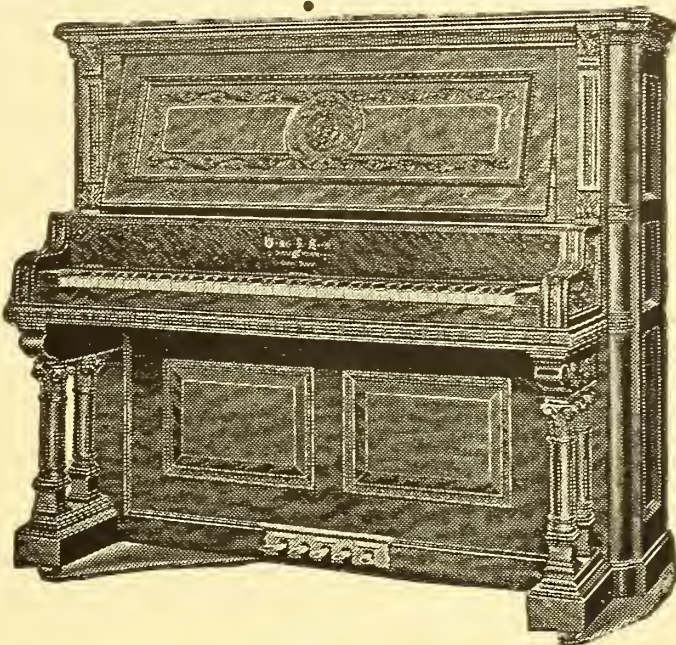
Manager Olentangy Poultry Yards.
F. L. Hooper endorses linseed meal as a wonderful egg producer, muscle grower, bone maker, flesh former, health promoter and digester, and a preventative of roup, indigestion, and many other disorders of the fowl family.

"For 36 Years a Standard Piano"

WING PIANOS

SOLD DIRECT FROM THE FACTORY—AND IN NO OTHER WAY.

When you buy a Wing Piano you buy at wholesale. You pay the actual cost of making it with only our wholesale profit added. When you buy a piano, as many people do—at retail—you pay the retail dealer's store rent and other expenses; you pay his profit and you pay the commission or salary of the agents or salesmen he employs. The retail profit on a piano is never less than \$75; often it is as much as \$200. This is what you save by buying a Wing Piano direct from the factory. Isn't it worth saving? Our plan of selling is not an experiment, but a great success. In 36 years over 38,000 Wing Pianos have been manufactured and sold. They are recommended by seven Governors of States; by musical colleges and schools; by prominent orchestra leaders, music teachers and musicians. Every Wing Piano is guaranteed for 12 years against any defect in tone, action, workmanship, or material.



A Wing Style—45 Other Styles to Select From.

Sent on Trial

We Pay Freight No Money In Advance

We will place a Wing Piano in any home in the United States on trial without asking for any advance payment or deposit. We pay the freight and other charges in advance. If the piano is not satisfactory after 20 days' trial in your home, we take it back entirely at our expense. You pay us nothing and are under no more obligations to keep the piano than if you were examining at our factory. There is absolutely no risk or expense to you. Old instruments taken in exchange.

Small Easy Monthly Payments

Instrumental Attachment imitates perfectly the tones of the mandolin, guitar, harp, zither, and banjo. Music written for these instruments, with and without piano accompaniment, can be played just as perfectly by a single player on the piano as though rendered by an orchestra. The original instrumental attachment has been patented by us and it cannot be had in any other piano.

Wing Organs are made with the same care and sold in the same way as Wing Pianos. Separate organ catalogue sent on request.

A Book You Need—FREE If you intend to buy a piano you need the "Book of Complete Information About Pianos," which we publish and will send free if you write for it. It tells everything that anyone can possibly want to know about pianos. If read carefully it will make you a judge of tone, action, workmanship and finish. It is the only book of its kind ever published. You can have it free if you send us your name and address.

WING & SON 350-395 West 13th Street, NEW YORK CITY
36th year—Established 1868.



A MARKER THAT PLEASES

It's ready bent. You snap it on and it stays. Made of aluminum with large raised figures, easy to read. Made in sizes to fit all fowls. Anybody who tries

The Convenient Leg Band

always uses it. The one band that gives universal satisfaction. **PRICES**—12 bands 20c; 30 bands 45c; 60 bands 75c; 100 bands \$1. Write me to mail you free sample.

H. O. SHAW, BOX 103, GRINNELL, IOWA.

BARRED ROCKS FARMER'S STRAIN

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SILVER SPANGLED HAMBURGS. Choice cockerels bred from Schenectady winners, for sale reasonable. Earle Wilson, Salem, N. Y. 11-4

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HIGH GRADE HOUDANS—Some fine birds for sale. H. M. Sparboe, Webster City, Ia. 1-3

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TEMPLETON'S WHITE INDIANS won four firsts, two seconds, three thirds at the World's Fair, and our "Victor" Cornish Indians, in the bands of our patrons, won numerous prizes. W. S. Templeton, Box A, Dakota, Ill. 12-3

CORNISH INDIANS—World's Fair, Milwaukee, Grand Rapids, Oshkosh winners. Score to 94½. H. A. Huey, Cassovia, Mich. 12-3

BANTAMS.

LARGE JAPANESE BANTAM ADVERTISEMENT on page 78. Frank Radford, Oshkosh, Wis. 1-1

BUFF COCHIN BANTAMS, \$2.00 apiece, \$5.00 a pen. Prices far below quality. Walter A. Drott, 523 Elberon Ave., Cincinnati, O. 1-1

WON MORE FIRST prizes Pan-American Exposition on Golden and Silver Sables than all competitors combined. Choice Buff Cochins Bantams. 200 youngsters cheap. Clyde Proper, Schobarie, N. Y. 11-3

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CHICKS! Newly hatched Rocks, Leghorns, Wyandottes, expressed with safety to distant states. Write for circular. Freeport Hatchery Co., Freeport, Mich. 1-3

EGGS FOR HATCHING—White Wyandottes, Buff Rocks, Buff Leghorns. Best strains in America. Write for prices. E. S. Hassler, Wernersville, Pa. 1-5

SILVER LACED WYANDOTTE and White Rock cockerels, \$1.00 each. Mrs. L. Guthrie, Bentonsport, Iowa. 1-1

FOR SALE—Pure blood Barred Rocks and Indian Games. Cleaning these birds out to make room for our White Leghorns. Prices quoted on application. Studebaker Model Poultry and Egg Farms, Box 15, South Bend, Ind. 1-1

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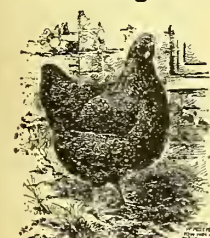
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1st hen at New York, 1904 Brockton, Mass.

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I have mated five pens for breeding purposes this season. There is not a bird in the lot but what is strictly high class, having selected them from a flock of 300 line-bred birds. Will give my customers eggs from the same pens that I hatch from, as they are the only birds I have on my place. Let me book your order for eggs now and ship when wanted. Eggs, \$2.50 per 15. No reduction in quantities. Stock all sold out.

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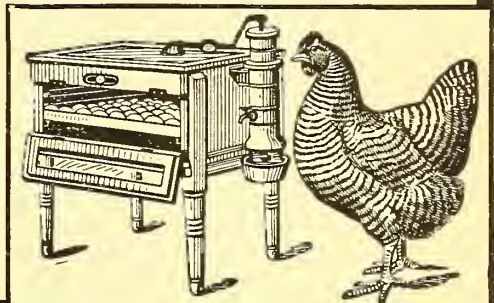
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1st cock, 1st pen, 2d cockerel, etc., pronounced by the most experienced and competent critics, such as Mr. Mr. McGrew, as the equal of any that have ever been shown in America. One cock described as simply a wonder. What higher eulogy can any ambitious breeder desire. These noted birds were bred in my own yards and I have many more like them that I am now offering for sale at low prices considering quality, as I do not intend to exhibit again this year. Write at once for what you want to

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WINTER AT ALL THE LEADING SHOWS

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Can supply winners and breeders. They are right.

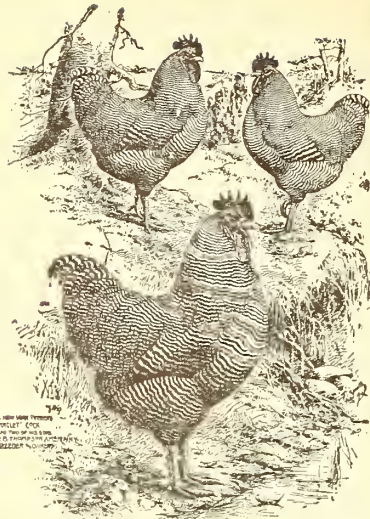
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A "Ringlet" 1st Prize New York Cockerel and two of his sons.

"RINGLETS" Soar Still Higher.

At the Imperial Show of the Nation, Madison Square Garden, New York, January, 1903.

E. B. THOMPSON'S BARRED P. ROCKS

Stamped their superiority in the most decisive manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen and pullet. This is the third time the "Ringlets" have won this grandest of all trophies, giving them now absolute and final ownership. In this "COLOSSAL CONFLICT" the "Ringlets" lifted the great National Sweepstakes Cup presented by the American Plymouth Rock Club for best cock, cockerel, hen and pullet. My Barred Rocks won double the number of silver cups and special prizes of any competitor, including the sweepstakes special in gold for best Plymouth Rock on exhibition male or female any variety.

The "RINGLET" World's Record of four years in succession at New York is a page of history. The "RINGLET" World's Record of first on exhibition pen at this great show, three years in succession, is the undisputed champion.

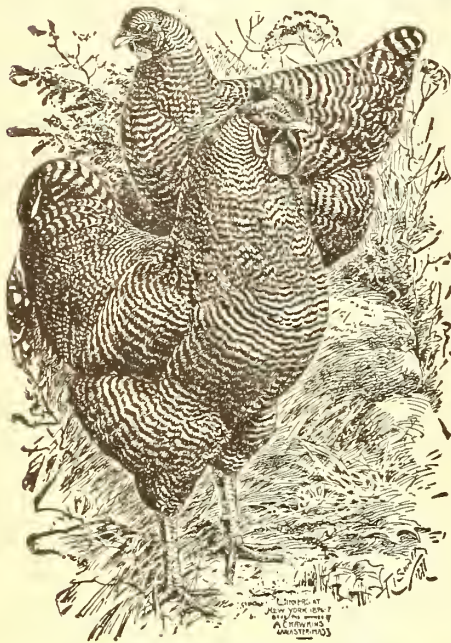
The "Ringlet" clean sweep 1st, 2d, 3d, 4th and 5th prizes on pullets has never been approached at Madison Sq. Garden, and stands alone and unequalled.

The "Ringlets" have won at New York—exhibited by me personally—a grand total of 87 prizes. 36 of these are 1sts and specials, being more than double the number of 1st and special prizes won by any competitor in the history of the show.

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Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others. My matings this season are the best I ever owned. * * * * *

At the Great National Show, WASHINGTON, D.C., in hot competition with over 300 birds of these varieties, the best that could be found regardless of price, I won 45 Regular and Special Prizes on 39 Entries, including First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show (Bantams excluded), and this on my First Prize Barred P. Rock Cockerel. My winning White Wyandotte cock was pronounced by the judges to be the best they had ever seen. I won twice as many first prizes as all other exhibitors of these varieties. My BUFF ROCKS, at Boston, 1899, in hot competition, won more first and special prizes than all others. My customers are winning all over the country. If you want the BEST, write me. Hundreds of Choice Exhibition and Breeding Birds at Honest Prices. Catalogue of America's finest Plymouth Rocks and Wyandottes free.

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BUFF WYANDOTTES

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Something never accomplished before in the Buff Wyandotte class at a Chicago show. We won 1st, 2d, 3d, 4th cocks; 1st, 2d, 3d, 4th, 5th hens; 1st, 2d, 3d cockerels; 1st, 2d, 4th pullets; 1st pen; cup for display and every special offered. We prove every season, in competition, that our strain and stock is best. 1500 birds for sale at living prices. Why not come to headquarters? Avoid mistakes and disappointments. It costs no more and you will have no regrets. Catalogue free. We solicit your inquiries and are pleased to tell you all about the best general purpose breed of fowls on the market to-day. Best layers, best table fowl, best to look at. See ad on page 45.

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Largest Breeders of Buff Wyandottes in the World.

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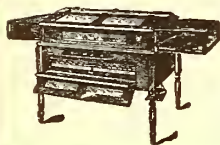
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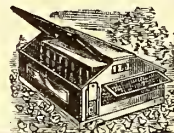
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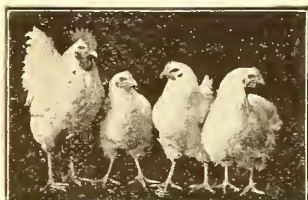
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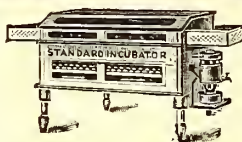
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are better than ever. Made a clean sweep of the Pontiac Show, Dec. 27th to the 31st, 1904, winning 22 regular and all specials and silver cup for best display in Rock class—Barred, White and Buff competing. Send for circular; it is now ready. Sent free. Orders booked now for eggs. A few more cockerels and pullets for sale; hot ones for the money.

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Have won in the hottest competition in the country, many of them scoring 96. He has winners for you and score cards for them if desired. He guarantees satisfaction. Reference, First National Bank.

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We just received five letters from California, all in one day. Our secret is living air and tons of it, and not hot, dry, dead air. P. Miller & Ridell, Petaluma, Cal., 100 per cent raised four times. H. H. Brown, Calistoga, Cal., 97 per cent hatched and 100 per cent raised three times. F. E. Calderwood 100 per cent raised six times. Napa, Cal., A. Warren Robinson. 95 to 100 per cent is positive every time. Dozens of the large egg farmers say your Incubators and Brooders are wonderful; we have never seen chicks grow so. Air, hover and a natural heat does it. Petaluma, Cal., F. S. Low: It's no trick to raise 95 to 100 per cent with your Brooder on a large scale. We now have over 100 of your Brooders on our egg ranch out on the Colney plan. Send for 1905 catalogue, its free, of 100 per cent reports. New Improved Incubator: its a real hen; and our 96-page 1904 catalogue 15c. "Nature and Its Laws, and the Hens' Secrets," a book of information, something you never saw in print before. R. I. Red eggs \$10 per 100. Pullets or hens in doz. lots \$2.50 each.

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Original Cherry Red Strain

At Michigan State Poultry Association Show at Detroit, 1st and 2d chl., 93%; 92: 1st and 2d hen, 93, 92; 1st and 2d pullet, 91, 89%; cut one point on weight. Judges, Tucker and Butterfield.

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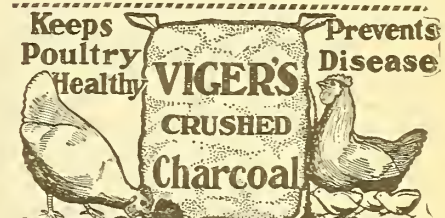
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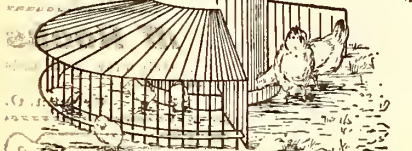
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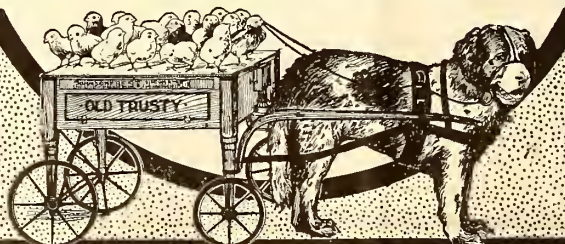
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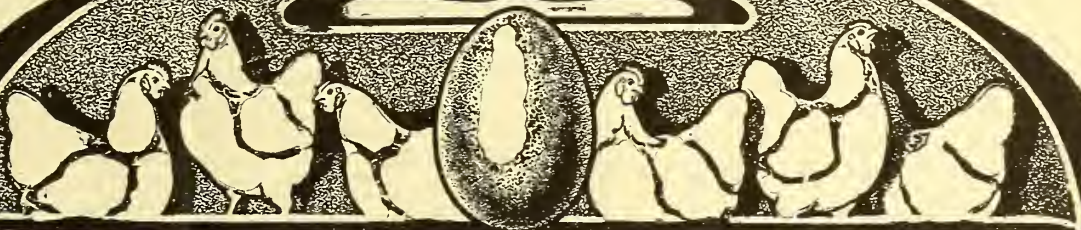
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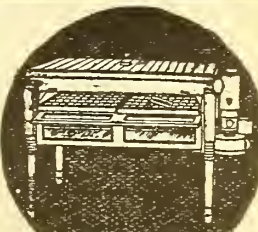
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Barred Rocks, 1904,

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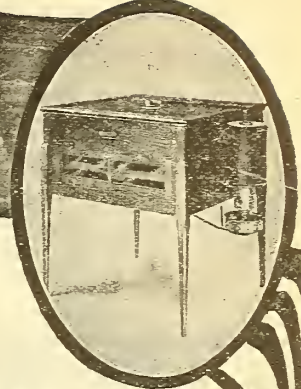
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Patent applied for.

There can be no stronger evidence in support of my claim for the superiority of the Model over all others than is in the fact of its adoption by the market poultrymen, whose profits are regulated by the percentage of eggs hatched, and who are using it exclusively, replacing other makes at great expense.

Is not the incubator that is actually doing this "Making Good?"

One of the large farms changing over this month is that of Messrs. W. H. & John C. McCormick, Yardley, Penn. Here sixty-seven Cyphers incubators will be replaced with Models.

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PINE TREE CHICKEN HATCHERY

Barred Plymouth Rocks
Buff Plymouth Rocks

Single Comb White Leghorns
White Wyandottes

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FREE

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Pure Bred Poultry for breeding and exhibition in all standard breeds and varieties always for sale. They're money makers. Eggs for hatching. Write for prices and free catalog.



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Don't take our word, but write our patrons. Among those doing this with our incubators are: Mrs. Eric Brack, Havensville, Kan.; Mrs. W. F. Graham, R. R. No. 1, New Hartford, Ia.; G. F. Mankin, L. B. 54, Luther, Mich.; Bert S. Robinson, R. 3, Urbana, Ohio. Send for FREE catalogue, giving others in every state.

Don't keep it if it don't suit in every respect. Sold on

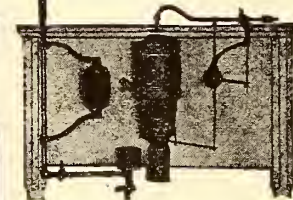
30 DAYS' TRIAL

Box 2

Brooders all sizes and kinds, from \$3.00 up. **SPRINGFIELD, OHIO.**

Will Your Incubator Do This?

Will your incubator hatch a setting of eggs with one-half the oil you now use? Will your wick burn 21 days without trimming? Will your regulator control the flame, raise or lower it as required? Will your burner burn without charring wick, overheating, causing liability to fire? Will your machine save half the time, half the labor, half the cost of operation? Put on this outfit and it will do even more. It will make your old machine do better than it ever could do, besides save you many dollars and much annoyance. Its combined damper and flame regulation alone **saves half the oil**. Its burner saves danger from fire—**can't overheat**. Its wick saves trimming—**never needs it**. Its regulator controls both flame and damper (see cut); this avoids too high or too low a flame.



saves seventy-five per cent. of gas.

ACME AUTOMATIC LAMP AND COMPOUND REGULATOR

make hatching or rearing both pleasurable and profitable. Sold separately or together. Fit any machine; any one can attach them. Send for catalog giving detailed description and our full line of fixtures, including illustrated plans for building the famous Peerless Incubators and Brooders. Nearly 100 photographic views showing step by step every stage of incubator construction. It's free. Our new gas regulating burner for incubators

H. M. SHEER CO., BOX 104, QUINCY, ILL.

FROM BIG TREES



TO PETALUMA INCUBATORS



California Redwood

has been used for twenty-four years in the manufacture of

PETALUMA

Incubators and Brooders

(Awarded Gold Medal at St. Louis Exposition, 1904)

because we have found it superior to all other kinds. Several other incubator makers are giving their testimony to our good judgment by advertising to also use California Redwood. It is not only true that Petaluma Incubators and Brooders are made of the best lumber in the world, but every other article used in their construction is of the highest grade, and therefore these "Standard of the World" Incubators and Brooders occupy the same relative position to all other Incubators and Brooders that the mighty California Redwoods do to other trees.

Read "A Bit of Incubator History," in our new catalogue. We send it free. Address nearest office.

PETALUMA INCUBATOR CO.

Box 150, Petaluma, Cal., or
Box 150, Indianapolis, Ind.

Something to Think About Before You Buy an Incubator



It is a fact that a large percentage of persons who buy incubators are **not** satisfied with their purchase. Because a large percentage of the incubators sold do **not** do satisfactory work. They do **not** work satisfactorily because they are built purely on theoretical lines—nine times out of ten the manufacturer who makes them hardly knows a hen from a goose. How can you expect a purely theoretical workman to build a practical machine? Now, I do not claim to be the only man in the business who knows anything about incubation, but I do claim that in the past 20 years I have experimented with more machines and hatched more chicks on my **Millhook Poultry Farm** than any other manufacturer, and so have gained a wide range of hatching experience. As a result of my experience I found this: **I had to build an incubator myself, after my own plans, in order to get one that would give satisfactory results.** I have that sort of a machine in my line of

IDEAL

Incubators and Brooders.

These are now in the hands of thousands of poultry raisers the world over, and are giving better satisfaction, producing better results, costing less money to operate and causing less trouble than any other incubator or brooder ever built. The simple explanation is that

(1)—They are built on a better plan. (2)—They are more carefully built and more rigidly inspected. (3)—They are **built by a man who knows** from 20 years experience on the largest pure-bred poultry farm in the world, exactly what is needed to produce vigorous, healthy chicks at the least expense.

I do not want to criticise the methods of other manufacturers, nor to belittle their machines, but I do say that every reader of the **Reliable Poultry Journal** will find it to his advantage to send to-day for our great book, "Poultry for Profit," and to investigate

OUR FREE TRIAL OFFER.

We will ship you an Ideal Incubator or Brooder, any size, on 30 days free trial. If you do not find it entirely satisfactory in every way, return it at our expense.

We Pay All Freight Charges

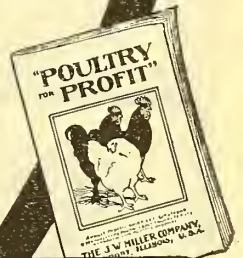
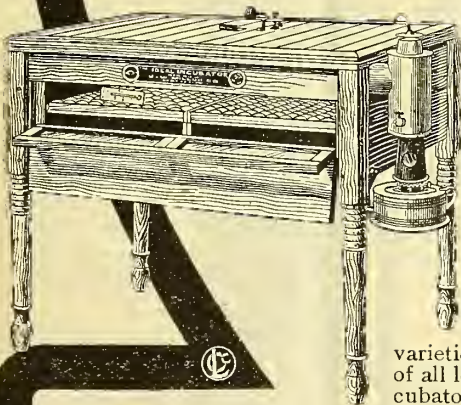
If we did not believe the Ideal to be the most practical and most satisfactory incubator ever built, we could not make this offer.

Send For This Free Book.

"Poultry for Profit," 112 pages, handsomely illustrated; 24 full page pictures of leading varieties of fowls, drawn from life; full description of all leading breeds; 18 years experience in use of incubators; selection of breeding stock; the best incubator to buy; how to feed fowls of all ages; cures for poultry diseases; poultry

questions answered, together with descriptions of the **Millhook Poultry Farm** and of the best and most profitable poultry supplies, appliances, remedies and aids to money-making. The book cost us \$5,000; it's free to you. As a sensible poultry raiser who wants to make the most money possible from your fowls can you afford to neglect to investigate what we offer? Send today for our proposition.

J. W. Miller Company, Box 56, Freeport, Ill.





THE SANITARY PORTABLE HOUSES are light, warm and dry. Good house for renter and city breeder. **SIX STYLES AND SIZES.** Prices reasonable, material and workmanship A1. Low freight rates. Use box No. in writing for Catalog. **Box 1** **SANITARY HOUSE CO., Lemont, Ill.**

AT GREAT ST. LOUIS WORLD'S FAIR OUR

...Partridge Wyandottes...

Won 1st cock, 1st pen, 2d pullet in competition with the best in the world. Our **SILVER PENCILLED WYANDOTTES** are just as good and we have hundreds of the finest exhibition and breeding stock of both varieties for sale.

CARVER & AVEY,

Box A, Columbia City, Ind.

Barred Plymouth Rocks, Pekin Ducks, Bronze Turkeys

—Special Price for February—

Bradley Bros. strain B. P. R. Prices from \$1 up according to number wanted and quality. Bronze toms, 1904 hatch, well marked and heavy boned, sired by a 40-pound tom of "National" strain, strong in markings, price \$4. Pekin Drakes, 8 to 10 pounds, best blood, \$1.50; three for \$4. Order from advertisement or write if further description is wanted.

MRS. A. J. COLVIN,

R. R. No. 1, Pearl, Ill.

Single Comb White Leghorns

Eggs for hatching from the very best of modern Leghorns of large size, snow white plumage, bright yellow legs and beaks, fine combs and lobes, mated to produce exhibition stock, at \$2 and \$3 per 15. Write for list of matings. Some fine breeding cockerels for sale.

JOHNSON BROS.,

110 Angle Ave., Council Bluffs, Iowa.

Tunnel Siding Poultry Yards

Nine and one-tenth acres and all my breeders for sale if I sell the place before March 1st, 1905. This is the home of a choice lot of Barred Rocks. 28 years a breeder.

JOE FARMER,

Fushing, Ohio.

Blue Ribbon Winners

Barred Ply. Rocks, White Wyandottes, R. I. Reds

Choice Stock for Sale—Fine Trios, \$12; Pens, Choice, \$20; Males, \$5, \$7, \$10. Females, \$3, \$5. Eggs—\$3 Per 15; \$5 per 30; \$10 Per 100.

Satisfaction guaranteed. Write to-day. We pay the charges on \$10 orders.

M. E. WURTS,

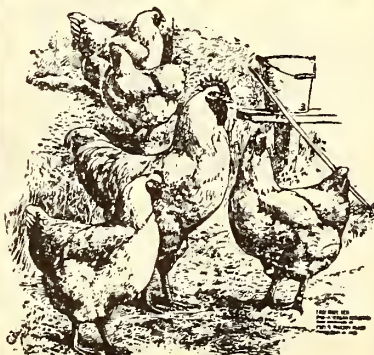
Sta. A, Cleveland, O.

BANNER ROUP CURE.



Banner Roup Cure is guaranteed to cure Roup, Colds and Canker in Poultry or Pigeons, or money refunded. Given in the drinking water and they take their own medicine. Price, 50 cents and \$1 per box, postpaid. Our immense illustrated catalogue free. Send for one.

EXCELSIOR WIRE & POULTRY SUPPLY CO., Dept. O,
W. V. RUSS, Proprietor. 26 & 28 Vesey St., New York City



White Ply. Rocks

One Hundred Breeding Yards

Headed by such males as 1st chl. St. Louis, 1st chl. Hagerstown, 1st chl. Indianapolis, 1st cock Chicago; 3d and 5th cock Chicago and many others. 24 page egg catalogue free. Hundreds of choice breeders for sale. Let me mate up a trio or pen for this season's breeding; the result will please you. 36-page stock catalogue, telling all about my birds, how to mate, how to score and other helpful hints, for stamp. Shall I hear from you, please?

MAY R. POULTRY PLANT

D. T. ROOTS, Proprietor,

Connorsville, Indiana.

Closing Out Sale

Because of business relations I am obliged to move into the city and so offer for sale my entire stock of Buff and White P. Rocks and Golden Wyandottes except one pen. I also have a few more White Cochins Bantams to offer. The above stock includes my prize winners and my best stock. Exhibition coops for sale cheap. Describe stock you wish and write for prices.

E. D. GOULD,

Box 77, Youngstown, Ohio.

MILES' BARRED ROCKS

are in front among the best on earth. Distinguished for unusually narrow, clear, ringy barring, birds of my exclusive breeding in my hands winning five-sixths of the prizes competed for. My customers have an almost sure thing.

G. A. MILES,

Laceyville, Pa.

—KEIG'S— BUFF Rocks

WON AT CHICAGO SHOW

Dec. 1904, 3d cock, 1st hen. 2d cockerel, 2d. 5th pullet and 1st pen on 6 entries. Jan., 1904, 1st pullet, 4th cockerel on 3 entries. Dec., 1903, 1st cock on one entry, besides scores of other prizes at Joliet, Illinois State Show, etc. A big lot of stock for sale.

EGGS \$2.00 per 15
\$3.00 from Selected Pens

Average hatch guaranteed.

JOHN J. KEIG & SONS,

Romeoville,

P. O., Lockport, Ill., R. D. 5.

SALZER'S SEEDS

Beardless Barley

The barley of your dreams; no beards; easy to harvest; always big yielding. Mr. Wells, of Orleans Co., N.Y., threshed 121 bu. per acre. You can beat this in 1905 if you try.

National Oats

The marvel and wonder in oats. Will yield for you on your own farm from 150 to 300 bu. in 1905. Try it.

Billion Dollar Grass and Teosinte

The two greatest forage plants of the century. Billion Dollar Grass will produce 12 tons of magnificent hay and Teosinte 80 tons of green fodder per acre. Catalog tells about it.

Look At These Yields

Speltz, 80 bu. grain per acre, and 4 tons of hay besides.

Macaroni Wheat, Rust Proof, 80 bu.

Victoria Rape, 40 tons of green food per acre.

Pea Oat, 85 tons.

Earliest Sweet Cane, 60 tons green food.

Potatoes, 800 bu. per acre.

Now such prodigious yields pay. You always get them when planting Salzer's Seeds.

Onion Seed 60c

a pound, and other vegetable seeds just as low. We are the largest Vegetable Seed growers in the world, operating 5000 acres.

\$10.00 for 10c

We wish you to try our great Farm Seeds, hence offer to send you a lot of Farm Seed Samples, fully worth \$10.00 to get a start, together with our great seed catalog, all for but 10c. postage, if you mention this paper.



John A. Salzer Seed Co. LACROSSE WIS.

Hahne's Light Brahmas

Winners wherever shown. Catalogue free. 100 youngsters, 30 hens, at moderate prices. Get my prices at once.

FRED HAHNE - - - - - 517 Webster St., Webster City Iowa.

Vanatta's Single Comb White Leghorns

The great winning and laying strain has again proven their superb merit by winning at ST. LOUIS WORLD'S FAIR. With 17 breeders competing in World's competition I won 7th, 9th cockerel, 2d, 8th hen, 2d, 6th, 9th pullet, 3d, 4th, 8th, 10th pen. In Missouri exhibit, 7 breeders competing. I won 1st, 2d, 3d cockerel, 1st, 2d hen, 1st, 2d, 3d pullet, 1st, 2d, 3d, pen. Also 3 cash club specials—winning 25 premiums and \$100 cash. No cock birds shown. Choice cockerels for sale. Eggs for hatching. Catalogue free.

E. E. VANATTA - - - - - R. F. D. NO. 8, VANDALIA, MO.

CORNISH INDIANS**WHITE INDIANS****W. WYANDOTTES**

{ Pen headed by the first cockerel at Milwaukee.

{ Pen headed by the 3d cockerel at the World's Fair, St. Louis.

{ Pen headed by a 95-point cockerel.

We are booking egg orders now from the above pens, also orders for Rouen, Muscovy, Indian Runner, Blue Swedish and Wild Mallard Ducks, White Chinese Geese and White Holland Turkeys.

ALLYN POULTRY FARM, - - - - - Delavan, Wis.

Darling's Beef Meal

is a protein feed—what the hens must have to make eggs come. Our special food for just that purpose. It goes to make up the egg. That's why hens are such great worm and bug catchers. In winter you must

Feed Them Protein

Our Beef Meal and Beef Scraps are high per cent protein, specially prepared, sweet, pure, never tainted. In 100 lb. bags. Beef Meal, \$1.80; Beef Scraps, \$2.25. Part of our Poultry Line: Granulated Bone, \$2.00; Clover Meal, \$2.00; Laying Food, \$2.25. Chick Feed, \$2.50, Oyster Shells, 60c.; Mica Crystal Grit, 65c. Also Cut Clover, Roup Cure, Lice Killers and full line Appliances. Our "Fill the Egg Basket" has come to be everybody's poultry book. Ask for it. Also the Complete Catalog. Both free.

DARLING & COMPANY, Dept. G Union Stock Yards, Chicago.

Booking Orders for Eggs

From prize winning Barred Plymouth Rocks, Light Brahmas, \$2 per 15; Bronze Turkey, \$5 per 10. Free circular.

GEO. O. Anderson, R. R. 5, Rushville, Ind.

White Wyandottes

Duston's breeding and exhibition birds of high quality, farm raised and bred in line from my prize winners. While they did not get any ribbons at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable prices, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN, - - - - - Beardstown, Ill.

Barred Rocks Exclusively

Winners at Illinois State Fair, 1902; Indiana State Fair, 1903 (A. P. A. Shows);

Illinois State Show, Jan. 2-7, 1905

They win for my customers too. First-class stock for sale. Eggs from best pens, \$3 per 15; incubator eggs, \$6 per 100.

MRS. TILLA LEACH 1 Main St., Cheneyville, Ill.

H. O. SEARS, reeder of Fancy Poultry

The home of the B. P. Rocks, also B. B. Red Game Bantams, Buff Cochins Bantams, Bronze and White Holland Turkeys, all standard varieties ducks and geese, including Blue Swedish Ducks and Wild Geese. Stock always for sale. Ornamental birds furnished for public or private parks. We win our share of the prizes wherever we show. Plenty of young turkeys. Satisfaction guaranteed. Garden Prairie, Ill.

**Bar. P. Rocks**

Close, narrow barring in all sections, from my winners. Also eggs. Mammoth Bronze Turkey eggs.

MRS. U. E. THURMOND
Louisiana, Mo.

THEY CAN'T BEAT THE "HAWKEYE"

Write for
FREE
Catalogue

**WE HAVE A QUICK
DELIVERY PLAN.**

FOR fifteen years manufacturers of incubators have been trying their best to beat the "Hawkeye," but so broad and basic are the exclusive patents on which its superiority rests, that they haven't yet built an incubator that will equal, much less excel it, and in our opinion they never can. We have always kept in the lead in the matter of improvements. Our "Hawkeye Special," which we show in the accompanying illustration, has every improvement and every device that adds value to an incubator, and it gives better results than any other make of incubator on the market at any price. Here's our advertising introductory offer—the best proposition on a high grade incubator that any reliable company has ever made. We will ship you on

30 DAYS FREE TRIAL
The "Hawkeye" Special Incubator

of 100-egg capacity—on the results of the trial we cheerfully rest our case. We do this because we want you to see and know that the special features we claim for the Hawkeye are genuine points of superiority. Here are some of the unique and valuable features of the Hawkeye—the foster mother of millions of healthy chicks: Simplicity of design—substantial construction, of the very best materials. Finished like a piece of fine furniture. Ventilation system that solves the all-important questions of moisture and evaporation. Hot water pipe 12-oz. cold-rolled copper heating system that maintains an even temperature—no cold corners. Automatic Regulator, of absolute accuracy. The Hawkeye Special Safety Lamp, Heat Deflector, Thermometer, and other devices give the finishing touches of perfection to this splendid incubator.

215 Chicks from 215 Eggs.

Hawkeye Incubator Company.

Gentlemen:—Enclose fifty cents, for which send me one incubator thermometer, and if this is not enough I will send the rest as soon as I hear from you. In my last hatch from the 240 egg Hawkeye I took off 215 chicks from 215 eggs. Wasn't that good? Send the thermometer at once and oblige.

Yours respectfully,
MRS. D. C. JOHNSON, Maxwell, Ia. July 1, 1904.

Hawkeye Incubator Company.

Gentlemen:—You will probably remember that I purchased a 50-egg incubator of you last April. I find the machine is shelling out the chicks so fast that I must have a brooder, so quote me the best price for a machine to correspond in size. I had three hatches in the incubator, which were as follows: First, 50 eggs, 46 chicks; second, 51 eggs, 47 chicks; third, 50 eggs, 49 chicks. Yours very truly,

ALVA HARDY, Blandinsville, Ill., Oct. 24, 1904.

Are You Open to Conviction? Then let us send you the Hawkeye Special, the pride of our establishment, together with our Complete Hawkeye Instruction Book, telling how to operate the machine and giving invaluable information on how to make money in the poultry business. The Hawkeye Special will please you. A trial hatch will show you it's a profit-maker. Puts money in your pocket every day you keep it busy. Write for 30-day free trial plan—will you?

HAWKEYE INCUBATOR CO., Box 2, NEWTON, IOWA.

FIRST-CLASS MAGAZINES

and periodicals are the very best home educators. Dig up your old ones and have them bound in neat, durable books. It costs but a small amount. Write for prices. The C. J. Farwell Co., 61 Plymouth Pl., Chicago.

BATEMAN'S**BLACK LANGSHANS**

Won at World's Fair 2, 4 cock, 7 hen, 2 cockerel, 6 pullet, 2 pen. Won more Illinois special prize money than all the other exhibitors combined. Won 1, 3 cock, 2 cockerel, 1 pullet, 4 hen, 1 pen in the State. Have won largely at Chicago repeatedly. At Dec., 1904, show won 1, 4, 5, cock, 1, 2 hen, 1, 2, 3, 4 cockerel, 1, 2, 4 pullet, 1, 2 pen and silver cup for best display. Exhibition or breeding stock for sale. Eggs \$5 for 15.

JESSIE T. BATEMAN.

R. F. D., Waverly, Ill.

**Union Lock
Poultry
Fencing**



As It Looks When Erected

**Strongest and Best
By Every Test.**

Has been fully tested by leading poultrymen. All heights (12 in. to 7 ft.). Has fine mesh for small chicks. Over 1,000 rods of this fence used on Lakewood Poultry Farm, New Jersey. You will be pleased with it.

Our Low Price will Surprise You.

We will ship from mills in Connecticut, Illinois and California, and guarantee prompt delivery. Catalogue of Farm and Poultry Fencing sent free.

Write Us What You Want.
Do It To-Day.

**CASE BROTHERS,
16-22 Main St., Colchester, Conn.**

Single Comb Buff Leghorns

Won wherever shown. A choice lot of cockerels for sale that score from 92½ to 94, \$3 to \$10. Score cards furnished if desired. Scored pullets also for sale that will win for you.

R. T. WHITMAN,

R. R. No. 1, Belvidere, Ill.

JULIUS J. KLEIN.

AMOS A. ANDERSON.

SUNNY SIDE POULTRY FARM

Buff and Barred Plymouth Rocks, Partridge Cochins, Light Brahmas, Emhden Geese and Pekin Ducks. Catalogue free.

SUNNY SIDE POULTRY FARM,

Macon, Illinois.

EXHIBITION S. AND W. WYANDOTTES

winners at Chicago, Indianapolis, Pittsburg, Cleveland and Columbus. Line bred for nine years. Young and old stock, fit to win in any company, now for sale. Fine breeders, \$2 up. Also S. C. W. Leghorns (Van Dreser Strain), and W. P. Rocks (Fishel Strain). Satisfaction guaranteed or no sale. Write to-day.

**WEST VIEW POULTRY FARM**

W. C. Brookover, R. F. D. 40, Chandlersville, O.

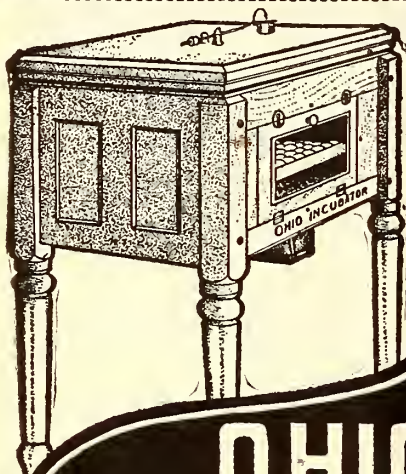
A First Class Incubator

And brooder are what you want. You don't care for their name or reputation, so they will hatch and raise lots of good, strong chicks with little care. HOOSIER INCUBATORS and BROODERS are guaranteed to hatch and raise more good, strong chicks with less care than any other machines. If you are interested in first class incubators and brooders at very reasonable prices send for our free catalogue to-day.

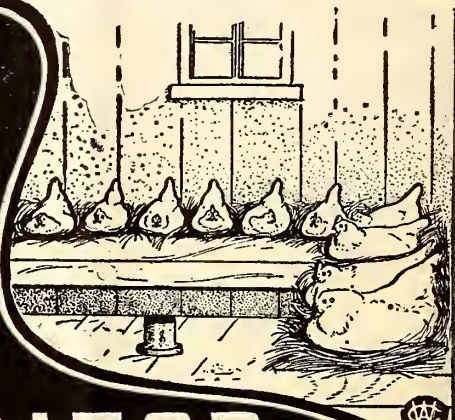
**HOOSIER INCUBATOR AND BROODER CO.,
Columbia City, Indiana.**

Don't Buy an Incubator**Get a New Thought Hatching Machine**

and take off a batch every 10-14 days. No, it's not an incubator. It hatches and the CHICKENS LIVE. It is all metal—good as gold to people who want a business machine. Catalogue A ready. Get it.

HASTINGS MFG. CO.,**Hastings, Neb.**

**LET
TEN HENS
COMPETE
WITH
ONE**

OHIO INCUBATOR

PUT 12 eggs under each hen—put 120 eggs into the Ohio. Keep strict account of the feed for hens and the oil for the incubator lamp. Make a record of the time it takes to attend to the hens and to operate the incubator. At the end of three weeks you'll find it cost twice as much to feed the hens as the oil cost in the incubator lamp! You'll agree that it took twice as much time and four times the worry and annoyance to attend to the hens than it did the incubator. Perhaps your hens will hatch 60 lousy chicks while your incubator will contain 109 to 119 strong, sturdy, healthy chicks—clean, sweet, and free from vermin. Let those ten hens do the laying, while the Ohio Incubator hatches chicks at a profit. Send for free catalog and learn how it does it.

OHIO INCUBATOR COMPANY, BOX 12, COLUMBUS, OHIO

SILVER WYANDOTTES

SPECIAL

On account of my other business taking all my time, I have decided to sell my entire stock of Silvers, 125 head including all my prize winners at Cleveland, Columbus and St. Louis. I have some of the grandest laced females I ever saw, clear black and white. My males are wonderfully free from straw color and are fine in lacing and shape. Will sell for half price as long as they last. Satisfaction guaranteed.

H. G. FISH R. F. D. 2, Columbia Sta., O.

LANIER'S BARRED ROCKS

are better than ever. Harry M. Lamou's and E. B. Thompson's strains direct. America's best. I have three of the grandest pens for cockerel mating that I have ever owned. Fine exhibition cockerels a specialty. Each yard is headed by a fine exhibition specimen fit to show at any large show. Eggs from these yards will produce winners at next winter's shows. Mark it. Orders booked now for spring delivery. I am offering eggs this season from superior stock purchased at great cost. Eggs \$3 per 13, \$5 per 26. Write me. Satisfaction guaranteed or money refunded. My 1905 circular containing real photographs of my birds will be ready for mailing Jan. 20, its free if you mention this paper.

DEWITT LANIER Lock Box 1, Cardwell, Mo.

WINNERS AT WORLD'S FAIR

Washington, Cincinnati, Indianapolis and Louisville. 40 B. P. Rock cockerels, \$2 to \$4. 40 S. C. Black Minorcas, \$2 to \$4. 20 S. C. White Minorca cockerels, \$2 to \$4. 20 S. C. Brown Leghorns. We will give bargains as we need the room for our breeders. Eggs, \$2 for 15; \$5 for 45. CLOSING OUT—Light Brahmas (Shaw direct), Silver laced Wyandotte hens, pullets, cocks and cockerels. Our winners without reserve. Satisfaction guaranteed. Our catalogue will be out Feb. 1st. Stamps accepted but not required. Write your wants to

WINCHESTER POULTRY YARDS, GEO. B. NELSON JR., Mgr., Winchester, Ky.

BAIR'S BARRED ROCKS

are daily proving their claim of being LEADERS FOR EXHIBITION AND UTILITY. Since 1901 they have won in my own and customers' hands 316 regular premiums. In my hands they won on every bird entered at Pan American Exposition, Missouri and Kansas State Shows and at the big Kansas City Shows, and finally in the great World's Fair Show. In Missouri's awards I won on every bird entered, winning 9 regular premiums, 1st and 2d cock, 3d and 4th hen, 4th and 5th cockerel, 4th and 5th pullet and 2d pen. In my yards the 300-egg hen is a reality. Lady Pan, the greatest living hen, has a record of 247 eggs for year 1903 and 11 blue ribbons won in the largest shows of the country. I have for sale fine cockerels from Lady Pan pullet line, and extra fine cockerel breeding pullets. In exhibition birds I can fit you for any show. Let me know your wants.

L. O. BAIR, 2721 Cherry St., Kansas City, Mo.

WHITE Rocks Wyandottes.

Bred from Chicago winners. Will be winners for you in the show room or nest box. Hundreds of healthy, farm-raised breeders for sale. Scoring from 92 to 95½. Seored by Frank Heck. Prices reasonable.

CHAS. H. RING, Decatur, Van Buren Co., Mich.

Hanchett's Line-Bred

Buff Cochins

The most marvelous shape, feathering and color yet produced. Stock for sale. Booklet free. Write, stating wants.

H. N. HANCHETT Jackson, Mich.

Rudolph Poultry Yards, Rudolph, O. Fancy Buff and Barred Rocks

Bufs win two state cnps in succession and over one-half of all cash and other specials at the last two cup competitions. Barred win five places at Postoria. 400 Barred and buff to select from. Write your wants. Catalog free. Eggs in season.

F. S. & J. S. GASPER RUDOLPH, OHIO



EDGE-DROP

SEED CORN

"Edge drop" planters are no good unless the seed is of even size and perfect shape. I breed corn with perfect and uniform kernels and I grade all my shelled seed with a specially constructed mill that throws out every uneven, round or thick kernel better than you could possibly do it by hand. Every kernel must be just like every other—even, flat, just right. That means even, accurate planting and a perfect stand. No trouble, no delay. All my shelled seed is screened this way, a feature no other seed man can offer. Samples and catalog free. Henry Field, Seedsman, Box 48, Shenandoah, Iowa

"The ear seed corn man."

1 and What It Will Do

OFFER NO. 1

American Poultry Journal, one year, 48 to 120 pages. During the year several full page colored pictures of fowls will be published.

Why Poultry Pays and How to Make it Pay. Revised and enlarged, size 9x12, 60 pages, illustrated. Important to beginners.

A. P. J. Hand Book of Useful Poultry Information.

This is a new book we have just published, 32 pages, 4x8 inches in size; has 4 blank pages for memorandums. It contains in a brief form most everything a poultryman wants to know.

'Yard of Chicks.'

A picture in 12 colors, a yard long, on finest heavy copper plate paper, of 25 chicks in a running contest for a nip at a captive butterfly. A work of art suitable for framing in any home.

All For \$1.00

OFFER NO. 2

American Poultry Journal, one year.....	Value, \$0.50
How to Build Poultry Houses.....	".50
Farm and Home, one year.....	".50
All for \$1.00.....	Total value, \$1.50

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American Poultry Journal, one year.....	Value, \$0.50
Farm and Home, one year.....	".50
Any 50 cent Poultry Paper.....	".50
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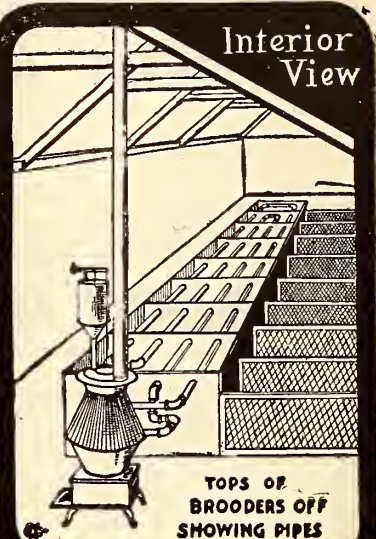
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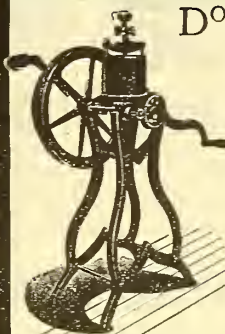
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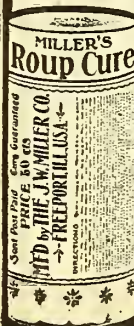
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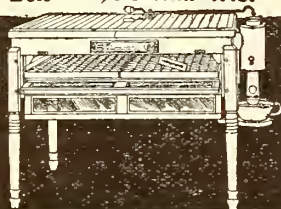
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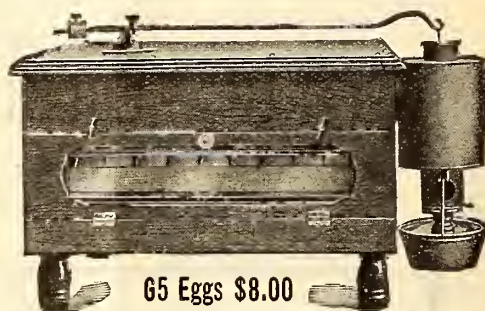
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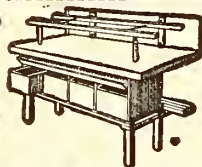
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If I could sit down with you, take one of our machines apart and show it to you, piece by piece, I would have no trouble in interesting you. No machine on the market deserves your confidence more than the New Idea. THEN when I told you that you could get it for less than ONE-HALF THE COST of other machines and showed you just how this saving is made I would be sure of your order.

This is the spirit in which we have written Our New Book, "How to Make and Save Money with Incubators and Brooders." It is a face-to-face talk on the subject because we cannot in any other way meet and talk to the thousands who want to know about the New Idea. BUILD YOUR OWN INCUBATOR; that's the secret of saving half, and you can do it just as successfully as thousands of other men, boys and women have done since we first began telling how it could be done. Read what this man says:

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The Book Tells about the Plans for Building Incubators and Brooders so clear and simple and complete that you can't possibly go astray. Besides we furnish you the parts you cannot make like Tank, Heater, Lamp, Regulator, etc. and we guarantee that no factory-made Machines have better fixtures than yours. Everything we furnish is of the very best. You need a brooder too. Our method enables you to get an Incubator and Brooder at less cost than a factory-made Incubator alone. Other features of interest in the book: "Why factory-made Incubators are Expensive," "How to Get Your Incubators Free," "Give the Boy a Chance," "Full Instructions for running Incubators and Brooders," etc. It's full of facts helpful to the experienced and invaluable to the beginner. Get the Book! Write for a copy today and begin planning carefully. Start right! Saving on the cost of your Incubator and Brooder is the best kind of money-making. A postal will bring the Book. It's free. Contains more genuinely New Ideas than any Incubator catalogue of the year.

CHANNON, SNOW & CO., Dept. C, QUINCY, ILLINOIS.

Emmet Poultry Farm

BUFF WYANDOTTES that have won more first prizes than their combined competition at the great Chicago shows for four seasons.

BUFF P. ROCKS Winners at Chicago, Detroit, Washington and many other shows.

INDIAN RUNNER DUCKS The ginseng of the poultry yard. The great money makers. The very finest specimens alone retained. As proof of quality a visit to my farm is solicited.

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in the country. Why? Because he is a specialist and caters to the fancy trade, breeds his winners and furnishes winners to his customers in strongest competition. Single birds, pairs, trios or breeding pens, mated as you want them and results insured. A lot of good business cockerels at \$3 to \$5 each. Good ones for the money. Send for new mating circular for prices on eggs and description of breeding stock. Correspondence carefully and promptly answered. Write me to-day.

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SAVE HALF THE COST

This means two machines for the cost of one; or an incubator and brooder, (for you need a brooder too), both for less than the cost of an ordinary machine alone.

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"How to Make and Save Money With Incubators and Brooders"

It not only explains how you can build Incubators and Brooders, but it gives full directions for operating them. The instructions are very simple and easy to follow but they are complete

The New Idea Incubator (so called because the *Idea* of building it yourself is new) is built from plans which we furnish you. Every piece is laid out and complete specifications are included. The only tools you need are a saw and hammer. Hundreds of men, boys and women have built New Idea Incubators from our plans and are making money running them. Beside the plans we sell you at wholesale prices the parts, like Tank, Lamp, Regulator, Legs, Doors, Trays, etc. The plans show just how everything goes together. You can't misunderstand them. Remember, in this way you get a complete machine at less than half price. No machines do better work. Read this:

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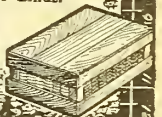
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In a hot class of 118 birds conceded by experts and judges the strongest class of males ever shown in Chicago, we made a record never before equaled by any breeders but ourselves.

Cocks, 1st, 2d, and 5th hens; 1st and 2d cks., 1st and 2d pullets, (tie 1st), 2d and 5th, breeding pen, 1st, silver cup, best display Rocks.

The past ten years at Chicago shows we have made more and better records than all our competitors combined.

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Send stamp for 36 page catalogue. Scotch Collie dogs. Pups for sale. Write your wants.



Brother of the first pullet at Chicago, 1904, and son of first prize hen, same show.

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Cock 1st, cockerel 1st, pen 1st, pullet 2d, hen 4th and 5th, Challenge Cup and Best Display.

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Cock first, cockerel first, second, third and fourth; hen second, pullet first and second; pen first.

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WYANDOTTES--PLYMOUTH ROCKS

PRIZE WINNERS ORDER EGGS NOW. SEND FOR CIRCULAR AND SOUVENIR

We have lately bought a pen of White Wyandottes, selected for us by a prominent poultry judge as "the best in the west." Cock scored by Judges Russell and Heck.

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Barred Plymouth Cockerels

During the past four years. This is modern history, not ancient. Grove Hill record in this class is not approached in any degree by any breeder of this variety. These are the facts.

FOR TEN YEARS THEY LEAD

Fourteen out of a possible 17 firsts, two ties for 1st and one 2d is their record at the largest national shows, including New York, Boston, Philadelphia, Chicago, Pan-American, St. Louis Exposition.

ELEVEN STRAIGHT WINS BACK FROM DATE

BROWN LEGHORNS have done nearly as well. Our latest is four out of five 1sts at the St. Louis Exposition, including 1, 2, 3 hens and 1, 2, 4 cocks. At Chicago, 1904, three out of five 1sts including 1, 2 on both cocks and cks.

500 SELECTED MALES FOR BREEDING AT REASONABLE PRICES

Don't be mislead—our males have an unquestioned lead, and our prices are as low as consistent with quality offered.

Grove Hill Poultry Yards, Box 410, Waltham, Mass.

**Wm. Ellery Bright, Proprietor
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PARTRIDGE COCHIN—FIRST PRIZE WINNER AT MADISON SQUARE GARDEN, N. Y.
Owned and bred by Geo. W. Mitchell, Bristol, Conn.

American Poultry Journal

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

Vol. 36.

Chicago, Ill., February, 1905.

No. 2.

THE CENTRE OF POULTRY CULTURE

Fred L. Kimmey's Visit to the Columbia School of Poultry Culture.

Mr. Kimmey Tells in His Own Way What he Saw and Learned at this Great Educational and Industrial Centre of Poultry Culture.

"You will remember, Mr. Bates, that some little time ago, as I was about to start on a visit to the State of New York, you requested me if my trip took me near Waterville, the home of The Columbia School of Poultry Culture and The White Leghorn Poultry Yards Co. to look them over and give the readers of The American Poultry Journal a brief description of the impression I might receive. I have been there. The management, teachers, lecturer, clerks and workmen very willingly threw everything open to me. I had but to suggest a line of examination to have it cheerfully shown to me. I find it difficult to express the pleasure I experienced. If those who have business relations with either the farm or school derive from them but a part of the enjoyment which came to me, they surely will not regret them. That your readers may obtain the most profit and pleasure from the recital, will you kindly suggest something in the way in which you think I should tell the story?"

"I can make no suggestions, Mr. Kimmey. The things which interested you will be interesting to others. Tell them in your own way."

* * *

It seemed very early that cold, snowy, frosty December morning in Utica, as I commenced the railway ride of twenty-one miles to Waterville. Gazing out upon the snow-covered hill and dale, the trees spangled with frost diamonds, the green pines bending beneath loads of purest snow, seeming to be bursting forth into white blossoms, as we sped along, the warmth of the car diffused a sense of exquisite comfort. What a fuss our locomotive made! What blowing off steam, enveloping all in a cloud of white vapor, just to whirl along the few of us that short distance! Oh, if the ride could only last until the mid-day dinner time! At the end of the too short ride I must find a poultry plant, and a school. Would I find the institution two or five miles out in the country? Was there a livery stable near the depot? I had been in little towns where I could get no conveyance but that of a farmer, who was having his horses shod at the blacksmith shop. He charged me \$1.03 to take me in his farm wagon out and back ten miles. I willingly paid the \$1, but the 3 cents I thought robbery. I didn't have the change. Mental visions of having such experiences repeated presented themselves to me. Then, too, I was not easy in my conscience. I had seen many of the things they call "poultry plants," and had read the "write-ups" given in the papers about them. I called to mind how Mr. Brown had his plant written up and had a picture of my little chicken house to illustrate his "extensive buildings." In reality the chicken house could be placed in an 8x10 dining room, but in the finished illustration it looked like a combination of the Louisiana Purchase Exposition, Madison Square Garden, Mechanics' Hall and the Chicago Coliseum. I don't know how the artist did it, but it was like the original. Cameras won't lie. But in the description there was no such handicap. Was it expected I should do thus? I had been promised my expenses paid. Would they be refused me if I told the truth? George Washington couldn't lie. I can,

but I don't like to. Someone has said "Honesty is the best policy and we know because we have tried both kinds." Yes, I'll follow the maxim in this, my first experience, if I lose the 42 cents it has cost me for car fare.

* * *

As I stepped from the train I saw a commodious, well-built, clean and handsome depot. Though still snowing, the platform has just been swept. The sidewalks leading up to it from four directions recently cleaned. Horses and sleighs with jingling bells were in the streets. I stepped up to a man standing near and asked: "Can you direct me to the home of Mr. Brainard?" "Yes, sir," he replied; "he just went by here: there comes his son now. Hello, John! Here is a gentleman who wishes to see your father." John came up on a run, seized my baggage, saying: "We'll go right down to the house." I said: "I wish to see the Mr. Brainard who is connected with or has something to do with the Columbia School of Poultry Culture and the White Leghorn Poultry Yards Co. This gentleman tells me Mr. Brainard just went by here, and that you are his son." "Oh, no," said he; "the Mr. Brainard he saw is Mr. Brainard, the banker, and it is his son, Mr. C. G. Brainard, you wish to see, and I am not his son, I work for him. But come, it is but a short distance to his house; I am sorry to say Mr. Brainard is sick. He has had an attack of grip, but I think he is out of bed this morning for the first time and can probably see you." We walked down a beautiful street, fine residences and lovely grounds on both sides. The buildings were modern, all well painted, giving an appearance of general prosperity. Not one was in sight that could have cost less than from \$5,000 to \$7,000. Were it not that the shade trees were larger and more luxuriant growth I might have imagined I was on one of the best residence streets of any one of our large cities. "What is the population of this place?" I asked my companion. "Two thousand, I believe," was his reply. "And," I continued, "this seems like a very nice street. I usually notice that the best and handsomest places are not as near the depot in most of these small places. The poorer class usually gets near the railroads." "Oh!" he retorted, "there are no poor in this town. They are all rich." Of course, I shrugged my shoulders, and asked: "What do they do?" "Do?" he answered, "why, they are bankers, storekeepers, buy and sell hops and principally farming. They are in great luck this year. One man sold from his farm of 200 acres \$18,000 worth." "What!" I exclaimed, "\$18,000! What did he raise?" He answered: "Hops. They were a good crop and he got a big price." Then, too, we have a canning factory where they put up corn and peas. Many are getting rich from raising peas. Do you see that hill?" pointing to a towering height. "The man who owns it got \$300 an acre from it from peas. They were cut with machine, hauled to factory where a machine threshed them, sorted the Marrowfats from the Early Junes and chopped the peavines into shreds which the farmer hauled back home for ensilage." "Don't they raise any fruit?" I inquired. "I notice there are no orchards." "No," he answered. "Oh! just a few. Some men raise a small lot for their own use. The land is too valuable for orchards. Those poles which you see stacked up are hop poles." "One more question," said I, "are there any churches?" "Yes," he replied, "there are seven." I simply remarked, "I thought so, and I presume you attend them all." Although I could see all around, the seeming prosperity, I doubted the statements to which I had listened. But from talk with others I am inclined to believe they had less than the customary exaggerations. I ascertained the county was of great altitude, which made it peculiarly adapted to the crops, hops especially, which they produced.

I tarried at the home of Mr. Brainard but long enough to summon by telephone Prof. Stonebern, associate instructor of the school. I said to him: "Suppose we visit the yards first," and to the driver: "Get us there as soon as you can." As our horse and sleigh with jingling bells dashed along I noted again the beauty of the winter landscape. In not more than five minutes we turned into a gate and drew up before a building which I was told contained the offices of the school, class rooms and lecture room. I said: "Professor, it was hardly necessary to have procured a conveyance; we could easily have walked this short distance." "Yes," he replied, "it's but a pleasant walk from the center of the town, but it is a snowy morning and bad underfoot. We all walk most of the time from choice, vet the horse and sleigh is always going back and forth with someone." As we stepped out of the sleigh Prof. Stonebern asked: "Where do you wish to commence, in the school or the yards?" I replied: "Show me the yards first." A man was summoned to show me around.

* * *

It seemed to me a misnomer to call that which I saw around me "the yards." It comprised a good-sized farm, sixty acres in extent. It seemed to me a strip of land rather longer than broad, with a stream of running water on each side, which I was told was never known to go dry. It was an undulating valley, slightly sloping to each side, the whole dotted over with breeding houses, brooder houses, incubator cellars, shops, storehouses, fattening houses, packing houses, shipping offices, etc. The whole was systematically divided

houses 1, 2, 3, 4, etc., all down that side and all down that side, fattening houses over there, killing houses there. Storage hou—"Want," I said, "what do you mean by breeding houses?" He looked at me a moment slyly and seemed to be considering whether I was in earnest in asking such a foolish question, but with a smile answered: "The breeding houses are where we house and care for our breeders, the hens which lay eggs." "And are all of these breeding houses full?" I continued. "Yes," he answered, "all have many in them. They could hold more, though. We calculate to keep about 2,000 laying White Leghorns. We are also getting Wyandottes, Plymouth Rocks, Langshans, Light Brahmas and other breeds for experimental and illustrative work in connection with the school."

"Let us go through this breeding house," I suggested. "Certainly." It was a long building. "It had pens of as beautiful white birds as I ever saw." "Surely," I said, "these are extra fine; they must be your best." "Yes," he admitted, "in here are a lot we have selected as among our best. From the birds in this building we will pick our exhibition birds." I thought they were all exhibition birds. "Is there anything in that house over there, the one the farthest away with the wigwam poles to the right?" I asked. "Yes," said he, "shall we walk over to it? It is breeding house E. The things which you called wigwam poles are hop poles on the next farm. In gathering hops the vine loaded with hops, pole and all, is taken to the pickers. Afterward the bare vine is removed from the pole and the poles put up as you see them to remain until wanted for next year's growth."

Breeding house E was full to overflowing with White Leghorns, a beautiful sight. It was somewhat of a task, though a pleasant one, to go from pen to pen. Midway of the house we met a young man working with pails of feed from pen to pen. He was bright-eyed, alert and rosy-cheeked. The sort of dust-proof uniform made one think of the linen duster judges affect at a large show. I asked: "Are you one of the workmen?" "Not exactly," was his answer; "I am one of the students of the school and am taking the Working Course." "Do you think it pays you, and what do you do?" I continued. "Oh, yes," he answered, "it is great. I have charge of this house under the instructors. Get directions and instructions from them. I keep all the records and know just what is being done, as much as if it belonged to myself. I will have a chance before I get through with the incubators, brooders and fattening and killing processes." I have heard somewhere the saying: "Experience is a good teacher, but her charges for tuition are exorbitant." They seemed to be reasonable here. As we left I glanced back at the long building and imagined how beautiful breeding house E would look with its roomy yards well stocked with pure white birds.

"I have heard you have a fattening and killing, or rather dressing department; can I see it?" I requested. "Certainly. Come this way," he said, as he led me into another long building. It was full of coops. They were arranged in four tiers and two deep. Each coop contained as many grown fowls as possible without crowding. At convenient distances were open spaces in which the work was done and the cramming machines placed. I should have mentioned that the municipal water was piped through the buildings and they were lighted by electricity. In the glare of the incandescents the work was being done. The same uniformed resident students were much in evidence. I had heard much about the cramming method of fattening poultry, but this was the first time I had had an opportunity to witness the process. I silently watched for several minutes. A fowl was taken from the coop, spitted on a hollow tube through the mouth, a pressure of the foot, and back to the coop. This was repeated over and over again with the regularity of clockwork. I wondered if the fowl liked it. I doubted it. And I didn't feel bad about it. It is said "Misery loves company," and I had in mind other banquets from which I had come away feeling stuffed, and I speculated as to what comparison could be made between this victim and the banquet and that other banquet and its victim.

"Don't that hurt the birds?" I asked. The machine stopped long enough for the student operator to answer, "Oh, no! After the first two or three feeds the chickens seem to like it." "There is no accounting for tastes," I mused, but aloud: "Do they seem to be healthy under the treatment—don't many of them sicken?" He replied: "No, they do better and are healthier."

The killing house was next visited. As we entered it seemed a veritable place of execution. It was noticeable for its cleanliness, order and the simple and inexpensive appliances for performing the details of the work. "Why do you catch the blood in that vessel of ground feed?" I asked.



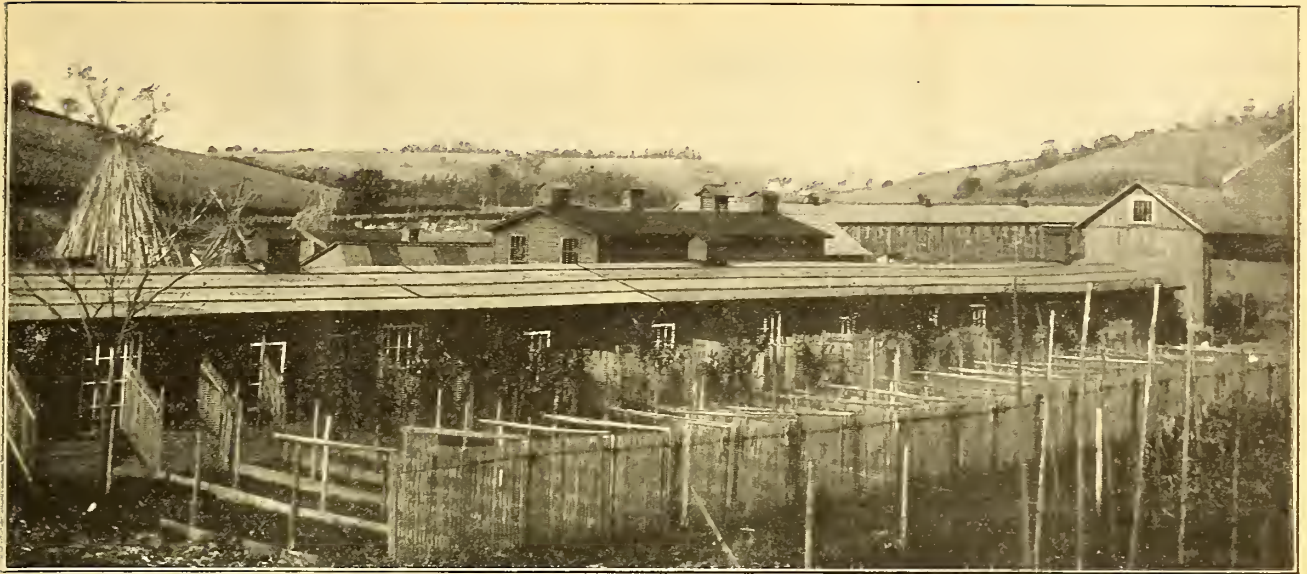
"TELL THEM IN YOUR OWN WAY."

into yards. Everything was neat, clean and orderly; buildings well painted, gates on their hinges and a general air of thrift and prosperity. Standing near the center of the farm, whichever way one looked he saw a maze of buildings, each devoted to its own peculiar and necessary use, and beyond hill and valley formed an entrancing and picturesque view not soon to be forgotten.

"What is in this little house?" I asked of my guide. "This," said he, "is a small brooder and colony house designed and built by one of the students. He has in it a brood of 4-weeks-old young chicks." "They are doing well"—they certainly looked it—"and it seems so successful I think they intend building a number of them." "And this?" said I, pointing to quite a large house near by. "That," he said, "is a brooder house. Let us look at it." He led the way. "You will see," he continued, "it is the regulation pipe system. We had great trouble with it on account of the chicks bunching up. One of our students designed and built this one section after plans prepared by himself. You will notice the shape and by this arrangement of the pipes he has secured a more equal distribution of heat. It has worked so well we are going to change the whole house. It will be quite an expense, but we figure the saving in the fuel required will pay for it the first season."

"How many houses have you on the whole place?" I inquired.

"I don't know," he answered. "We can count them." There are breeding houses A, B, C, D, E, etc., and brooding



"A MAZE OF BUILDINGS—BEYOND AN ENTRANCING AND PICTURESQUE VIEW."

"To feed to our stock; it is better than the much-vaunted blood meal or ground bone," was the answer. "And I notice you are keeping the white feathers separate from the others; why, you are keeping each color separate! Why do you do that?" said I. "Because they sell better," he replied.

* * *

At the door of the general offices of the school I was met by the busy click of the typewriting machines. Old as I am, I yielded to the temptation and paused a moment to admire the bright-eyed, rosy-cheeked operators. The good air of the place must have been good for that sort of thing. It was but a glance, however, as I was immediately enveloped—as it seemed to me—by Prof. Stoneburn and hurried into his private office.

"Let me show you," he began, pulling from his desk some papers, but I interrupted with: "Pardon me, but I wish to ask you a few questions first."

"During the time your school has been running how many pupils have you had?"

"One thousand correspondents and a goodly number of resident pupils. Our resident attendance is a new feature, and although we have had them come to us from England, Mississippi, Savannah, Ga.; Philadelphia, Pa.; Quincy, Ill., and places nearer home it has only been tried sufficiently to assure us it will be a great success."

"Have you a list of the 1,000 correspondents, with their addresses?"

"Yes; here it is," taking it from a drawer in his desk.

"You may put it back. I wished to see it if you did not have it. Now that I know you have it, I do not care to see it. Do you board your resident pupils?"

"No; we are not equipped for that. But we find them good boarding places in agreeable, pleasant places, at very reasonable prices."

"What advantages do residents have over correspondents?"

"Perhaps it is not in all cases an advantage. Some of our correspondence students do so well it seems as if none could

do better. But in answer to your question, will say our resident pupils have all the work of the course, lectures in the lecture room, class room work, embracing all that is known in poultry culture, such work as they care to do with incubators, brooders, colony houses, breeding houses, fattening, killing, marketing, scoring, judging, etc."

"Can you show me your lecture room and class room?"

"Certainly. Come with me."

Out into the main hall and up a flight of stairs took us to the rooms. There were tables, chairs, blackboards, drawing instruments, library of poultry books, drawings, charts and formulas, thermometers, moisture indicators and the articles one usually sees in a lecture room of a technical school. The work of the lecturer and the pupils littered tables and walls. It was past class hours and an offer to get one together as an exhibition of what was being done was promptly declined. There was evidence in plenty to show that good work was being done.

Back in the office again, I commenced my questioning.

"When attracted by your advertisement a prospective pupil writes you about the school, what do you do?"

"We send him a prospectus giving him all the information possible of the school and its work. We thus convey to him a clear idea of what we are equipped to do for him, and the terms upon which we engage to do it."

"If he becomes a correspondent pupil, then what?"

"We send him a lecture specially prepared, treating upon the subjects in our course of study. This course is carefully prepared to cover the entire subject of poultry culture."

"And then?"

"We require a written report from the student. We indicate the scope of this expected report. It must give the number of days and how many hours each day of work devoted to the study of the lecture, a synopsis of its contents and any ideas suggested by it. In this way we are enabled to ascertain to what extent the student has obtained the mental grasp of the subject."

"What next?"

"The report is carefully examined by the teacher of the



"WELL STOCKED WITH PURE WHITE BIRDS."

subject. His comments are sent to the pupil. They are intended to strengthen the correct ideas which the pupil has formed, to make right the erroneous ones and to suggest where none at all have been found. This is accomplished by a series of questions. The answers of the pupil are examined as was the report—comments and questions sent as before. This is continued until the teacher is satisfied the pupil has obtained a full comprehension and grasp of the subject, when is taken up the next lecture in the course."

"Your method differs, I suppose, somewhat with your resident pupils."

"No; it is very much the same. They have the same lectures, reports, etc., but it is supplemented with oral lectures and instructions. Opportunity is also given to work and see the work done on which the lectures treat. We are equipping our yards, too, with all standard breeds, that contact may be had with the student's choice."

"May I see samples of the work done by students?"

"You may."

* * *

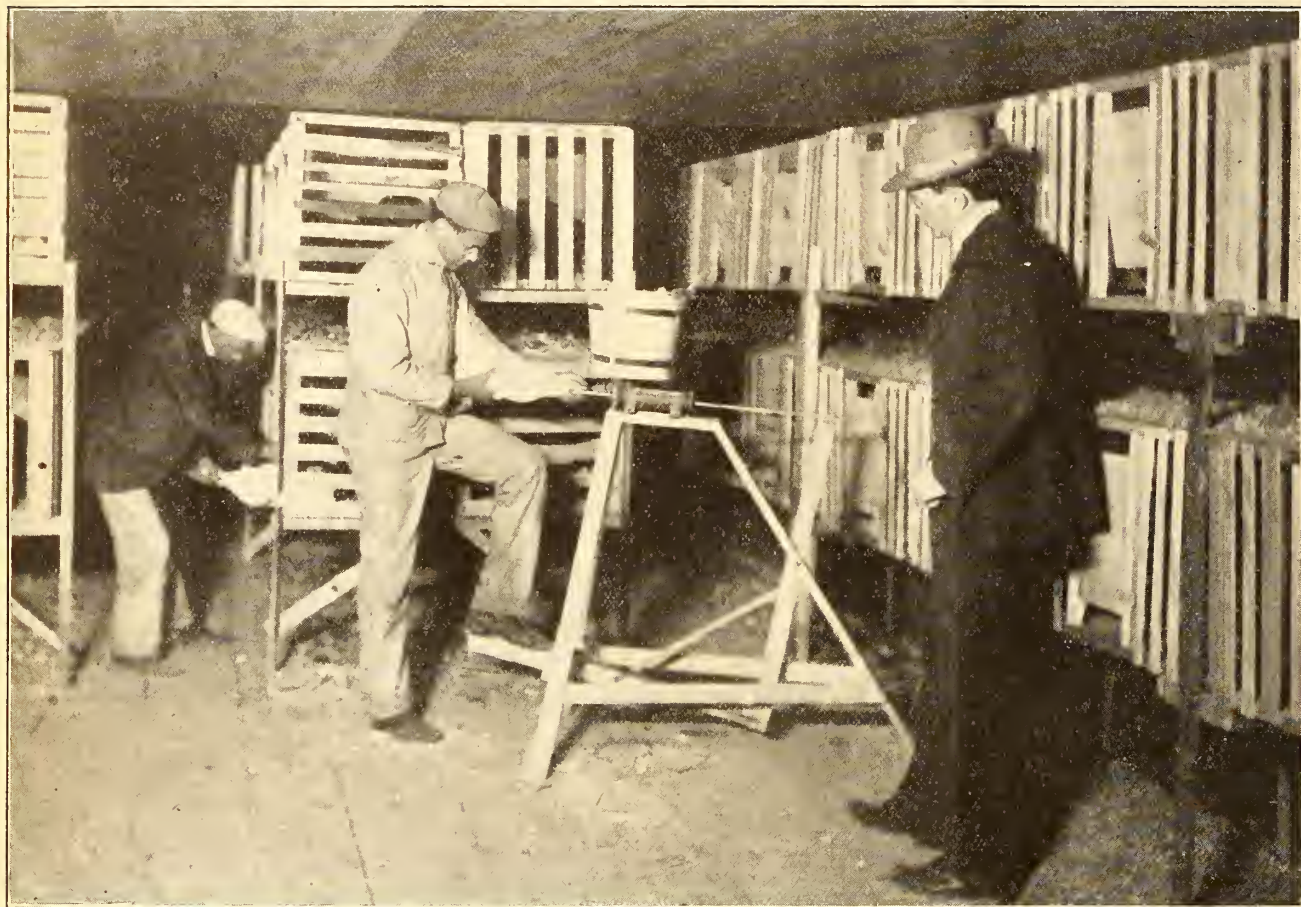
The papers handed out for examination were evidently

the same page he used the expression "god only knows," and wrote God with a little g I felt better.

I asked if they had applications from such illiterates, and if so in what manner they treated them. I was answered that they did have such correspondents. That while they did not undertake to give a complete primary, grammar and high school course, yet they did much in the way of calling attention to and correcting errors in writing, spelling, etc. An effort was constantly put forth to inculcate correct habits in everything. While the aim and object of the school was the giving of a technical knowledge of poultry culture, still it was kept in mind that there should go with this knowledge a certain familiarity with the recognized correct forms. And accordingly was supplied. To many this feature alone was of more value than the cost of the entire course.

* * *

Meantime the typewriting machines in the adjoining rooms had been busily clicking, keeping time with the swiftly moving fingers of the operators. I was allowed to inspect the work actually being done. It was the comments, instructions and questions, dictated by the expert instructors, going



"THE VICTIM AND THE BANQUET".

those of an extra good pupil and seemed to constitute the work of the entire course. Reports, comments, questions and answers were in their proper order for each subject. It was of much interest to note the increased comprehension from the first to the last reports. It was impossible to do more than make a very superficial examination of the many sets shown. To have carefully considered one would have been the work of days instead of a few hours. I believed I had been shown the best work of the best students. We all show the finest first, put the best on the outside. It is more pleasant to inspect good writing, good grammatical sentences, correctly capitalized and punctuated. Poor, slovenly work hurts business. It is unpleasant. Anyone can recall with a feeling of pity some such correspondence. There comes to mind a complaining letter I once received. The writer took exception to some of the acts of those connected with me in the enterprise. He commenced: "dere sur—mr. kimmy, you know." I think I felt a bit indignant that he should write my name with a small k, but when or

out to correspondent pupils. This inspection revealed that the interest of the school in the pupil did not cease at graduation. It is the understanding that any question will be answered or any problem taken up and discussed any time within one year. But practically there is no such limitation. The time has always been indefinitely postponed.

It was somewhat surprising to learn that the course was not being taken alone by the inexperienced and what may be termed the amateurs. Those who had had years of experience and considered themselves practical poultrymen were enrolled. Judging from their own ideas of the work they were obtaining quite as much good from it as the beginners.

Some of the correspondence, too, revealed the fact that the school was doing much in the way of obtaining permanent employment for its graduates. It does not pretend, nor is it within its circle of influence, that it shall be an intelligence office, yet as widely-known an institution must necessarily have many calls for expert help. I asked if acceptable places had been obtained for all who sought them through

their connection with the school and was answered that the demand had been greater than the supply. Several letters from those who had been benefited were shown me, but while I can remember very well that which comes within my own experience, I forget readily such things as testimonials. I can now recall but that of D. E. Hale, of Windom, Minn. Prof. Stoneburn told me quite a bit about Mr. Hale. I believe he said he did not care to have me repeat it, as Mr. Hale did not care to have his affairs and business made too much of by the public. And yet I must be mistaken, as Prof. Stoneburn knew I was there for the special purpose of finding out things and telling them, and why should he tell me things he did not want me to tell? It was a good story, anyway, and I guess I'll risk it.

Mr. Hale was a telegraph operator at a good, fair salary. He also kept poultry. I suppose he fed chickens, built coops and fought lice before breakfast, at dinner time, nights and Sundays, like the rest of us practical poultrymen. He took the course and through its training and the efforts of the school in his behalf obtained a very desirable position. He has a salary 25 per cent higher, house rent, heat and light

"It seems to be a good town," said I. "Seems to be!" he replied. "It is one of the best places in the world. A fine lot of people live there. Good and rich, too."

I mused upon the events of the day. Was it true, then, that in this prosperous community I had seen a poultry enterprise, farm and school that was fully up to representations? Of the farm I had been told it was one of several of unexampled fertility, productive and prosperous. It had been turned to the uses of poultry because an exact itemized account of expense and income demonstrated that poultry was more profitable than any grains, fruits, cattle, dairy, horses or other uses to which the land could be put. Ten thousand chicks was the annual output. Two thousand hens were kept. One-half ton per week of fancy dressed fowls. All meat and eggs marketed at the highest fancy prices. It could well be believed that it was the truth when it was claimed a profit of 25 per cent on an investment of \$20,000 was obtained. Where so good a place for a school as in the midst of such a plant? Surely it could have a happy combination of theory and practice.

As we pulled into the Utica depot I was forced to admit



"A PLACE OF EXECUTION."

for family and 10 per cent of the profit of the plant of which he is the expert manager. He has become a writer and professional poultry judge.

The darkness was gathering as I hurried to the return train. As it sped along it seemed a long time since I passed over the same route in the early morning light. The day had been so full of busy investigation. Yet the time had passed quickly and pleasantly. "Why do they call this town back here 'Waterville'?" I asked the railway conductor as he took up my ticket. "I don't know," he answered, "but I guess it is because no water will stay there." "There seemed to be plenty," I remarked. "I do not mean there is not a plenty of water," he explained. "Springs and brooks there are in plenty but when a drop of water falls it has nothing to do but take one of two courses. By one it goes down the Mohawk and on into New York harbor. By the other, by the way of the Susquehanna to Chesapeake Bay. And it may go either way, as the place is on the highest point of the watershed between the two valleys."

I had seen a poultry farm as great as any of its pictured or word descriptions, and a school equal to the promises of its prospectus. The shivery, doubting feeling of the early morning had passed away. In its place had come conviction.

Such is the story of the White Leghorn Poultry Yards Co. and the Columbia School of Poultry Culture, of Waterville, N. Y., as it was revealed to me.

He will find a ready sale for his eggs in private homes in the city, or to some one firm that will be only too glad to secure strictly fresh eggs. Into the marketing of this product of the farm let him put individuality. Let him be strictly honest as to the quality of the eggs, and prompt in delivering. Let each egg and each crate bear his name. It will not be long until Adams' eggs are in demand at something more than the market price. And unless we are mistaken it will not be many years before he will be giving that little farm his undivided attention.

Necessity of Individualizing the Business.

THE IMPORTANCE OF SIZE.

Some of the Reasons Why So Many Exhibition Specimens Fail to Attain Standard Weight—The Common Mistake Made in the Selection of Breeders—How to Feed the Chicks to Develop the Proper Size.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal.

The show records this season again tell the old story—birds, as a rule, not up to standard weight.

We find this condition of affairs year after year. We are told by the exhibitors that the stock was well fed and cared for but that the youngsters would not attain proper weights.

Why is it that outside of that shown by a comparatively few exhibitors the stock shown, both old and young, is as a rule below standard weight?

We do not think that in any case of any breed or variety the standard calls for excessive weight.

The standard cannot, therefore, be to blame.

As one who is in very close touch with the situation we say that the breeders are to blame for the condition existing. It is because size in breeding stock is not given proper consideration.

The truth of the matter is that no amount of food and care be it of the best, can result in the bringing of stock to proper size when the stock comes from a line of ancestry that were of undersize.

Size is given but little attention by a majority of breeders. We hear of weight, and it is talked and written about constantly. Many specimens shown are so fat that they are worthless as breeders, but the owner had to so fatten them to get them up to standard weight. It is just such specimens as many are breeding from. No wonder size is not attained and consequently, except in the hands of an expert, weight is not secured.

Size is all important. If we have the size, the framework, the bone and muscle, we can easily put on the standard weight without injury to the specimen as a breeder. But we must first have size.

How are we to obtain the desired size and retain it?

We must, in the selection of our breeders, start with stock of the desired size. If we will do that and year after year reject all specimens which are not up to our standard we will have but little trouble; in fact, not at all in retaining size.

We must, of course, use care in feeding, for it is important that the proper kinds of food be given the stock. Even stock bred from birds possessing large frames—size—will deteriorate in size if not given the foods containing the elements which enter into the building of bone and muscle, etc. We cannot get something for nothing in the production of poultry. A chick cannot grow bone and muscle without a supply of the proper food. It can easily take on weight with foods deficient in frame-producing elements. In a word, a chick to grow properly must have food which is rich in all the elements entering into all the component parts of a fully and properly developed fowl.

It is in the development and growth of the chick that so many breeders confound weight and size. They are constantly feeding for weight.

We should, as stated, bring the chick along to maturity and at that time if it be in fair flesh it will be of standard weight. No fully grown specimen should be fattened in order that it enter the show pen up to weight.

The question naturally arises, what constitutes the proper food ration for the chicks, in order that they may properly develop size?

In this advanced age there is no excuse for a breeder being without knowledge as to the relative feeding value of the different grains, etc., used by all breeders.

Hulled or cracked oats stands at the head of all foods in value as bone and muscle producers. The standard chick foods now on the market, and now so generally used by breeders, contains cracked hulled oats, but the proportion is so very small that it will pay every breeder to buy such oats and add it largely to his feed. Then, too, there is barley and rye, which are rich in bone and blood producing elements. These grains are seldom fed, yet they are very valuable.

Oil cake meal is rich in blood and feather producing elements and should be fed regularly. We feed this by mixing it in a mash, 12 of mash to 1 of meal. The whole is baked in an oven and fed dry with the dry grain ration. The oil cake meal not only aids in feather production but keeps the chick's bowels in proper order.

Bear in mind that no chick can reach maturity in perfect

development unless it be carried along properly every day of its life. A check now and then in a chick's growth puts it out of the running.

In your selection of breeding stock hereafter give size the attention it deserves. In no other way can you succeed in building up a strain of fowls that can be successfully shown and attract the custom of the best buyers.

SOUTHERN POULTRY AND ITS OUTLOOK

Perhaps a short letter from the "Sunny South" at this time of year would be of great interest to the many readers of the AMERICAN POULTRY JOURNAL and to make it of still greater interest I may touch along the lines of southern poultry and its outlook. We are geographically situated in about the middle of the yellow pine belt, which is one of the healthiest localities in the whole South. Here we have plenty of good, pure free stone water, which is reached at a depth of from 15 to 35 feet.

Quitman, our county seat, has 25 or 30 of as fine artesian or flowing wells as can be found in the United States. We also have abundance of pine and hardwood. The pine is of the turpentine variety, and until of late the running of and distilling turpentine was one of our leading occupations. But saw mills from every direction have located here and the forests are being fast destroyed, therefore "turpentine running" has met a terrible blow. But then the wealth and natural resources of the South in general are just becoming known in the North, East and West, together with the big price for cotton, is why times are becoming so much better here. A boom in general is expected.

This has been a beautiful winter in Mississippi; have seen very little snow, not enough to make the ground white, and there has not been a day this winter but what a man could work and be comfortable without a coat. During Christmas week I sowed nine acres of oats. They are now coming up and are looking nice and green. Today we began preparing land for Irish potatoes. Will plant the first of February. A good many of our truckers have already planted peas and set their cabbage plants. Will be planting corn in six weeks.

Cotton is our main crop, and next in importance is corn, peanuts, peas, sweet potatoes, cane, oats, hay, melons and all kinds of vegetables and fruits. Owing to our mild climate I believe this to be one of the finest localities in the United States for the raising of poultry. Yet it is greatly neglected and of blooded stock especially. We keep quite a large flock and we find they are one of the best paying features of the farm. They are fed principally upon Spanish peanuts and they are a most excellent food as they are great egg producers and the fowls are always in a shiny and healthy condition.

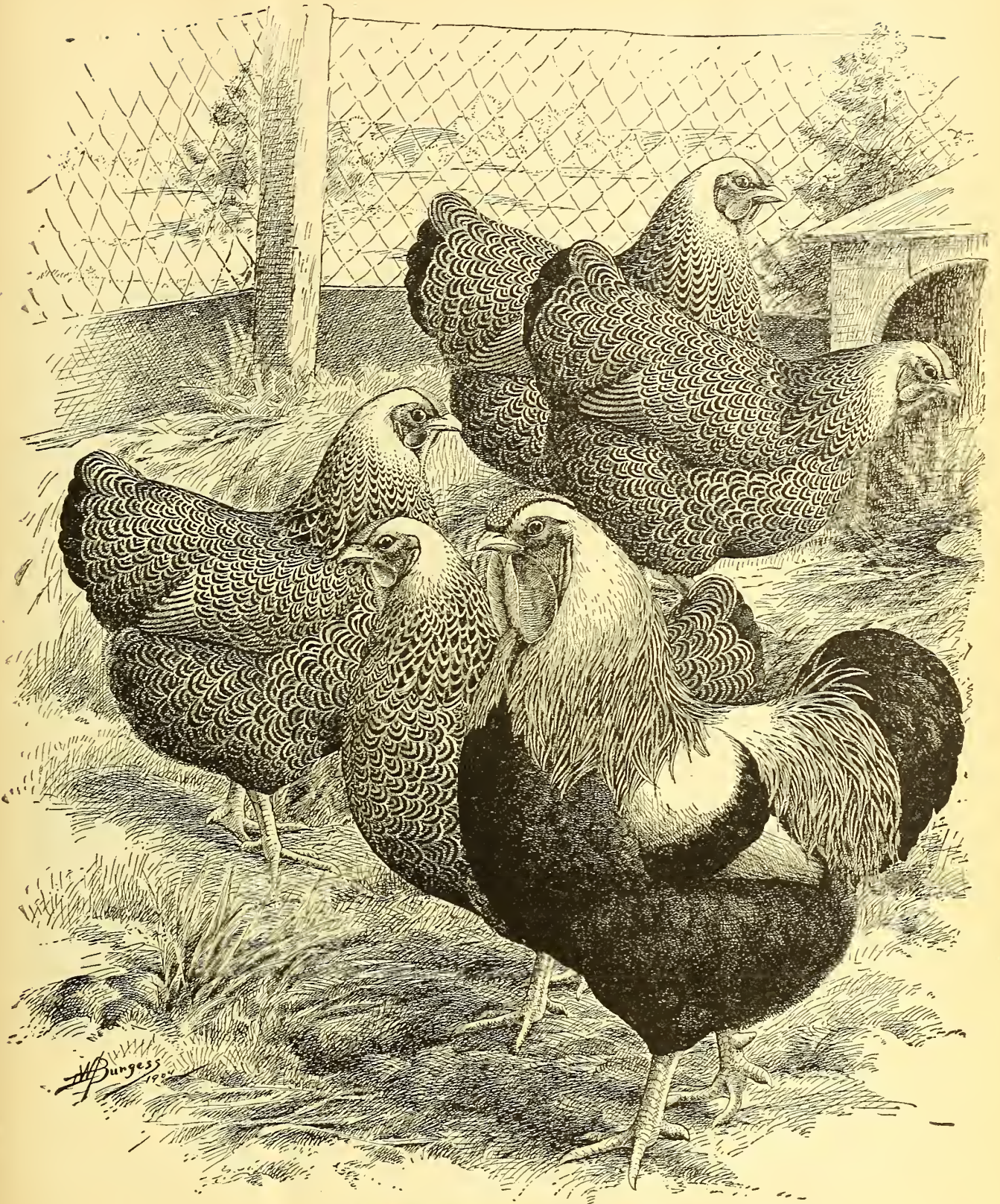
A friend of mine, Mr. C. A. Strohman, of Wisconsin, tried feeding his fancy Barred Plymouth Rocks on them and in a recent letter from him he said I had just ought to see his flock, which was just ready for show; that he had been feeding on the early Spanish peanuts; said they fairly shone. He also stated that he raised his own peanuts, and I don't see why they cannot be raised in most any latitude for with us the Spanish variety will mature in ninety days.

The markets of the South are also in favor of poultry growing for they are always willing to pay big prices for both eggs and fowls. During the holidays eggs advanced as high as 50 cents in some of our home markets, and I wouldn't be surprised if they reached 75 cents in our gulf ports. I have never had much experience in raising fancy poultry. But judging from the knowledge I have I believe peanuts are one of the finest kind of foods there is to make a bird look "sporty." In conclusion, I hope this short letter will be interesting and comforting to the readers of the AMERICAN POULTRY JOURNAL who have been shivering around in the deep snow for these many weeks. Wishing all success I close. Yours truly,

De Soto, Miss.

C. G. VANNESS.

We advise Mr. Adams to buy not to exceed two pens of fowls of the breed selected. It would be better, perhaps, if the start was made with one pen, say one male and six to eight females. And here is where we lay the foundation of the business. He should buy this stock of a breeder who has a thoroughly established strain of fowls. He should buy specimens representative of the best of the breed in shape, color and all markings. These females should be, if possible, full sisters. The male should carry some of the same blood as the females. A few of such fowl will cost some money but are cheap at most any price. With such a pen our correspondent has something upon which to build.



E. G. WYCKOFF'S SILVER PENCILED WYANDOTTES.

First pen Silver Penciled Wyandottes at the Great World's Fair show bred, owned and exhibited by E. G. Wyckoff, Ithaca, N. Y. In all the Wyandottes at this the greatest Wyandotte show ever held in the world, over 2,000 birds in the class, it is doubtful if five individual specimens of any one variety, regardless of owners, could have been selected showing more real merit than the cock and four hens representing this pen. Grand in shape, comb, color and size. A credit to the breed and an honor to the owner. In this great show, Mr. Wyckoff won every first prize and every second prize but one, a record, considering competition, that will probably stand for years.

PROCURING FERTILE EGGS.

Quality and Management of fowls for Procuring the Highest Percentage of Fertility.

The fertility of eggs depends largely on the quality of the stock. If we expect to have a large per cent of fertile eggs, we must breed stock that has stamina and strong vitality. We must properly mate and feed to produce fertile eggs.

For breeding, every poultryman should use birds of strong and vigorous temperament; birds capable of reproducing their characteristics in their offspring. From such birds we may expect, under proper conditions, to get a high percentage of fertile eggs.

Having birds possessed of these combined qualities, provide a house that is well ventilated, commodious and clean, and have it so constructed that the pens will be warm in winter. Let it be large enough to give a limited number of fowls all the exercise they need. Birds crowded in close quarters, with not enough exercise, will soon have impaired health and cannot, on any account, produce very many fertile eggs, and those that are fertile will generally bring weak and sickly chicks.

It is plain that selection in breeding can accomplish nothing unless the birds are first surrounded by favorable conditions. First, have the conditions favorable, then select your birds with judicious care, having constantly in mind the object sought for in selecting your birds.

The bird of superior merit not only has more good points but it has fewer bad points. When we select and mate two superior birds, their merits are doubled and their defects are divided, as compared with the merits and faults of birds reproduced in their offspring. The above we find especially true in mating birds; if we mate birds showing stamina and strong vitality, we look for a high percent of fertile eggs, and this special characteristic will be established in their offspring.

When selecting a male bird we must not lose sight of the fact that he comprises half the flock. It is therefore expedient that we select one that is strong and vigorous and well developed in his sexual qualities and showing nothing of weakened vitality.

As regards the selection of females, we must take into consideration the fact that each flock has three classes of layers, viz.: the heavy layer, the average layer and the poor layer. Each flock has hens whose eggs hatch well and also hens whose eggs are almost entirely infertile. We have no rule whatever that the heavy layer is identified with the infertile hen. If we assume that the heavy layer's eggs are infertile because of heavy laying, we are just as far from the fact as the statement that the poor layer's eggs are infertile because of the few eggs they lay. Where stimulants are used to increase the egg yield, or if a hen is forced to lay two hundred or more eggs a year, it may doubtless be expected that the eggs from the heaviest layer would prove most infertile.

When stimulants are regularly fed to increase the egg yield, infertility may be immediately noticed in decreased percentage of eggs hatched, and the mortality in the chicks that are hatched. The few chicks hatching from such eggs will be weakened, sickly, and none of them will likely remain in the course of a few weeks. It stands to reason therefore that what prevents so many hatching must certainly affect the health of those that are hatched. In seasons when your eggs show a high percentage of fertility, the chicks will usually thrive well. On the contrary, take years when the eggs do not hatch well what will be the result: the chicks will be poor and weak, many living only a few days, and those that live longer will be more or less troubled with colds, swollen eyes and other diseases. The cause of the small per cent of fertile eggs and mortality in chicks can invariably be traced directly to improper feeding.

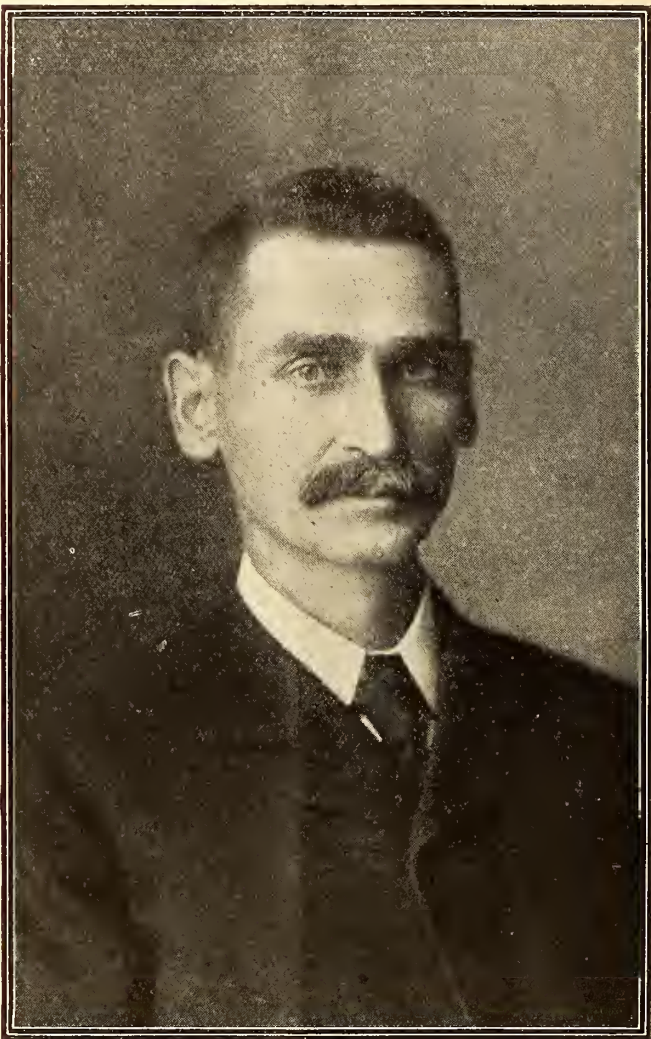
Does any one of us know what proper feeding is? Experience will be the best teacher in this respect. We should try and bring the conditions as near to nature's conditions as we possibly can. When a hen steals her nest and comes off with every egg hatched, those eggs certainly had the highest per cent of fertility. Here nature had its own way and brought about the desired result. Now we ought to study nature's ways, and the nearer we get to its ways the better results will be.

In our efforts to obtain satisfactory results we should imitate nature as far as possible, and where it seems to us that nature lacks one important factor, we should improve on it as far as our limited knowledge can conceive.

Fowls will not exercise for the sake of exercising. When given a full crop in the morning they will doze around until they are prompted by hunger to move. I have learned by experience that when given a full morning mash they apparently do not see the grain thrown in the litter for them.

Good results are obtained by different breeders through so many different methods that an attempt to give a fixed method of correct feeding would prove futile. However, a few things to be taken into consideration are the breed, or breeds, kept, and the climate. A fixed ration adapted to one of the smaller breeds would perhaps bring highly encouraging results and on the contrary, bring very discouraging results when fed to one of the heavier breeds.

The climatic advantages are such as to place the Southern States pre-eminently at the head of any other section of the United States or Canada for high percentage of fertility any part of the season. The breeders of the South can give their fowls free range when our fowls must be confined on account



G. D. HOLDEN
President American Poultry Association.

of the severity of the climate in winter and consequently the per cent of fertility is decreased.

A method successfully followed by a large number of poultrymen is to throw all grain in litter strewn in the pens. Before feeding have your pens strewn with deep litter or straw; in this throw some grain in the morning—just enough to keep the hens busy scratching for it. This is certainly nature's way, as the hens have to exercise to get each grain. When this method is followed the hens have no chance to gorge their crops and doze round the rest of the day. At night a warm mash should be given. This will digest quicker than grain, besides bringing the birds from the roosts in the morning with a sharpened appetite. The plan of feeding the mash at night is far better than when fed in the morning or at noon. They fill up on it and stand round all the day till the night feed comes. Where grain is fed at night

in deep litter, it is often the case that it leaves the hen with probably only half a feed. There is no fixed rule for quantity, nor will there ever be. Watch them—study their wants and then supply them as well as you can. Do not overfeed them; this you can hardly do if they have plenty of exercise, but do not go to the other extreme and underfeed them—each will have its bad result. Fowls need a variety of food. At noon cabbage, turnips or some other green food will be greatly relished. Supply plenty of grit and also fresh water daily in clean drinking fountains. Rinse or wash the fountains daily, so that the hens may always have access to pure water, and not this filthy, impure stuff that has been standing for a few days in dirty fountains. Impure water given to fowls will show decreased fertility, and it is certainly one of the best agents to bring disease.

In the poultry business, as in all other vocations, success depends quite as much upon minor details as upon the major details. The smaller details often become the most important



T. E. ORR
Secretary American Poultry Association.

when taken in the aggregate. The work of caring for our fowls seems at first thought to be only a minor detail, but when everything is taken together, what would poultry keeping amount to if the fowls did not receive the care and attention they need. At what time of the year is care not necessary for the fowls? They certainly require constant care, although they should have special care during the breeding season and the moulting period. Care must be taken in feeding and careful attention should be paid to the cleanliness and to everything that is for the fowls' comfort. House your fowls comfortably, and this, with due regard to the other features mentioned, should give you satisfactory results.

Fowls, as well as human beings, appreciate nice, clean and cheerful quarters, and when kept in such will be found to more than pay for the extra work given. Cleanliness is the one word every poultryman should have in mind, as it is one

of the first essentials to success in poultry keeping. Where cleanliness is exercised in every detail, there will be little trouble with disease, and with that undesirable vermin, lice. When fowls are once infested with lice it will be found extremely difficult to have them exterminated. Have your roosts so arranged that they can be easily cleaned. Scrape off the droppings every day. Scatter chaff on the dropping board, as it will aid in removing the droppings, besides being of great value in retaining the fertilizing properties. Provide dust boxes in every house as they are a necessity. The dust bath is the same to fowls as the morning bath is to civilized man.

See to it that there is no draught through the pens at night, as nothing will affect your fowls more than a strong draught of cool night air.

To become a successful breeder you must be a lover of poultry, and be also adapted for the work that necessarily comes to a successful breeder.

Do not commence on too large a scale, especially if you have had no experience with fowls. Take into consideration that you must have a place for the fowls, money must be invested in good birds, food and other materials, and finally, hard work and plenty of it is necessary in the care and management of fowls.

Be with your birds as much as time will permit. Get them to be tame and docile. Birds that are tame will be glad when they see their owner coming, as they know they have nothing to fear when he is among them.

When you come into a chicken house and the hens fly for the nearest window, or make their escape the quickest way possible, it indicates harsh treatment, or shows that the tender regard that ought to exist for the birds is wanting.

In conclusion let me state that there are essential points in poultry culture of practical benefit to every fancier that are of untold value. These can only be acquired by experience. However, much we may be aided by the good advice of others we must learn by doing ourselves.

There are two ways of doing almost everything—a right and a wrong way—rearing and keeping fowls is no exception. There must be systematic work, and the same reasonable attention to health and thrift that is given to all business, if we are to attain success.

M. C. HERNER.

Manheim, Ont.

ADVERTISE AND PROSPER.

The best advertised business as a rule is the most prosperous. But we should be sure we have something worthy of attention before we call attention to it. High scoring birds in good condition, exhibited in the show rooms, are good advertisements as far as they go, but they do not go far enough. The best poultry journals and papers go much farther. I hear you say that is expensive. So we thought for fifteen years and during that time when we wanted good stock, and that was always, we paid a good price for it to some one who was not afraid to advertise. Do you think it paid us to send stock and eggs to the common market, such as other people were selling from \$1 to \$25 a head and eggs \$1 to \$5 a sitting. Very poor economy it was. Don't you think so? It is a poor business that won't stand the expense of a little advertising. Every breeder should go by the golden rule and not send out stock or eggs that he would not want to use himself. It would be better to sell no cheap birds than to sell those not fit to breed from. It may be an easy way to sell all good stock but a small pen or two of each variety, and advertise eggs from pens of high scoring birds and then go on and sell hundreds of sittings of eggs from a main flock headed perhaps by an inferior or unsalable bird, fit only for the dinner pot. I have known some to do this and have been advised that that was the way to make the business pay, but I doubt if such a policy would pay in the end. At any rate a true fancier would scorn this way and would hardly enjoy the dollars and cents it gained him at the cost of his reputation in the end; and the thought that such stock was sent around the country as of his breeding. I hear fanciers say: I send the best birds to the best customers. Every customer should be considered a good customer and be accorded equal consideration. One never knows when they send out stock who will see it or how much opportunity it will have to help or hurt his future trade. It is the safest and pays the best to do a straightforward, honest business and have everything that is sent out just at it is represented. Such a policy with care in breeding and proper advertising will in the end win success in the poultry business, which is no longer a small item left to the management of the women and children of the family, but a great and growing industry, with room for many more competitors.

T. R. BELLAMY.

Norwalk, Ohio.

Geo. W. Mitchell's World Renowned Partridge Cochins.

**America's Leading Strain of Great New York Winners
Illustrated in this month's American Poultry
Journal Frontispiece.**

The beautiful frontispiece of one of Geo. W. Mitchell's Partridge Cochins is adapted and enlarged from one of Sewell's pictures that he made from a model furnished by Mr. Mitchell and rearranged for AMERICAN POULTRY JOURNAL by our special artist.

The best introduction for this article that can be made to our readers is the significant statement that Mr. Mitchell's Partridge Cochins have been very prominent winners at Madison Square Garden, New York, for many years and that Mr. Mitchell has three times won the grand special for best cochin, competing with all varieties of cochins. Going back over a period of nearly ten years, Mr. Mitchell's record of winnings reads like a complete list of awards at a Poultry Show. Present day breeders, as a general rule, look to recent winnings in order to establish the value of a man's birds, but a record of continuous winning for ten years or more is something out of the ordinary and is certainly a basis upon which to lay claim to superior excellence. At the recent New York Madison Square Garden Show, Jan., 1905, Mr. Mitchell won 1st and 2d cock, hen, cockerel and pullet, also winning the grand special for best Cochin any variety, competing with the Buff, Partridge and White.

In speaking of his birds, Mr. Mitchell says: "It has long been my purpose to establish a strain of Partridge Cochin fowls that will produce males and females of the highest quality from a single mating. How well I have succeeded in this can be considered from my record. While building up my blood lines for the production of this high quality from the single mating plan, I have continually followed the double mating plan, particularly for producing exhibition males with the proper top and breast color."

Mr. George W. Mitchell, of Bristol, Conn., breeder of exhibition Partridge Cochins, is one of the pacemakers in the poultry field, says a writer in a recent reliable poultry journal. For many years past he has bred the best Partridge Cochins produced in the world. This is saying much, but it is the fact. Not only this, but Mr. Mitchell has attained a degree of excellence in his birds that has been a revelation, not alone to breeders of Partridge Cochins, but of other varieties of standard fowls. Really the work he has accomplished falls little short of the marvelous.

It is impossible for the uninformed to realize from an attempted description in words what Mr. Mitchell has succeeded in doing. He has obtained a rich, lustrous, mahogany surface color and a regularity and uniformity of penciling in Partridge Cochin females that is truly wonderful. He has shown not only the public at large, but expert breeders as well, what can be accomplished in the production of fowls bred to an ideal. For a person with an eye for beauty in form and color to pass down the aisle of the New York show, inspecting one by one, twenty or thirty of Mr. Mitchell's finest specimens, is for that person to dimly realize why "poultry cranks" exist and why a man once thoroughly imbued with a love of standard poultry, that is, of standard poultry of highest quality, never gets over it.

Recently the writer stood looking at some of Mr. Mitchell's birds that were being shown to him by Mr. Anderson, their caretaker. A third person stood near-by who displayed some interest. Finally he said, "At what price do you hold birds like those?" Mr. Anderson replied, "Anywhere from \$50 to \$500 each." How extreme these prices must seem to the uninitiated, to persons who care little about standard-bred poultry and know even less. But these prices are legitimate and bona-fide. They are prices which Mr. Mitchell actually values birds of this quality, and their value is fixed not alone by his love for them, but by the demand which exists for them. We know it is a fact that every season Mr. Mitchell turns down dozens of orders for high quality exhibition birds, simply because he can not breed enough of them.

The country to-day has all the "fair to good" birds of the different breeds and varieties it needs—yes, far more than it needs, but there is now and will continue to be throughout all time, or so long as man occupies this planet, a scarcity "of the best." There will always be the same effort among men to produce the highest quality, and the demand for birds of this kind will steadily increase with

the increasing population and wealth, in fact will never be less than it is to-day, and to-day it far exceeds the supply. This is one branch of the poultry business in which we have great confidence.

Although Mr. Mitchell's residence at Bristol, Conn., is right in town, he has demonstrated that it is not necessary to have a 40 acre farm to raise fine birds. His poultry house is a model for neatness, and the second story is entirely arranged with individual pens for setters as well as pens for mated birds. It is equipped with incandescent electric lights so that the birds can be seen to good advantage in the evening.

A visitor at his place thus described the birds as he saw them:

A long row of exhibition coops extend the whole length of the building, and we found these full of birds for our inspection. It is hardly necessary to say that they were Partridge Cochins. Among these birds we found some grand colored males with splendidly marked saddles and hackles, and fine leg and toe feathering. The true shape was also very noticeable. Coming to the females, we saw the birds that won as pullets at New York last year, and in their matronly state they seemed to be even better than when



BUFF WYANDOTTES.

First prize hen Chicago, Dec. 1903, sitting. Third prize hen Chicago, Dec. 1903, standing. Bred and owned by Ackley & Page, Woodstock, Ill.

younger. The penciling is something grand, and they possess that rich color so much admired by the lovers of the Partridge Cochins. Next in order came the young males, and although they were not hatched until well into the summer, they have matured well. They looked as though they had been groomed for the occasion, but it was simply the result of excellent care from the time they were hatched. Here shape was again prominent, as was also the strong color points of their sires. Passing on to the pullets we found some gems, penciled most exquisitely, even down into the fluff, and one of them has the shortest legs we ever saw on a Cochin, with immense fluff and full breast. She looked like a great ball of feathers resting on the bottom of the coop.

To sum it up, we can say that Geo. W. Mitchell has a national reputation as a breeder of Partridge Cochins, and has never failed to take nearly all the prizes at the great poultry shows held at New York annually for many years.

We like the tone of that letter and believe that if Mr. Adams goes into the poultry business he will meet with success. Any laboring man who will practice strict economy and by reason of this become possessed of a home is the kind of a man who is very apt to succeed in whatever he undertakes.

BOYERS BREVITY ITEMS.

Written by M. K. Boyer, Associate Editor American Poultry Journal.

HINTS ON DOCTORING.

A too-fat condition is not a healthy one.

A bright red comb and face is a good indication of health.

An ointment of vaseline and sulphur is a good one for scaly legs.

For canker in fowls, alum water is recommended. Put alum in the drinking water.

There is nothing better for frosted combs and wattles than vaseline.

The best tonics you can give your stock are fresh air and exercise.

A busy fowl is never a sick one. The moment it is ailing it becomes mopeish.

Disinfect, if possible, once a week. It is the only way to kill disease germs.

Idleness cannot be classed as a disease, but is a condition that quickly leads up to such.

Disease comes to many flocks through the drinking vessels. Disease lurks in filthy water fountains.

It is a noteworthy fact that the cry of "cholera" comes from sections where corn is the main diet.

Another cure for sore head is bathing with salt water, and afterward anointing with carbolized vaseline.

For sore head or chicken pox, an ointment made of two parts lard and one part kerosene, is reliable.

Cases of roup have been greatly benefited by placing a little bromide of potassium in the drinking water.

The United States Department of Agriculture recommends, in warding off roup, a decrease in the proportion of corn, and an increase in the proportion of meat food, in the daily ration.

There is nothing better for a recently contracted cold than a one-grain quinine pill given each night for three nights in succession.

Fowls are naturally of a hardy nature. They can be kept so by breeding only from the strongest and most vigorous birds, and never inbreeding.

For sneezing, and slight colds, a simple remedy is a tablespoonful of kerosene in the drinking water, to be repeated for several days in succession.

For limber neck, a teaspoonful of sugar, dissolved in a wineglass of water, a lot of which is squirted down the throat of the afflicted fowl, is recommended.

While we are opposed to give a well fowl medicine, we can see no reasonable excuse for allowing the first symptoms of sickness to develop into disease.

If the droppings of the fowls are not in normal condition, give a teaspoonful of soda water (bicarbonate) to each afflicted bird. In making the water use three heaping teaspoonfuls of soda to a pint of water. Follow with a one-grain quinine pill each night for three nights in succession.

Salt aids in the performance of the various functions of the body, as digesting the food and its absorption of the blood.

It is said by those who tried it, that gin and molasses, equal parts, put in a bottle, and well shaken before using, is an excellent tonic and preventative of colds and roup.

NOTES IN PASSING.

There is a greater danger in carelessness than disease.

Nothing will more quickly make scrubs out of good stock than scrub treatment.

April hatched Leghorns generally give better results than those hatched in May.

We would rather own a healthy and good scrub fowl than a poorly-bred thoroughbred.

It is a "penny wise and pound foolish" practice to start a poultry farm with scrub stock.

It is only the shiftless poultryman that puts off until tomorrow what should be done today.

We fear this getting the Brown Leghorns down to bantam size is going to cripple the egg production.

C. P. Reynolds says vigilance wins a thousand successes for the poultryman where "luck" captures one.

Women, as a rule, are more successful with poultry, as they are more mindful of the details of the work.

We never yet saw a man succeed in poultry culture that had a quick temper, or who was easily discouraged.

It is better for the wife to earn pin money at poultry raising than at the washtub or the sewing machine.

Patience, perseverance, pluck, enterprise and capital are qualifications that every poultryman should possess.

Whatever is worth doing at all is worth doing well. Things done in a haphazard fashion are never rightly performed.

The American idea in a breed is hardness and utility, and any fancier who ignores those qualities is certainly un-American.

The *Poultry Herald* thinks poultry raising is similar to farming, in that it is not so much the number of acres owned, but the number properly handled that gives the profits. Small, well-cared for flocks of fowls always bring the best returns.

He wants information upon which he can rely, and which will enable him to start aright.

"Bad luck" is nothing more than a penalty for mismanagement. Before you begin to complain, it would be better to investigate.

A simple way to distinguish the sex of Guinea fowls, is to compare wattles; those of the male are double the size of those of the female.

Remember, there is no effect without a cause. If matters do not go exactly right on the farm, look up the reason and apply the remedy.

It is unwise to breed more than two years from the same male, as there is a danger of weakening by the common degeneration which always results from inbreeding.

"Love lightens labor." This is very true in the poultry yard. Those who love fowls will give them the best of care, and the work becomes a pleasure instead of a hardship.

If you have a man on the farm who merely works for wages, get rid of him. On the other hand, if he takes a live interest in your welfare, he is a treasure, and you should take good care of him.

The habitual loafer is a menace to any well regulated poultry farm, and she should be made to do pot service at the very first opportunity. That is *Iowa Homestead's* opinion of the idle hen, and it is a good one, too.

It is impossible to avoid all misfortune. Setbacks come to the most experienced men. But if we carefully note each stumbling block, and will try to get at the bottom of it, the chances are we will soon master the situation.

A good, and at the same time cheap, disinfectant is made by dissolving in five gallons of water, three pounds of copperas, to which is added one pint of crude carbolic acid. Use a common watering pot and sprinkle the house and yard occasionally with this mixture.

"Procrastination is the thief of time" is an old proverb that applies to the poultry yard as forcibly as anywhere else.

Well cared for, a man can make a good living with hens, says *Iowa Homestead*. There is no fortune in their keeping, but there is a good, steady occupation.

The *Baltimore Sun* says a safe cat among chicks is a nine times dead cat. That all depends how you raise and treat the cats. The writer always keeps about a half dozen cats on his poultry farm, but they were all raised among the chicks, and being well fed, they have no desire to catch chicks.

We want better egg records, and we want better carcasses, but it does not seem to have occurred to the average poultryman that it is far easier and better to secure or increase those qualities in the breeds we have, by proper care and mating, than it is to manufacture something new with the desired traits.

He who aims to make a living by poultry culture, says the *Poultry Messenger*, must be industrious and hard working. But hard work alone will not bring success. Some of the hardest working people in the world make a failure of life. The labor must be well directed—in accordance with a well thought out plan.

Breeding for beauty is all right in its place, says *Farmer's Voice*, but where beauty interferes with utility, is the place to let beauty take second place. There are mongrel hens that lay as many eggs as the most prolific Leghorns, but they cannot be depended on to transmit the tendency to their progeny. This is where the mongrel fails.

The late William Cook, of England, once said: "It is utility that the keeper of farm poultry has in view. His standard is, or should be, one made up of table qualities, laying powers, and constitutional hardness. He may attach more or less weight to table qualities or laying powers, according to circumstances, but both must always be kept in view."

The *Poultry Messenger* says the road to success is through a maze of mistakes and failures. The man who trips and falls and lies sprawling on the ground, bemoaning the misstep that brought him down, is not fit for the chicken business, or for much of anything else. The poultry business would lose half of its attractiveness if people of that stamp could succeed in it.

Among the reasons why many poultry raisers fail to meet with success, when they increase their flocks, the *Baltimore Sun* assigns the following: They fail to increase their accommodations in proportion to the increase in the flock; they fail to recognize the fact that large flocks are difficult to feed so that each individual may secure its allotted share; that various ailments have to be guarded against where large flocks are kept.

American Poultry Journal

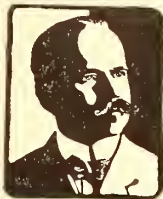
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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide circulation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Advertising rates are sent upon request.

50,000 A. P. J.'s for February, 1905.

State of Illinois, County of Cook, ss.

Chicago, Jan. 27, 1905.

James W. Bell, manager of the Recorder Publishing Company, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding fifty thousand copies of the February, 1905, issue.

JAMES W. BELL.

Subscribed and sworn to before me this 27th day of January, 1905.

BLANCHE ELDER EDDY,
Notary Public.

GUARANTEED SUBSCRIBERS.

To our subscribers the display advertisers of the American Poultry Journal are guaranteed; that is, if any advertiser using display space in these columns is proved to be a swindler, the American Poultry Journal will make good to the subscriber the amount lost. We do not guarantee that men in good standing shall agree in their opinions; we do not guarantee nature against infertile eggs, but we do agree that in case a downright swindler succeeds in swindling a subscriber, we will reimburse that subscriber and publish the rascality of the swindler. We ask, in consideration of this guarantee, that our subscribers, when writing to an American Poultry Journal advertiser, say, in every case, "Saw your ad in the American Poultry Journal." In no case will this be to your disadvantage, while in many cases it may serve you well. In either event we shall be obliged to you.

Twenty-Ninth Annual Meeting of The American Poultry Association.

This annual session will long be remembered as one of importance in the history of the American Poultry Association. Some comment has been made at the lateness of the day in the week and the hour in the afternoon at which the meeting was called. While this may have worked against the interests of some who had made other appointments for the latter part of the week, yet it is not without its recompense. The judging of the show and its consequent annoyance had been completely finished and those in attendance were at liberty to give their undivided attention to the business report.

It was evident before the meeting was

called to order that there was quite a feeling against the program which seemed to have been arranged. It has been charged against the American Poultry Association that it always elected its chief executive officer from the members who happened to be in attendance from the city where the meeting was held. This method, it is contended, did not bring out the best available candidates. It was rumored that a meeting had been held of the Minneapolis men and a selection made as to the president to be elected.

Quite a number of persons have made applications for membership, and it has always been charged that these new members join, becoming annual members, simply for the purpose of voting. In confirmation of this, it has been pointed out that the annual members did not, as a rule, follow up their membership by the payment of annual dues. It has been urged for many years that something should be done to stop the practice. On the other hand, it was now contended that it should not be done at this Minneapolis meeting. But when the executive committee met, it was found that a majority were opposed to admit any new members until after the election.

Mr. Holden, of Minnesota, was nominated for president. Mr. Crawford of New Jersey was put in nomination and it was urged that Mr. Crawford, as an old member has grown gray in the service and it was not fitting that we should pass over the many such members and give the honor to one who never had attended more than one session of the Association. Mr. Holden retorted that this was right, as he believed that Mr. Crawford ought to be elected. This remarkable utterance coming from a candidate carried with it such honesty of purpose, such a comprehensiveness of the needs of the Association, that the one who nominated Mr. Crawford saw fit to withdraw the nomination, stating that it was the principle that was at stake and not the man and Mr. Holden seemed to fit the principle. The argument was not like a two edged saw which cut two ways; while a man should not be elected simply on account of location, neither should an honest and able man be passed by because he happened to be a resident of the place where the meeting was being held. Thereupon, Mr. Holden was unanimously elected. Mr. T. E. Orr was put in nomination for secretary by Mr. Frank B. White of Chicago, ably seconded by Mr. Hewes, of Indianapolis and unanimously elected. Vice-Presidents and members of the Executive Committee, Auditing Board and Advisory Board were in most cases re-elected to the offices held by them the previous year.

The Rose Comb Rhode Island Reds were admitted to the Standard under the name of American Reds. The Pea Comb Buckeye Reds were admitted to the Standard under the name of the Buckeyes. The petition of the Rose Comb Rhode Island Red men received but slight consideration. It was urged that the constitutional requirements of the exhibition of specimens, old and young, of each sex at the show in connection with which this meeting was being held, had not been complied with. We may mention it is hard to understand, however, how the American Reds could have been admitted as the breed which had formerly been called Rhode Island Red, if there were not the proper

requirements as to the exhibition of the Rhode Island Reds. The meeting voted it would not admit the Rose Comb Rhode Island Reds.

Attention was called to the fact that when at Rochester, the Association adjourned to meet at St. Louis, it was with the proviso that it should be without expense to the Association. The officers had been obliged to attend and pay their own expenses whereupon a motion was made that the action of the Rochester meeting be resented and that the President be allowed his hotel and traveling expenses.

Mr. Smith, of Oregon, was voted a member, having paid, as it was claimed, his fee for life membership to H. A. Bridge. This statement was questioned by Mr. Kimmey who thought he recollected that the membership fee was paid to Mr. Orr.

The Association adjourned to meet at Hagerstown at a date to be appointed by the President and Secretary.

The Minneapolis Show.

The city of Minneapolis is to be congratulated on its possession of so enthusiastic and loyal a band of officers as that which has control of its annual exhibition. To them, Minneapolis and Minnesota is the world. They raise the most and the best wheat; their corn, if not the greatest in quantity, is the best in quality; a building seven stories high is a sky scraper; their chickens can crow the loudest and lay the most eggs; their show is the greatest on the continent and the largest, except alone New York; they took the most prizes at St. Louis and their prizes were the highest percent. All of these boast is the common talk around the show room and wherever one gets in contact with a member of the committee. Perhaps, many of these statements may create a feeling of envy in the breasts of the stranger, but is soon to be dissipated by the generous hospitality and good friendship with which he is enveloped.

The exhibition was held in the upper story of the court house. The building is large and commodious and furnishes ample room for the purpose. Right in the heart of the city, with elevators to take one from the street to the door of the show room, is something of which few shows can boast.

The exhibits of poultry, pigeons, cats, dogs, incubators, brooders, supplies and poultry appliances was good. It seemed as if the birds were of the finest quality. Some comments from strangers were made as to the condition, but it should be remembered that zero weather is not conducive to the best appearance of stock.

The judging was done expeditiously and everything was harmonious. Not a single complaint was registered. Either the selection of judges had been very fortunate, or else true sportsmanship which could smile at defeat was in attendance.

It was a busy time. No opportunity was given for loitering. The meeting of the American Poultry Association, of which we speak in another place, was on the program. This was followed Friday evening by a banquet to members and exhibitors, and such a banquet. Good fellowship and hospitality was in control. After satisfying the wants of the inner man (and woman), came a program of literary feasting arranged

with admirable care. Would that we could give the witty sayings of the toast-master, the eloquent words of welcome and the oratorical brilliancy of responses. Suffice, it is to say, all was above the usual standard of such occurrences.

Early the next morning special cars were provided for the visitors which gave them a trip around the city. All points of interest, including the world famed Minnehaha Falls were visited in turn. A brief rest was taken at the rooms of the Commercial Club of St. Paul where an elegant lunch was provided. It was with a feeling of thankfulness to Minneapolis and its friends and a fullness of its entertainment that the week closed.

To the Editor AMERICAN POULTRY JOURNAL.
BLOOMINGTON, ILL., Jan. 20, 1905.

Dear Sir: I have just finished reading the article by J. F. Davis, Esq., of Iowa, in your January issue, and I wish to congratulate both him and you on that article. At this season of the Poultry Show hundreds of people are taken with the chicken fever in a violent form, and that is the best article for them to read I ever saw in print. Every sentence is a gem from beginning to end. If it were printed in capitals by every Poultry Journal in this country and reappear in each succeeding issue for a year it would be giving the article its just deserts and be a lasting benefit to the poultry industry.

Yours respectfully,

H. RINGHOUSE.

The above letter from Mr. Ringhouse is so cordial and flattering to the editor of the AMERICAN POULTRY JOURNAL that we cannot resist publishing it, thereby again calling the attention of our readers to this article, who, perhaps, in the hurry of the busy season have not read it.

The value of this article by Mr. Davis was so apparent to us that we believe every reader of AMERICAN POULTRY JOURNAL should share in the good work and advice contained therein. Every season there are thousands of fanciers commencing in poultry business, and it is the work of the poultry journals to repeat year by year the instructions for the beginners, and carry the work forward month by month. In this way the AMERICAN POULTRY JOURNAL claims to be a text book for the guide and information of the fanciers each month. However, Mr. Davis has in a few columns so condensed and simplified the main features of the poultry business that no

beginner should feel content without having first read this article and absorbed the splendid advice that he has given.

It is hardly necessary for us to say that this article is only one of many equally good ones that we aim to give readers of the AMERICAN POULTRY JOURNAL, not only in one month, but in every month of the year.

* * *

An Englishman's ideas regarding our shows makes interesting reading—and doubly so when these ideas are caustic. Mr. William Purdy, in the December 30 issue of Poultry, published in London, gives his views to the English fancy on our late St. Louis show. He begins his article by saying "the greatest talked about show ever held in America has passed away." After criticizing the method by which the entries were numbered, he begins to compare the quality of birds with those of their International, Crystal Palace, Birmingham and London dairy shows. He says we are behind modern up-to-dateness. The cooping and sanitary arrangements also get a bit of touching up from him. We think our St. Louis show judged quickly, but he does not. He compares the twenty-four cattle barns with the Palace we hear about, for both light and comfort. He likes our Barred, White and Buff Rocks and the Silver Penciled and Partridge Rocks as well. "Charming," says he! Rapture filled his soul in our White 'Dotte alley. He laughs at our still hunt for "down" or "stubs" on legs and between toes! "Putting a premium on faking." Our Silver and Golden Wyandottes are inferior to theirs! Our Brahma type is so different! Cochins are poor, outside of four birds. Langshans were fair, but lacked finish. Dorkings—except the winning pen of whites—were an insult to the breed. Orpingtons were good, but he says: "Oh! the judging," in such a way that shows he doesn't like it. Hondans were "poor," Polish were "fair," Anconas and Andalusians "moderate." He likes our Leghorns and says we breed handsomer birds than they. Minorcas, in blacks, he compares to Black Hamburgs. Our Games in big and Bantams were disappointing. As a whole, his criticisms sort of reached our "phunny-bone." We cannot take all he says as being of great value.

* * *

The man who knows enough about Wyandottes to feel safe in paying \$800 for a Partridge Wyandotte male generally breeds and exhibits good ones. An English fancier recently paid this price for a bird of this breed and variety and was handsomely pleased over it. Beefiness and big bone, general coarseness and clumsiness are foreign to the real Wyandotte of a fifth century ago—so we are told. A discussion of this subject would do great good and help to show some of the modern beef-Wyandotte fanciers the error of their efforts. Give us cobby, rounded Wyandottes!

* * *

W. Theo. Wittman has so strongly allied himself with Brown Leghorns that fanciers will be surprised to learn of his new loves, the Silver Pencilled Plymouth Rocks. They are handsome and of great use, and if this gentleman gives them the pushing that other



Don't Blame the Hens

for leaving their nests when sitting; for failing to lay their full number of eggs; for being thin and scrawny; for moulting badly. It is not their fault. As long as lice are permitted to "rule the roost"—infest their bodies, these conditions will prevail. The feeder will feed the flock very much as he would fill a leaky pail with water—at a great loss, and until the leak is stopped—until the hen is ridden of lice—can full return or profit be expected. It will take but a few minutes to turn these conditions into comfortable and profitable surroundings with

Lambert's

Death to Lice



You'll find a few cents invested in this efficient lice remedy will bring returns worth dollars. It not only rids the henneries and fowls of the pests but kills them and the mites outright. Put it on your sitting hens and watch how easy and contented they will rest. It cannot hurt eggs, chicks or hen. Equally good for all body lice on poultry, horses, cattle, dogs, hogs, plants. It's the poultry keeper's "friend in need." A fine powder easy to apply that goes direct to the skin through hair or feathers. Lambert's Ointment is splendid for head lice on young chickens. Sample box of either 10 cents post paid; 100 oz. Death to Lice by express \$1.00.

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RANKIN'S



Royal Rocks

Barred, White, Buff and

White Wyandottes

—ARE—

AMERICA'S VERY BEST

Are line-bred from America's Greatest Sires and Champions and Excelled by None.

Every bird guaranteed to please or it can be returned at once **at my expense**, in good condition and money cheerfully refunded.

H. P. RANKIN, Box 61, Hartington, Neb.

varieties have received at his hands, they will be made popular, indeed. They are undoubtedly closely related to the same variety of Wyandottes, and the two will vie with each other their places in the hearts of fanciers.

* * *

And now the Pit Game fanciers are out of patience! They do not want the A. P. A. to say a thing about or make a standard for their beloved games. If we take the Pit Games into the Standard we shall then have to provide classification for the Hennies, Smokeballs, Black Devils, Willow Legs, Cuban Greys, Japs, Aseels, Muffs, Tassels, Hurricanes, Demons—and fifty other sub-varieties. The fanciers of Pit Games will have to be contented without having a classification in the Standard if the kicks of the cockers who fight chickens amount to anything! And there are a few chicken fighters left in the country yet.

A breeder who knows a thing or two was heard to say recently that "dark horses" in big hen shows were common these days—and from the number who get into the prize list at the leading shows it must be true. The time is passed when one man can get the whole thing for himself. This man need not be "losing his grip"—it is entirely probable that some one has been watching his methods and profited by it. "Dark horses" wake us up and put new fighting blood, as it were, in our veins.

* * *

The past season has been especially notable for its many high-class exhibitions of pure-bred fowls. Beginning with 10,000 birds at St. Louis, and then a line of early winter and late fall shows, to say nothing of the grand state and district fairs held in August, September and early October, comes the biggest state shows seen in years at the poultry center of each state. Chicago holds two shows and makes them both "go;" New York did the same; Boston holds a better show than in the last decade; the west gives out its donation in the Denver, Lincoln, Cedar Rapids, Topeka, Minneapolis and other displays, while the large eastern shows have never been so well patronized. The Pacific coast holds her full quota, and most every state in the Union holds from one to twenty smaller ones. All this poultry enthusiasm means a greater interest each season in pure-bred fowls—an enlarg-

ing of the business that is the life of the poultry fraternity. The more shows the better. We should hold them at better seasons than winter for larger attendance can be secured. The first of November will see many a good show inside of five years—as also will the last of February. We should have them and we will!

* * *

This show season is nearly over and those who have attended any number of good ones know what an impetus they have given the industry. The past year has been notable because of its wonderfully large exhibitions, but this season bids fair to eclipse it. Beginning in October at St. Louis, and the big cities holding two each, both successful, the season has been unparalleled. Boom prices have not been paid for new varieties, and the industry seems to be on a sound basis. We hear of less dissatisfaction among exhibitors than ever before. And there really is less—which means that judges are getting together. In every show-room fanciers and farmers are buying and selling, and "dark horses" are coming out after years of conscientious breeding to show what they have been producing. And thus the business is being built up and made sounder and more profitable.

* * *

There is a whole planet waiting to give its work to a man who can make a good photograph of a bird. We have some greatly esteemed artists who can use pen and ink, but mighty few real, live poultry photographers! A few good photographs and half-tones of fowls appear each winter, but we wait for the man who can and will use his camera the year 'round for the poultry men.

* * *

Mr. Robert Condee, of Los Angeles, has weathered his "Western Fancier" through the trials of getting it "on its legs," and we cannot but congratulate him on its tasty appearance. He is making it one of the leading journals on the Pacific coast. Genuine western energy and plenty of "go-after-it-hard" is doing wonders for the "Western Fancier."

* * *

E. O. Roessle, in an address before the New York Farmers' Club, said if you fill a hen's crop before ten o'clock in the morning, you simply introduce a fit of indigestion.

Mr. Homer Davenport made another grand display of oddities of the pheasant and pigeon tribe at the Madison Square show this year. This gentleman would make a champion of any breed he took hold of. It would make fanciers "go some" if he were to take up White Dottes or Barred Rocks, for instance! His grey, red and green jungle fowls drew much attention. These are supposed to be the origin of the domestic fowl of today. His green jungles came from Borneo, and many claim them the only ones in America today. The Crowned Pigeons of Madagascar and the Vulturine Pigeon from that same island are wonderful in their oddness. Plumage on these fowls is handsome, indeed. Impayan, Himalayan Monsul and Peacock pheasants were also showed from Mr. Davenport's farm. Mr. Davenport exhibited a royal line of the various varieties of pea fowls. His zeal in collecting these strange and handsome creatures increases yearly. As a fancier of odd birds he will soon become as famous as for his cartoons.

FEEDING SYSTEM.

Several readers of the AMERICAN POULTRY JOURNAL wrote me in regard to my system of feeding, saying some parts they could not understand as given on page 86, January number. One party asks how I get 15 pens to eat 34 quarts of mash. The 34 quarts of mash is fed to 300 fowls, 250 Leghorns and 50 White Wyandottes. Sometimes they do not eat quite all of it, but usually they do. And the reason I feed corn after the mash is fowls will eat whole corn when they will not any other grain. The 300 consume from 4 to 6 quarts of corn after eating all the mash they will. My experience is if we want plenty of eggs we must feed heavy. A great layer is always a good feeder. Those long bodied birds have a great capacity for eggs and food. Don't try to economize with the food. Be sure to feed enough.

W. C. COFFMAN.

Marinette, Wis.

Drevenstedt says the road to success in poultry keeping, which reaches the goal of profit, is not all smooth and level. Where the road is most difficult, the owner must drive, for personal observation is necessary to avoid rocks that wreck.

CHAMBERLAIN'S PERFECT

CHICK FEED.

HEN FEED.

MASH EGG FEED.

EVERGREEN CLOVER MEAL.

PIGEON FEED.



\$2.50 per 100 lbs.



\$2.00 per 100 lbs.



\$2.50 per 100 lbs.



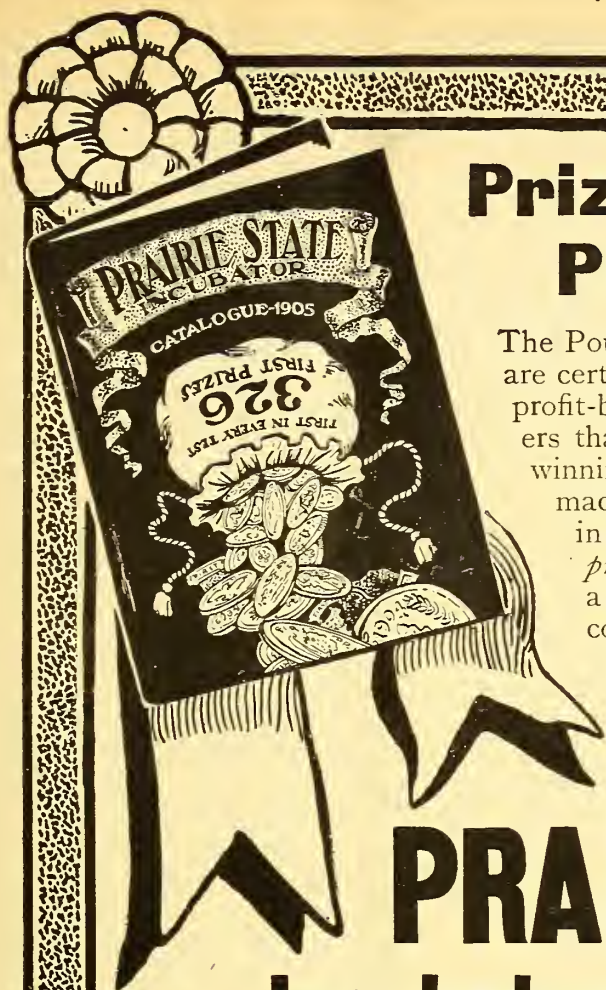
\$2.50 per 100 lbs.



\$2.50 per 100 lbs.

Chamberlain's Perfect Feeds are all original and are the standard poultry foods of the world. Nothing just as good. Perfect Mash is the great moulting feed. Chamberlain's Perfect Lice Powder 25c per pound. Chamberlain's Perfect Lice Ointment 50c per jar. Some agents can sell at St. Louis prices, others cannot on account of the high rate of freight, but add a reasonable profit. **FOR SALE BY** Joseph Breck & Sons, Boston, Mass.; Wm. Elliot & Sons, New York City, N.Y.; J. Wilder & Co., Cincinnati, Ohio; J. W. Scott & Co., Pittsburg, Pa.; G. B. Benedict, Elizabeth, N.J.; National Poultry Supply Co., Cleveland, Ohio; J. E. Edwards, Detroit, Mich.; Hill & Ross, Toledo, Ohio; C. J. Daniels, Toronto, Can.; Geo. F. Motter, York, Pa.; Woodlawn Poultry Yards, Johnstown, Pa.; W. W. Banard & Co., Chicago, Ill.; Wernich Seed Co., Milwaukee, Wis.; Iowa Seed Co., Des Moines, Iowa; Huntington & Page, Indianapolis, Ind.; Southern Poultry Supply Co., Washington, D. C.; J. Everitt, Indianapolis, Ind.; F. A. Morgan, Cedar Rapids, Iowa; L. F. Jones Seed Co., Grand Rapids, Mich.; Geo. W. Moore, Tiffin, Ohio. **EGGS! EGGS!** We have 1000 high grade White and Brown Leghorn hens and to get your name will send two settings for \$1. We do this to send you our Catalogue. Only two settings sold to any one party. -Eggs sold at all times of the year.

W. F. CHAMBERLAIN, "The Perfect Chick Feed Man." St. Louis, Mo.



Prize Winners Profit Bringers

The Poultryman and the beginner in the business are certainly more interested in knowing about the profit-bringing qualities of incubators and brooders than they are in hearing about their prize winnings. And yet the fact that *Prairie State* machines have been so universally successful in winning prizes ought to prove their sterling *profit-bringing* qualities as nothing short of a thorough personal trial possibly can. In competition with almost every prominent machine on the market, before acknowledged expert judges, under the most rigid requirements, covering every point of construction and operation, *Prairie State* machines have carried off 326 first prizes.

PRAIRIE STATE Incubators and Brooders

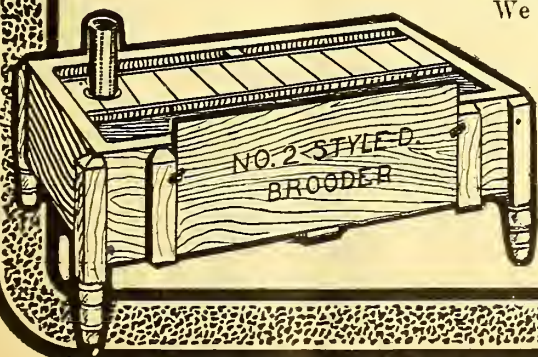
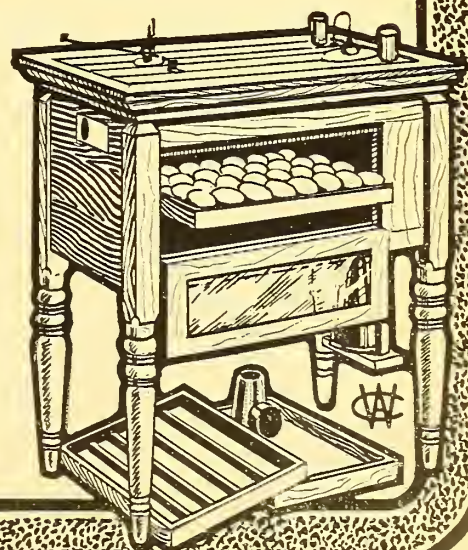
are *thoroughly practical, successful and profitable* machines to operate. They meet every requirement as no other machine does, and a personal trial will prove to you that all these prizes were justly bestowed. The construction of the machines—the materials used, the heating device and the means for regulating the heat, the moisture, the ventilation—all these points were carefully considered and severely tested by the judges, and found to excel all other devices for the artificial incubation and brooding of poultry.

But the thing that proves the most and pleases us best is that the foremost poultrymen of America, as well as of many foreign countries, have builded successful businesses through the aid of *Prairie State* machines, and are our most enthusiastic friends and largest customers. So, if history counts for anything, the beginner finds ample reason here why he should thoroughly investigate every claim made for our machines before he buys. To help you in this investigation we have just issued a new catalogue (facsimile of the cover is shown at top of this page) which sets forth the many reasons why *Prairie State* incubators and brooders are the best machines for you.

We mail it free upon request. Write for a copy today

**PRAIRIE STATE
INCUBATOR CO.**

BOX 468
HOMER CITY, PA.



The CHICAGO SHOW 1905.

The Ninth Annual Exhibition of the National Fanciers and Breeders Association was One of the best and Most Successful Ever Held in Chicago.

Reported by Thos. F. Rigg, Associate Editor American Poultry Journal.

Again have the exhibiting fanciers and breeders placed their seal of approval upon the management of the Chicago show.

The ninth annual exhibition of the National Fanciers' and Breeders' Association, January 23-28, was an unqualified success.

The Chicago show means the Chicago show.

The exhibition was held in the Coliseum Building. The great building was none too large to accommodate the entries tendered.

It was necessary to place the cat exhibit—more than 200 entries—upon the second floor in the Annex.

The show was splendidly cooped. The arrangement was most pleasing alike to exhibitors and visitors. The classification of the breeds and varieties was thoroughly systematized. The appearance presented was beautiful, and the unanimous verdict is that it was the best show, all things considered, ever held in Chicago.

The management of the detail in which the exhibitors are so much interested was warmly commended by all the exhibitors. There were no annoying delays in cooping specimens. Everything worked like clockwork. And this was a very pleasing feature to the men and women who were contestants.

Judging began promptly Tuesday forenoon, and the efficient corps of judges placed the awards satisfactorily upon the whole.

The quality of the stock shown was of the best, the leading fanciers of the nation here contesting for the high honors which winning at the Chicago show affords.

As a social function the exhibition was a pleasing success. Chicago show week is the holiday time for hundreds of fanciers who here annually meet and greatly enjoy themselves.

The display of pigeons was large, the noted lofts of the country being well represented.

The cat show, in the spacious room on the second floor, was a feature. The Beresford Cat Club and a Columbian Cat Club pooled their issues and gave one of the largest and best shows ever held in America.

Within view of all hung a banner,

"Chicago Show, January 24-29, 1906."

Every exhibitor and visiting fancier read that notice with pleasure and each was glad to say, "I will be there."

The attendance, although large, was cut short somewhat by reason of the severe weather of the early days of the week.

BARRED P. ROCKS.

One of the largest classes ever shown at Chicago, there being 120 specimens in the contest. In quality the classes were exceptionally good. In cockerels it was a close fight, and Judge Lambert found the placing of awards a very close matter so far as one, two and three were concerned. Here were cockerels that every Rock breeder present pronounced of rare merit. They were indeed marvels of beauty in color and form. In pullets the competition was of the very strongest character. The winner of first is a very near approach to a perfect gem. He was closely followed by several others. In cocks and hens there was abundance of quality, and the winners were specimens of great worth. There were birds in each class, while not winning, are worthy to stand in the front rank in any Barred Rock show.

BUFF PLYMOUTH ROCKS.

A showing of 121 Buff Rocks! That means there "is something doing." It was a strong showing and one which will do the Buff Rocks and their breeders a great deal of good. In every class there was quality along way down the line. The cockerel class was strong in its entirety. There were some wonderful productions shown in the pullets class. Hens and cocks were strong throughout.

WHITE P. ROCKS.

Forty-six White Rocks faced the judge. There was a number of birds of exceptional merit, chief among them being the first hen and first cockerel. An offer of \$100 was refused for this cockerel. Pullets and cocks were strong classes.

SILVER LACED WYANDOTTES.

It has become a settled fact that the Silver Laced Wyandotte exhibit at the Chicago show is the largest and best in America. This year there was no exception to the rule. Eighty-five silver beauties, many of them noted show birds of winning records and of great merit, were cooped here. It is but stating the truth when we say that the best S. L.

Wyandottes now shown in America as a whole were found here. The first cockerel was the winning cockerel at the World's Fair show. He is a magnificent bird as to color and shape. First and second cocks are the kind so much desired, but so seldom produced. In hens and pullets the judge found a problem in award making. Here were females of the correct color markings, being free from any brass and smut, and with the clear, pure white and black so much sought by all breeders of this variety. Many specimens of exceptional worth were, necessarily, outside the winning.

GOLDEN WYANDOTTES.

Another large class, there being 74 head cooped. Several of the most prominent breeders of the variety contested for the prizes. In each class the quality was of the best. Golden Wyandotte breeders have made a great deal of progress in color breeding during the past two years. They are, too, annually improving in shape of their birds, the game characteristics as to shape being nearly done away with.

WHITE WYANDOTTES.

Here, as they are in every show, the White Wyandottes were out in force, there being 117 head cooped. In each class the competition was very strong and the quality of the highest. A number of specimens changed hands at what would once have been called fabulous prices. It was a splendid showing of this very popular variety.

BUFF WYANDOTTES.

The largest class of Buff Wyandottes shown in Chicago for years, and of good quality throughout. It was conceded by all judges and breeders present who looked over the classes that the winning cockerel is the best Buff Wyandotte cockerel ever shown in America. He is buff of one even color from beak to feet. He is also of true Wyandotte shape. There were several other extra choice birds shown, among them being hens and pullets. The cock birds were very fine. It is such a showing of Buff Wyandottes as this that does the variety good.

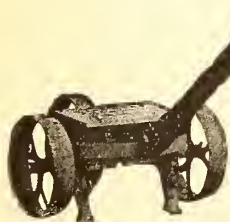
PARTRIDGE WYANDOTTES.

Fifty-eight Partridge Wyandottes made up one of the best displays of this variety ever cooped. In pullets were found some specimens which were marvels of beauty. In each of the classes birds of the highest type were plentiful, the plumage color in many cases being equal to that found on the best Partridge Cochins.

LIGHT BRAHMAS.

Some people have been saying that the Light Brahmas was "going out." Not so at the Chicago show. There were fifty-three in the classes, and among them some of the best ever shown in America. Nine Dark Brahmas were shown. It

Something
New



Strathmann's Poultry Yard Seeder

A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in 1 year. Its weight is 30 lbs., hgt 9 ins., width, 18 ins., sows two rows 10 ins. apart and cultivates your ground. Will do what all poultrymen and journals say. Keep your chickens scratching. For sale by all leading poultry supply houses. Send for circular. No gearing, no levers; nothing to get out of order. Any boy or girl can operate same.

Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.



To Distribute
Grain and Seeds
For Scratching
Fowls.

is unfortunate this beautiful and useful breed is not given better attention by fanciers and breeders.

THE COCHINS.

Forty-two Buff Cochins received the attention of all visitors. It was a strong class throughout. The winning hen is a wonderful specimen as to shape, and was the admiration of all Cochin lovers.

There was a small but beautiful showing of Partridge Cochins. A number of World's Fair winning specimens were shown.

White Cochins few in number, but of good quality.

THE LEGHORNS.

S. C. White, 65; S. C. Brown, 52; R. C. White, 44; R. C. Brown, 20; S. C. Buff, 20, and R. C. Buff, 3.

It was a strong showing of Leghorns, and several of the noted birds of the country were cooped. Messrs. Butterfield and Burgott, judges, informed us that the quality in all classes was very good.

THE MINORCAS.

In S. C. Black Minorcas there was a battle royal. The quality averaged high and some extra choice specimens were shown.

The fifty White Minorcas presented a very pretty sight and was the cause of a number of people becoming White Minorca fanciers. They were one of the most attractive classes in the exhibition. In all that goes to make up a Minorca they were more than good.

THE ORPINGTONS.

As usual, the Orpingtons were out in full force, the S. C. Buffs leading in numbers. The Buffs are becoming better every year in color and there were a number of solid buff birds. They seem to be on the gain in public favor and are among our most popular show birds. The showing of R. C. Buffs, Whites and Blacks was small, but the quality was good.

GAMES—VARIOUS.

There is not the showing in Standard games in the west that there used to be. Once upon a time Chicago was famous for its game entries, both in number and quality. The classes here were fairly well filled with several specimens of great worth.

Twenty-two Cornish Indians were cooped and among them were some of the best ever shown at Chicago.

OTHER BREEDS AND VARIETIES.

Where are the Black Langshan breed-

ers who used to come to Chicago in force? Just eleven of the stately black beauties graced the show pens. Seven Whites were thus near neighbors.

Only seven Houdans were shown.

There was a fair showing of S. C. R. I. Reds and about a like number of R. C. Reds. Many specimens were of the kind Red breeders are seeking.

Polish and Black Spanish were fairly well represented in numbers. Some of the best W. C. B. Polish ever shown in Chicago were among the lot.

Hamburgs were small in number but of good quality.

Columbian Wyandottes attracted no little attention. There is a boom ahead for this variety.

The Partridge Plymouth Rocks held a reception continually. They seem to have made a decided hit.

There were some magnificent Blue Andalusians shown—not as many as there should have been. It is a beautiful and useful breed.

NOTES OF THE SHOW.

A winner!

Now for the next Chicago show, January 24-29, 1906.

Mr. Fred L. Kimmey again proved conclusively that he can handle the details of a great show to the entire satisfaction of all exhibitors.

Superintendent of Poultry E. B. Eddy was upon the floor day and night seeing to it that all went well. And all did go well.

Superintendent of Pigeons, the genial K. J. Muir, was the right man in the right place. His work was of the very best.

Thomas Howard handled the dog department to the satisfaction of all concerned.

Prof. E. L. C. Morse, who has done more to advance the interest of Blue Andalusians than has any other breeder in America, showed a string of his winning strain. They are winners at Cleveland, Chicago and wherever shown.

The Black Javanese Bantams shown by Frank W. Radford were very fine specimens of this rare and beautiful variety.

U. J. Shanklin has become so used to winning with his Partridge Cochins that he is not surprised when he takes a big share of the good things offered. His stock is eagerly sought by Cochin breeders in every state in the Union.

Brent & Eddy showed some exceptionally good Cornish Indian pullets and cockerels. They have color markings down to a nicety and have been careful to secure correct shape.

When one hears of Buff Leghorns they first think of Geo. S. Barnes. Mr. Barnes has bred as many extra good Buff Leghorns as any man in America. His stock is always in the winning at New York, Chicago, etc. He has done good work for the variety and for any man who breeds them, as secretary of the National Buff Leghorn Club. There is no better or more careful breeder than Geo. S. Barnes.

Nate N. Cornwall did here what he usually does in Buff Leghorn alley—secure his full share of the winning ribbons. Mr. Cornwall has produced many of the winners at the leading shows for several years. He knows how to get the color and shape and to keep on getting it. He devotes all his time to the one variety.

C. H. Collins showed a cockerel and pullet in the Buff Leghorn contest that were beauties.

W. H. Wiebke has given his best efforts to the production of S. C. Brown Leghorns and has succeeded in giving to the fancier some of the best specimens of this variety ever produced. His string of Brown Beauties attracted all lovers of the Leghorn.

J. A. Leland's R. C. White Leghorns were most favorably received by all breeders interested in this now popular variety who had the pleasure of looking over the proud display made here. They are typical Leghorns.

The Studebaker Model Farm S. C. White Leghorns were out in full force.

A. B. Kaye made a big showing in S. C. Black Minorcas. The quality was there, also. The Kaye Minorcas are greatly admired by all lovers of this popular breed.

White Leghorn Poultry Yards filled several coops with their good S. C. White Leghorns. This firm tries conclusions with all the leading White Leghorn breeders in America and never fails to win their share of prizes.

A. Didriksen made a small entry in S. C. Black Minorcas. The quality was there, however, notwithstanding the small entry.

Dr. S. A. McWilliams is expected to do a great deal of winning wherever he

New Steel Roofing and Siding \$2.00 per 100 Sq. Ft.

Painted red on both sides. Most durable and economical covering for Roofing, Siding or Ceiling for Residences, Houses, Barns, Sheds, Elevators, Stores, Churches, Poultry Houses, Cribbs, etc. Easier to lay and will last longer than any other covering. Cheaper than shingles or slate. No experience necessary. A hammer or hatchet the only tools needed. It is semi-hardened high grade steel. \$2.00 is our price for the flat. Corrugated as shown in cut, or "V" crimped or standing seam costs \$2.10 per 100 square feet. We offer Pressed Brick Siding and Beaded Ceiling or Siding at \$2.25 per 100 Square Feet. Thousands of buildings throughout the world are covered with this steel roofing and siding, making their buildings

FIRE, WATER AND LIGHTNING PROOF.

Send in your order for as many squares as you may need to cover your new or old building. Time will prove its enduring qualities. Withstands the elements, best of all roofings. At prices noted in this advertisement.

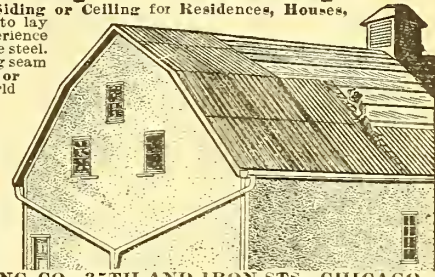
WE PAY THE FREIGHT

to all points East of Colorado, except Indian Territory, Oklahoma and Texas. Write for prices for shipment to such points. Ask for further particulars. Immediate shipment No. K-188 tells all about this roofing. It also quotes low prices on Building Material, Wire, Pipe, Plumbing, Wash, Doors, Furniture, Household Goods. Down spouting, Eave Trough and thousands of other items bought by us at Sheriff's and Receiver's Sales.

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If you mail us your order at once. Satisfaction guaranteed or money refunded. Our Special Catalogue No. K-188 tells all about this roofing. It also quotes low prices on Building Material, Wire, Pipe, Plumbing, Wash, Doors, Furniture, Household Goods. Down spouting, Eave Trough and thousands of other items bought by us at Sheriff's and Receiver's Sales.



THE ELGIN KING STRAIN OF SINGLE COMB WHITE LEGHORNS

Winners again at the Elgin Show, December, 1904. Won 1st cockerel, scored 95; 1st pullet, 95½; 1st hen, 95; 1st pen, 190 by Chas. McClave. Cockerels, pullets and yearling hens for sale. Eggs for hatching. Write for catalogue and mention A. P. J.

W. L. FERN

ELGIN KING POULTRY PLANT

Elgin, Illinois

enters the White Minorca contest, and he never disappoints his friends. He made a large display of his magnificent birds. It was one of the most attractive displays in the entire show.

F. C. Bailey showed a string of his winning R. C. White Orpingtons. He has no superior as a breeder of good Whites.

C. S. Byers cooped some of his S. C. Buff Orpingtons and did as he always does—showed good ones. He knows how to breed that kind.

W. R. Wooden had the sensational bird of the show—his first Buff Wyandotte cockerel. This bird is very close to perfect Wyandotte shape and in color is a marvel. He attracted a great deal of attention. Mr. Wooden also had some of the extra choice kind in the other Buff Wyandotte classes—of course. In Buff Rocks he had a number of the kind all the boys want.

S. D. Lapham made a large Buff Rock entry and among them some of the best Buff Rocks so far produced.

John J. Keig & Sons made a nice showing in Buff Rocks.

A few years ago the writer was in Mazon, Ill. A resident of the town, a business man, said: "Whatever Dr. Bennett does he does well." This is true of Dr. O. P. Bennett. When he was breeding Buff Rocks he bred them well—so well that he became the leader and went to the New York show and carried away about all the prizes offered. He has taken up Barred Rocks. He will breed them well. His first prize pullet was the center of attraction in Barred Rock alley. His winnings in this, one of the best Rock shows ever put forth in America, were: 1 pullet; 2 cock; 2 hen; 3 cockerel; 2 pen. Dr. Bennett's neighbor was right—what Dr. Bennett does he does well.

Barred Rock breeders and exhibitors except R. E. Haeger & Co. to show birds of rare good quality and to be winners. And they are never disappointed. The showing made by this firm in this very warm contest is a record any Rock breeder may be excused for envying. It is a great record. These gentlemen deserve it all, because they "had the goods." Their birds were the admiration of all breeders present. Note their winnings.

B. F. Weymer, of Exmoor Poultry

**For harness galls and sores
Pratts Vet. Healing Ointment.**

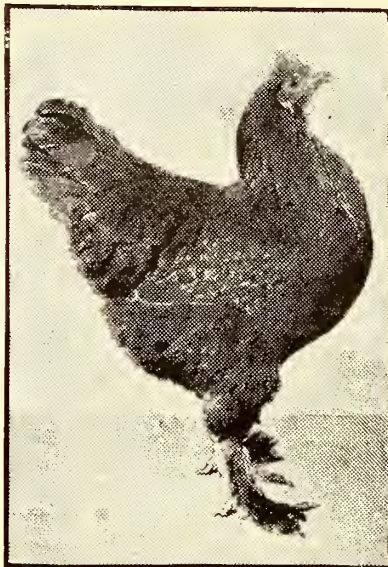
Made by Pratt Food Co., Phila. Over 30 years old.

Farms, has been coming to Chicago of late years and winning his share of prizes on Barred Rocks in the hottest kind of competition. He repeated his work again, and deserves all he got. He has a magnificent strain of Barred Rocks.

Chas. H. Ring entered five White Rocks and won four first prizes. How is that for a record? His winning hen is one of the best ever shown in America.

Dr. W. A. Crum put in three of his White Rocks just to keep the boys guessing.

Elmer B. McGaw showed a number of extra good S. C. R. I. Reds.



BLACK LANGSHAN

First prize hen at World's Fair. Bred and owned by J. E. Chilton, Dallas, Tex.

Ackley & Page were present with a number of their Buff Wyandottes. This means that all the other Buff Wyandotte exhibitors had a hard proposition to face. This firm were big winners at the World's Fair. They win always wherever they show. They have that kind of stock.

B. F. Hislop was well represented in the Golden Wyandotte section. He showed, as he always does, Golden's of the very highest order of merit.

R. E. Jones made a big winning in Silver Laced Wyandottes. His first cock and winning females are certainly the kind that breeders are striving so hard

to produce. In White and Golden Wyandottes he made large entries and won many prizes.

Ira C. Keller showed a number of his superb Golden Wyandottes. Keller's Golden's were winners at World's Fair and annually win in New York, Chicago and other leading shows.

Dr. C. M. Baskerville made a nice showing of a few of his good Partridge Wyandottes.

W. A. Doolittle had on show a large string of his noted Partridge Wyandottes. Mr. Doolittle stands well to the head among Partridge Wyandotte breeders. His strain wins annually in all the leading shows east and west. He won the majority of prizes at the World's Fair.

Dr. Gaskin & Co. entered two cockerels and won second cockerel. This strain has won at Indianapolis and Chicago.

Emma B. Poultry Farm made a good showing of White Wyandottes of extra good quality.

Clarence Ward helped to make the White Wyandotte class one of rare merit.

C. L. Duffield contributed a number of his extra choice Partridge Cochins to the magnificent display of this breed.

J. C. Stewart sent up a number of his winning Light Brahmas. Mr. Stewart has established a strain strong in wing and back and tail color. Last month his stock secured from 92 to 94½ in the show room at Monmouth, Ill.

Mrs. Fred L. Kimmey exhibited a number of her black beauties—African Bantams. She made a clean sweep in each class.

The Hon. Dave Nichols, Shelton, Conn., statesman, philanthropist, judge, fancier and gentleman, traveled the long distance to enjoy the delights of the Chicago show.

Talk about a man carrying a mountain of trouble and still being cheerful, pleasant and square on his pins all the time. Fred L. Kimmey is now president of a cat club!

INCUBATORS, APPLIANCES AND FOODS.

Manufacturers of incubators, foods, etc., appreciate the value of showing here, and as usual practically all space within the power of the management to let was occupied. The following was the line-up:

Cyphers Incubator Co. Model incubator, Axford Incubator, Cornell incubator, Humphrey bone mill and brooder, Ormas incubator, Geo. L. Harding's food supplies, J. W. Miller Co. Mathews' pest-proof coop.

The following journals were represented: Reliable, AMERICAN POULTRY JOURNAL, Successful, Poultry, Inland

ROYAL INCUBATOR

**GET
ONE
HATCH
FREE**

Before you buy an incubator send for our special 30 days free trial offer on the Royal. It's a machine built for service; hatches big percentages; gives no trouble; takes little oil.

We Give You One Hatch Free.

If you like the machine after trying it, keep it; if you don't, send it back. There are no strings to this offer. Will you try it?

Send To-Day

for special trial offer and incubator, poultry and poultry supply catalog **Free.** Good poultry paper one year 10 cents.

Royal Incubator Co., Drawer 80, Des Moines, Ia.



**30
DAYS
FREE
TRIAL**

Commercial Poultry, American Pigeon Keeper, and Poultry Keeper.

POULTRY EXHIBITORS.

Henry M. Ayars.....Mattawan, Mich.
Abbott & Duntun.....Reading, Mich.
Chester P. Aldrich...Battle Creek, Mich.
J. G. Armstrong
512 Woodward Ave., Detroit, Mich.
J. E. Armstrong.....
.....10638 Prospect Ave., Chicago
H. N. Anderson.....
.....257 Forest Ave., River Forest, Ill.
Theo. Ambrosius.....Collinsville, Ill.
Ackley & Page.....Woodstock, Ill.
H. F. Becker.....Box 464, Waterloo, Ont.
J. S. Boller.....Little Valley, N. Y.
Scott Billman.....Wooster, O.
Brooks, Hoffmann & Piepper.....
.....241 Abbott Road, Buffalo, N. Y.
W. H. Bushell.....David City, Neb.
Harry Betscher.....Canal Dover, O.
Ray Belsley
1405 N. Jefferson Ave., Peoria, Ill.
O. P. Bennett.....Mazon, Ill.
J. J. Brinkerhoff.....Minooka, Ill.
Brown Leghorn Egg Farm.....
.....Crown Point, Ind.
Harrison Bagley.....Mazon, Ill.
Chas. S. Berry.....Polo, Ill.
Geo. S. Barnes.....Battle Creek, Mich.
Brent & Eddy.....Oconomowoc, Wis.
Dr. C. M. Baskerville.....
.....Mt. Pleasant, Mich.
Joseph Belanger.....
.....9900 Indiana Ave., Chicago
E. E. Beck.....Hammond, Ind.
S. Bergshen.....Armour, Ind.
F. C. Bailey.....Reading, Mich.
Barnard Cummings.....
.....2724 Calumet Ave., Chicago
Dr. W. A. Crum.....Upper Sandusky, O.
H. C. Behrend.....Oconomowoc, Wis.
S. T. Campbell.....Mansfield, O.
Nate K. Cornwall.....
.....Thamesville, Ont., Canada
V. Crabtree.....Tiffin, O.
Frank M. Clarke.....
.....7406 Langley Ave., Chicago
Dr. H. P. Clarke.....Indianapolis, Ind.
C. W. Case.....Rochester, Mich.
Otto Claus.....632 Diversey Blvd., Chicago
Dennis Cihlar.....7150 Vernon Ave., Chicago
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Thos. Curry.....Anderson, Ind.
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John Dupee.....Oconomowoc, Wis.
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Dehm & Kubicek.....
.....7344 Champlain Ave., Chicago
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A. Didrickson.....Whitewater, Wis.
C. S. Byers.....Hazelrigge, Ind.
O. E. Brooks.....Edison Park, Ill.
R. G. Bielefeld.....Crown Point, Ind.
Wm. Berberich.....Elgin, Ill.
Prof. John Evans & Son.....
.....Meshanticut Park, R. I.
Chas. Esslinger.....Crown Point, Ind.
Mrs. I. Evans.....6403 Troy Ave., Chicago
Jno. W. Ellis.....Forrest, Ill.
James J. Elliott.....Onawa, Ia.
Emma B. Poultry Farm.....Gurnee

Wm. Erfurth.....So. Chicago, Ill.
Wm. J. Fox.....Carbon Black, Pa.
Fred Fusman.....Crown Point, Ind.
W. E. Fowler.....R. F. D. 2, Rochelle, Ill.
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 London, O.; Thos. F. Rigg, Iowa Falls,
 Iowa; E. W. Rankin, St. Paul, Minn.;
 Frank Heck, Chicago, Ill.; Geo. H. Bur-
 gott, Lawton Station, N. Y.; D. J. Lam-
 bert, Apponaug, R. I.; S. B. Johnston,
 Fairland, Ind.; Henry Trafford, Spring-
 field, Ohio; Samuel Cushman, Pawtucket,
 R. I.; Ross C. H. Hallock, St. Louis,
 Mo.; T. C. Morgaridge, Como, Ill.; U.
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 lop, Milford, Ill.; Oscar Herbsler, Otta-
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 cockerel, 3d pen, five specials.
 Indianapolis, February, 1903, 1st cock, 1st cockerel, 1st,
 2d hen, 1st, 2d pullet, 1st pen, Gazette and two other
 specials.
 Chicago, December, 1903, 1st cock, 1st, 3d, 4th hen, 1st
 pen, \$25 cup display.
 Chicago, December, 1904, 1st, 2d, 3d, 4th cock; 1st, 2d,
 3d, 4th, 5th hen; 1st, 2d, 3d cockerel; 1st, 2d, 4th pullet,
 1st pen; cup for display and all specials.

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1st Cock, Chicago, Dec. '03

James Glasgow, Mahwah, N. J.; H. D. Kirkover, Buffalo, N. Y.; Robt. Joos, Peoria, Ill.; C. E. Twombly, Boston, Mass.; L. A. Jansen, Milwaukee, Wis.; H. Tieman, Baltimore, Md.; R. F. Whitmer, Philadelphia, Pa.; L. P. Higgins, Chicago; Geo. H. Whitney, Chicago; Henry I. Cary, Chicago; J. W. Burton, Chicago; Edw. Burke, Chicago; T. A. Howard, Chicago.

List of Awards.

BARRED PLYMOUTH ROCKS. F. H. Stanwood, 4th, 5th Pullet. Daniel Christian & Son, 4th Cock, 5th Cockerel. 4th Pen. E. F. Pierce, 4th Cockerel. B. F. Weymer, 3rd Cock, 1st Hen, 2nd Cockerel. 3rd Pullet, 3rd Pen. Edgar G. Simpson, 3rd Hen, 5th Pen. O. P. Bennett, 2nd Cock, 2nd Hen, 3rd Cockerel, 1st Pullet, 2nd Pen. R. E. Haeger & Co., 1st, 4th, 5th Cock, 5th Hen, 1st Cockerel, 2nd Pullet, 1st Pen.

WHITE PLYMOUTH ROCKS. E. A. Holsworth, 3rd Cock, 5th Cockerel. G. E. Read, 2nd, 4th Hen, 3rd Cockerel. Fred Furman, 2nd Cockerel, 4th Pullet. Ames L. Orr, 1st Cockerel. Charles H. Ring, 1st Cock, 1st, 5th Hen, 1st, 3rd Pullet, 1st Pen. W. A. Greene, 2nd Cock. Oscar E. Brooks, 4th Cockerel, 2nd Pullet, 2nd Pen, 4th Cock.

BUFF PLYMOUTH ROCKS. Robert Larmer, 5th Cock, 3rd Hen, 2nd Pullet. S. Bergslien, 3rd Cock, 1st Hen, 4th Pullet, 2nd Pen.

BUFF PLYMOUTH ROCKS. Abbott & Dunton, 1st Cockerel. S. D. Lapham, 1st Cock, 5th Hen, 3rd, 5th Cockerel, 1st Pullet, 1st Pen. John Dupee, 4th Hen.

BUFF PLYMOUTH ROCKS. W. E. Russell, 2nd Cock, 2nd Hen, 5th Pullet, 3rd Pen. Den Le Gore, 4th Cockerel. W. H. Mercer, 1st Pen. James J. Elliott, 2nd Cockerel. Harry McDonald, 2nd Pen. Success Poultry Yards, 4th Cock, 5th Pen. Simon Lynch & Son, 3rd Pullet, 4th Pen.

PARTRIDGE PLYMOUTH ROCKS. J. Frank Randall, 1st Cock, 1st Pullet.

SILVER PENCILED ROCKS. W. R. Hinz, Hen 1.

PARTRIDGE ROCKS. Chester P. Aldrich, Hen 1, Cockerel 1-2. W. R. Hinz, Pullet 1.

WHITE WYANDOTTE. H. P. Wightman, Hen 3. J. G. Hickox, Cock 4, Pullet 5, Pen 5. Emma B. Poultry Farm, Cockerel 2-4, Pullets 2, Pen 2. Mrs. M. Hall, Cock 3. B. S. Hume, Cockerel 5, Pen 3. Theo. Ambrosius, Cock 2, Hen 1-5, Cockerel 1-3, Pullet 1-4. Otto O. Wild, Hen 2-4, Pen 4. A. J. Smith, Pullet 3. Clarence Ward, Cock 1, Pen 1.

SILVER WYANDOTTE. Calvin Ott, Pullet 2. W. H. Millard, Cock 2-3, Hen 1-5, Cockerels 1-2, Pullets 1-3, Pens 1-3. William J. Fox, Cock 5, Cockerel 5, M. H. Randall, Pullet 5. John A. Shaw, Cock 5, Cockerel 4. R. E. Jones, Cocks 1-4, Hens 2-3-4, Cockerels 3, Pullets 4, Pen 2-4-5.

SILVER PENCILED WYANDOTTES. S. J. Sorenson, Cockerels 4, Pullets 2. W. R. Hinz, Cock 1, Hen 1-3, J. E. Armstrong, Hens 2-4, Cockerel 1, Pullet 1-3, Pen 1.

PARTRIDGE WYANDOTTE. Dr. C. M. Baskerville, Cock 2, Hen 4, Cockerel 3, Pullet 2. W. R. Hinz, Hen 5, Pullet 4, Pen 3. W. A. Doolittle, Cock 1-3-5, Hens 1-2-3, Cockerels 5, Pullets 1-5, Pen 1. W. M. Green, Cockerels 1-4, Dr. Gaskin & Co., Cockerel 2. D. L. Lovejoy, Cock 4, Pullet 3. M. F. Stellwagen & Son, Pen 2.

GOLDEN WYANDOTTES. George T. Huson, Cocks 1. William J. Fox, Cocks 5. B. F. Hislop, Cocks 3, Hens 4, Cockerels 1-2-5, Pullets 2, Pens 2. A. W. Davis, Cocks 2-4, Hens 1, Pullets 1-3, Pens 1. Clive H. Owen, Cockerel 4. Jeston Whitesel, Hen 3, Pullet 4. R. E. Jones, Hen 2, Cockerel 3, Pullet 5, Pen 3. Ira C. Keller, Cock 3, Hen 5, Pen 4.

BUFF WYANDOTTES. A. Wilson, Pullet 2. D. D. Haines, Cock 4, Hen 3. Dr. G. H. Wheeler, Cockerel 5, Pullet 4, Pen 4. Frank A. Shonk, Pullet 5. Waterman & Son, Cockerel 2, Pen 2. E. W. Morene, Hen 2-4, Pen 5. W. R. Woden, Cock 2, Cockerel 1, Pen 2. Ackley & Page, Cock 1-5, Cockerel 3-4, Pullet 1, Pen 1. Success Poultry Yards, Cocks 3, Hens 5, Pullet 3.

COLUMBIAN WYANDOTTES. John Evans & Son, Cockerel 2, Pullets 2. Clive H. Owen, Cocks 1, Hens 2, Cockerels 1, Pullet 3. William B. Richardson, Cocks 2-3, Hens 1-3, Cockerels 3-4, Pullets 1-4.

BLACK WYANDOTTES. Frank C. Sites, Cock 1, Hen 1-2-3, Cockerel 1-3, Pullet 1, Pen 1. W. R. Hinz, Cockerel 2, Pullet 2.

SILVER SPANGLED WYANDOTTE. J. E. Armstrong, Cockerel 1.

DARK BRAHMAS. Warren Rothgeb, Cock, 1st, Hen, 2nd, 3rd; Cockerel, 1st; Pullet, 2nd, 4th; Pen, 1st; William Berberich, Hen, 1st; Pullet, 1st, 3rd.

LIGHT BRAHMAS. C. H. Collins, Cockerel, 4th, 5th; Pullet, 4th; David P. Ward, Cockerel, 2nd, 5th; George A. Tossy, Cock, 3rd, 4th, 5th; Pullet, 1st, 2nd; Pen, 1st; C. L. Duffield, Cock, 1st; Hen, 2nd, 4th; Pen, 2nd; Simon Lynch & Son, Cockerel, 2nd; Hen, 5th; Cockerel, 1st; Pullet, 3rd, 5th; Pen, 3rd; Dr. Brinkerhoff, Hen, 3rd; Pen, 4th.

BUFF COCHINS. Henry J. Jenner, Cockerel, 3rd; Pen, 4th, 5th; Hugh Wyatt, Cock, 4th; Hen, 4th; Cockerel, 1st, 4th, 5th; Pullet, 2nd, 3rd, 5th; Pen, 2nd; Thos. Curry, Cock, 3rd; Hen, 1st, 2nd, 5th; Pen, 3rd; F. A. Hetner, Cock, 1st; Hen, 3rd; Cockerel, 2nd; Pullet, 1st, 4th; Pen, 1st; C. L. Diefeld, Cock, 2nd; C. W. Case, Cock, 5th.

PARTRIDGE COCHINS. James A. Maxwell, Cock, 4th; Hen, 5th; U. J. Shanklin, Cock, 1st, 2nd, 3rd; Hen, 1st, 2nd, 4th; Cockerel, 1st, 2nd, 3rd; Pullet, 1st, 2nd, 3rd; C. L. Diefeld, Cock, 5th; Hen, 3rd; Pullet, 4th, 5th.

WHITE COCHINS. Warren Rothgeb, Cock, 1st; Hen, 3rd; Pullet, 2nd, 4th; Pen, 1st, F. A. Prager, Pullet, 1st; W. O. Swain, Hen, 1st; Cockerel, 1st, 2nd; Pullet, 3rd.

WHITE LANGSHANS. Rees F. Matson, Cock 1, Hen 1-2-3, Cockerel 1, Pullet 1-2.

BLACK LANGSHANS. W. F. Michaels, Pullet 1-2. Daniel Thomas, Hen 2-4. E. W. Colton, Cockerel 1. Margaret C. Daly, Hen 1, Cockerel 2, Pullet 3. Windsor Park Poultry Yards, Cock 1, Hen 3.

S. C. BUFF LEGHORNS. C. H. Collins, Pullet 5. George S. Barnes, Hen 1-4, Cockerel 3. Frank M. Clark, Hen 3-5, Cockerel 5. Nate K. Cornwall, Cock 1-3-4-5, Hen 2, Cockerel 1-2-4, Pullet 1-3-4. L. Pendroy, Pullet 2.

R. C. BROWN LEGHORNS. F. A. Lord, Cock 1, Cockerel 2-3. Dr. F. M. Reed, Hen 1, Cockerel 1, Pullet 3. John Dupee, Cock 2, Cockerel 4-5-5, Pullet 1-2-4. Windsor Park Poultry Yards, Hen 2. J. E. Lauterbach, Hen 1-2. Fred Motte, Cock 4, Cockerel 4-5, Pullet 3-4-5. Mrs. M. E. Ratliff, Cock 3. H. F. Becker, Cockerel 1. Ray Belsley, Cock 1-5, Hen 4, Pullet 2. W. H. Wiebek, Cockerel 2-3. Scott Billman, Hen 3-5.

R. C. WHITE LEGHORNS. W. W. Wood, Pullet 1. Fred Miller, Cockerel 5. E. L. Kappleman, Cock 2. Charles H. Rose, Cock 5. Rocky River Poultry Company, Cock 1-2-4, Hen 1-2-4-5, Pullet 4-5, Pens 1-2.

S. C. WHITE LEGHORNS. J. E. Lauterbach, 4th Cock. Studebaker Model Poultry Farm, 5th Cockerel, 1st Pullet, 5th Pullet, 3rd Pen. H. M. Morse, 2nd, 3rd Cock, 1st, 3rd Hen, 2nd Cockerel, 2nd Pullet, 2nd Pen. Edward Siegfrosser, 4th Pen. Dr. W. A. Gibson, 4th Hen, 3rd Cockerel, 3rd Pullet. Hainsworth & Rawsley, 4th Pullet. White Leghorn Poultry Yards, 1st, 5th, Cock, 2nd, 5th Hen, 1st, 4th Cockerel, 1st Pen.

BLACK MINORCAS. A. B. Kaye, 4th Cock, 2nd Hen, 2nd, 5th Cockerel, 1st, 2nd, 4th, 5th Pullet, 2nd Pen. J. G. Armstrong, 4th Hen, 5th Cockerel. Charles Esslinger, 1st Hen. Charles G. Pape, 1st Cock, 3rd Hen, 1st Cockerel, 3rd Pullet, 1st Pen. Luny Reynolds, 3rd Cock. Rose Lodge Poultry Yards, 2nd Cock, 3rd Pen. A. Didriksen, 5th Hen, 3rd Cockerel.

R. C. BLACK MINORCAS. S. T. Campbell, 1st, 4th Cock, 1st, 3rd Hen, 1st, 2nd, 3rd Cockerel, 2nd, 4th, 5th Pullet, 1st, 3rd Pen. E. R. Sherman, 2nd Hen, 5th Cockerel. A. Didriksen, 2nd, 3rd Cock; 4th, 5th Hen; 4th Cockerel, 1st, 4th Pullet, 2nd Pen. **WHITE MINORCAS.** Henry Dunne, 5th Pen. Harry C. Meiselbach, 4th Cockerel, 2nd Pullet, 4th Pen. S. A. McWilliams, 1st, 4th Cock, 2nd, 3rd, 4th, 5th Hen, 1st, 2nd, 3rd, 5th Cockerel; 1st, 3rd, 4th, 5th Pullet, 1st, 2nd, 3rd Pen.

R. C. WHITE ORPINGTONS. F. C. Bailey, 1st Cock, 1st Hen, 1st, 2nd, 3rd, 4th Pullet, 1st Pen.

R. C. BUFF ORPINGTONS. Harry Bettscher, 1st, 2nd Hen, 1st Cockerel, 1st, 2nd Pullet.

S. C. BUFF ORPINGTONS. W. H. Bushnell, 3rd Cock, 1st Hen, 2nd, 3rd Cockerel, 4th Pullet, 1st Pen. F. C. Bailey, 1st Cock, 1st Cockerel, 5th Pullet, J. R. Keath, 5th Cockerel, 2nd, 3rd Pullet, Frank C. Sites, 2nd Hen, C. S. Byers, 2nd Cock, 4th Cockerel, 1st Pullet.

BLACK ORPINGTONS. Theo. Ambrosius, 1st, 2nd Cockerel, 1st, 2nd Pullet, C. S. Byers, 3rd, 4th Cockerel, 3rd, 4th Pullet.

WHITE ORPINGTONS. C. S. Byers, 1st Pullet.

GOLDEN PENCILED HAMBURG. D. Van Reenen, Cock 1, Hen 1-2, Cockerel 1, Pullet 1-2.

GOLDEN SPANGLED HAMBURG. Paul Meeske, Hen 1-2.

SILVER SPANGLED HAMBURG. Frank Kuechenmeister, Cockerel 2. J. E. McClain, Hen 4, Cockerel 1, Pullet 1-2. J. E. Armstrong, Hen 2-3, Cockerel 3, Pullet 3. A.



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WYANDOTTE BRAND

Poultry Food brings more eggs and fertile ones. 25c and 50c per pkg., \$3 per pail. Wyandotte Chick Feed \$2.50 per 100 lbs.

Model Incubators
made by Chas. A. Cyphers.

Order of us and save freight. Poultry supply catalogue free.

PIKE & Co.

Minneapolis Minn.
Mention A. P. J.

32 YEARS SELLING DIRECT

We are the largest manufacturers of vehicles and harness in the world selling to consumers exclusively.

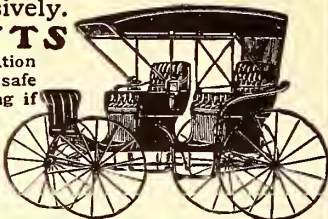
WE HAVE NO AGENTS

but ship anywhere for examination and approval, guaranteeing safe delivery. You are out nothing if not satisfied as to style, quality and price. We make 200 styles of vehicles and 65 styles of harness.

No. 719. Bike Gear Driving Wagon with 7/8 inch rubber tires. Price complete \$56. As good as sells for \$30 more.

Our large Catalogue is FREE. Send for it. No. 326. Extension Top Surrey. Price complete \$78. As good as sells for \$25 more.

Elkhart Carriage & Harness Mfg. Co., Elkhart, Indiana.



P. Thorns, Hen 1, Pullet 4. Windsor Park Poultry Yards, Cock 1, Hen 5.

HOUDANS. Otto Claus, Hen 1. Fred Crai, Hen 2, Cockerel 3, Pullet 1.

R. C. BUFF LEGHORNS. Harry McDonald, Cockerel 1-2.

R. C. RHODE ISLAND REDS. E. E. Beck, 1st, 2nd Cock, 4th Hen, 2nd, 5th Cockerel, 3rd Pullet, 2nd Pen. L. L. Conn, 3rd Hen, 1st Cockerel, 2nd Pullet. Gabriel Bros., 1st Hen, 4th Cockerel, 1st, 4th, 5th Pullet, 1st Pen. William B. Richardson, 3rd Cock, 2nd Hen, 3rd Cockerel.

S. C. RHODE ISLAND REDS. Elmer B. McGaw, 2nd Hen, 4th, 5th Pullet. F. M. Malone, 1st, 2nd Pullet. William B. Richardson, 1st Cock, 1st Hen, 1st Cockerel, 3rd Pullet.

BLUE ANDALUSIANS. Ray Poultry Yards, Cock, 1st; Hen 3rd, 4th; Pullet, 4th, 5th; E. L. C. Morse, Cock, 2nd; Hen, 1st, 2nd; Cockerel, 1st, 2nd; Pullet, 1st, 2nd, 3rd.

ANCONAS. Henry Scheyer, Hen, 1st; Cockerel, 1st; Pullet, 1st.

WHITE CRESTED BLACK POLISH. Will J. Kelly, 1st Cock, 1st Hen, 1st Cockerel, 1st, 2nd Pullet.

B. B. RED GAME. W. H. Thompson, Cock 1-3, Hen 1-2, Cockerel 1-3, Pullet 1-2. Brooks, Hoffman & Piepper, Cocks 2-4, Hens 3-4, Pullet 3. H. D. Schrieter, Cock 5, Hen 5, Cockerel 2-5, Pullet 4-5, Pen 1.

BROWN RED GAME. W. H. Thompson, Cock 1, Hen 1, Pullet 1-2.

GOLDEN DUCKWING GAME. W. H. Thompson, Hen 1, Pullet 1.

SILVER DUCKWING GAME. W. H. Thompson, Cock 1-2, Hen 1-2, Cockerel 1-3, Pullet 1-2. Brooks, Hoffman & Piepper, Cockerel 2.

RED PYLE GAME. W. H. Thompson, Cock 1, Hen 1, Cockerel 2, Pullet 1. Brooks, Hoffman & Piepper, Cockerel 1, Pullet 2.

GAME PIT. Edmund Robinson, Cock 1. E. H. Macey, Cock 3-4-5, Cockerel 3-4. Henry N. Ayers, Cock 2, Cockerel 1-2. Dr. H. P. Clarke, Hen 1.

GAME, CORNISH INDIAN. Brent & Eddy, Cockerel 3-5, Pullet 2. Rev. H. A. Huey, Cock 2, Hen 1, Cockerel 2-4, Pullet 3. William Sayer, Jr., Cock 1, Hen 3, Pullet 1-4, Pen 1. Barnard Cummings, Cockerel 1, Pullet 5.

BIRCHEN GAME. W. H. Thompson, Cock, 1st.

BLACK COCHIN BANTAMS. K. J. Muir, Cock, 1st; Hen, 3rd, 5th, tie 2nd; F. A. Prager, Cock, 2nd; Hen, 1st, tie 2nd; Pullet, 1st, 3rd, 4th; Pen, 1st.

BUFF COCHIN BANTAMS. Dehr & Kubick, Hen, 5th; Cockerel, 3rd, 4th, 5th; Pullet, 4th, 5th; W. W. Zike, Cockerel, 1st; Pullet 1st; Albert Heitmann, Hen, 2nd, 3rd, 4th; Dr. O. P. Bennett, Cock, 1st; Hen, 1st; Cockerel, 2nd; Pullet, 2nd, 3rd; Pen, 1st.

WHITE COCHIN BANTAMS. Frank A. Shunk, Hen, 1st; Cockerel, 1st.

BIRCHEN BANTAMS. C. A. & F. Y. Parfrey, Cock, 1st; Cockerel, 2nd; Pullet, 2nd; Frank C. Sites, Hen, 1st; Cockerel, 1st; Pullet, 1st.

B. B. RED GAME BANTAMS. C. A. & F. Y. Parfrey, Cock, 3rd; Cockerel, 4th; Pullet, 2nd; Don C. Doolittle, Cock, 4th; Hen, 2nd, 3rd; Pullet, 1st; Brook, Hoffman & Piepper, Cock, 2nd; R. R. Voris, Cock, 1st; Hen, 1st; Cockerel, 1st; Pullet, 3rd; John Watkin, Cockerel, 2nd; Windsor Park Poultry Yards, Cockerel, 5th.

BROWN AND RED GAME BANTAMS. C. A. & F. Y. Parfrey, Pullet, 1st; R. R. Voris, Hen, 1st.

S. DUCKWING GAME BANTAMS. C. A. & F. Y. Parfrey, Pullet, 2nd; Ray Schoonhoven, Cock, 2nd; Hen, 2nd, 3rd; Pullet, 3rd, 4th; Brook, Hoffman & Piepper, cockerel, 1st; R. R. Voris, Cock, 1st; Pullet, 1st.

RED PYLE GAME BANTAMS. C. A. & F. Y. Parfrey, Cock, 2nd, 3rd; Hen, 3rd; Frank C. Sites, Pullet, 2nd; Brook, Hoffman & Piepper, Cockerel, 3rd; R. R. Voris, Cock, 1st; Hen, 1st, 2nd; cockerel, 1st, 2nd, 4th; Pullet, 1st, 3rd.

JAPANESE BLACK BANTAMS. Frank W. Radford, Cock, 1st; Hen, 1st, 2nd; Cockerel, 1st, 2nd; Pullet, 1st, 2nd.

JAPANESE BLACK TAILED BANTAMS. Frank W. Radford, Cock, 1st; Hen, 2nd, 4th, 1st, 3rd; Cockerel, 1st; Pullet, 1st, 2nd.

GOLDEN JAPANESE BANTAMS. Frank W. Radford, Cockerel, 1st; Pullet, 1st.

SILVER JAPANESE BANTAMS. Frank W. Radford, Cock, 1st, 2nd; Hen, 1st, 2nd.

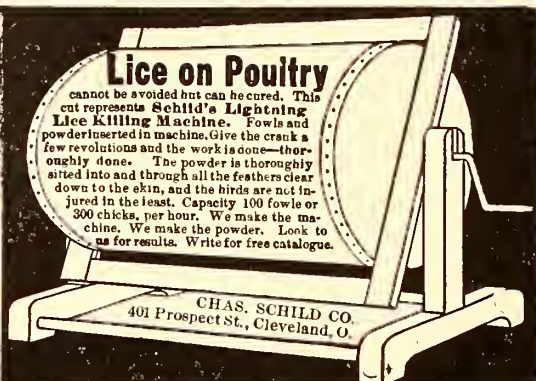
WHITE JAPANESE BANTAMS. Frank W. Radford, Cock, 1st; Hen, 1st, 2nd; Pullet, 1st, 2nd.

The whole brood was improved
Pratts Powdered Lice Killer.

Made by Pratt Food Co., Phila. Over 30 years old.



Our poultry bit prevents birds from plucking out their feathers. Easily attached, cheap, does the work. In no way interferes with feeding. Write for particulars.



Lice on Poultry
cannot be avoided but can be cured. This cut represents Schild's Lightning Lice Killing Machine. Fowls and powder inserted in machine. Give the crank a few revolutions and the work is done—thoroughly done. The powder is thoroughly sifted into and through all the feathers clear down to the skin, and the birds are not injured in the least. Capacity 100 fowls or 300 chicks, per hour. We make the machine. We make the powder. Look to us for results. Write for free catalogue.

CHAS. SCHILD CO.
401 Prospect St., Cleveland, O.

MICA-CRYSTAL.

STANDARD POULTRY CRIT OF AMERICA.

THE PERFECTION SHELL MAKER AND GOLDEN YOLK PRODUCER.

White Quartz, 58 p. ct. Aluminum, 20 p. ct. Iron, 12 p. ct. Magnesium, 10 p. ct. DIGESTER. SHELL MAKER. YOLK MAKER. SHELL MAKER.

For Sale by DARLING & CO., Wholesale Dealers in Chicago, Ill.

PRATTS CORRESPONDENCE SCHOOL OF POULTRY KEEPING

Every Poultry owner in the United States should read this advertisement thoroughly. It means many extra dollars in their pockets. The old established Pratt Food Company, of Philadelphia, make this unheard-of offer of

A Complete Course by Mail

In Practical and Profitable Poultry Keeping for the small sum of \$2.00 and a Coupon taken from a package of any of Pratt Food Company's famous Foods and Remedies. Remember \$2.00 covers the expense for the full course of three months, the lectures being mailed each week. We offer

A \$35.00 Course for \$2.00

and cover every phase of Poultry Keeping—location, profitable markets, selection of breeds, plans of poultry houses, how to feed for eggs, prevention and cure of diseases; in fact, everything necessary to know to insure absolute success in raising of poultry for profit.

How to Obtain a Coupon

We place in every package of Pratts Foods and Veterinary Remedies a Coupon for Pratts Correspondence School of Poultry Keeping. Our goods are sold by dealers everywhere. If you cannot secure a package from your dealer, write us. Should you not find a coupon, mail us the large envelope in the package containing our direction circular along with \$2.00, and you will at once be enrolled as a pupil and the first Correspondence Lecture promptly mailed you. It will pay you to see your dealer about this at once.

PRATT FOOD COMPANY, 156 WALNUT STREET
PHILADELPHIA

WHITE CRESTED POLISH BANTAMS. Carl H. Kripping, Hen, 1st; Cockerel, 1st; Pullet, 1st.

R. C. BLACK BANTAMS. Mrs. A. J. Kimmy, Cock, 1st, 2nd, 3rd; Hen, 1st, 2nd, 3rd.

GOLDEN SEBRIGHT BANTAMS. F. A. Harrison, Hen, 1st; Albert Heitmann, Cock, 1st; Hen, 2nd, 4th; Windsor Park Poultry Yards, Hen, 3rd.

SILKIES. Frank W. Radford, Cock 1. Hen 1, Pullet 1-2.

BLACK SPANISH. R. G. Bielefeld, Hen 1-2, Cockerel 1.

WILD DUCKS. Frank J. Hicks, Cockerel 1, Pullet 1.

WHITE PEKIN DUCKS. Theo. Ambrosius, Cocks 1-2, Hens 1-2, Cockerels 1-2, Pullets 1-2, Frank C. Sites, Cockerel 3, Pullet 3, Mrs. N. E. Nibble, Cockerels 4.

BRONZE TURKEYS. Warren Rothgeb, Cocks 1, Hens 1-4, Cockerels 1-4, Pullets 1-3, Mrs. William Rogers, Cocks 4, Cockerels 5, Mrs. Charles Jones, Cock 1, Hen 3, Pullet 4.

GUINEA FOWLS. Frank J. Hicks, Cocks 1, Hens 1.

WHITE TURKEYS. Frank J. Hicks, Cock 1, Hen 1, Cockerel 1, Pullet 1.

Burr incubators and brooders are more popular this year than ever before for the simple reason that they have given universal satisfaction. People who use them are loud in their praise of the wonderful results accomplished. The company has thousands of letters from satisfied customers telling of the good luck they had with chickens hatched and raised in Burr incubators and brooders. One of the chief reasons for Burr machines giving such general satisfaction is their wonderful simplicity. It is so easy to operate them that even the beginner succeeds. Only experts can operate machines with complicated devices, but in the Burr everything has been simplified with the idea of producing an incubator and brooder that the busy farmer's wife can operate with success. Burr incubators and brooders are all sold on the thirty day trial plan. That is, a customer takes the machines and runs them for thirty days and if at the end of that time they are unsatisfactory they can be returned, when the money will be refunded. Anyone thinking of purchasing an incubator or brooder this season should write at once to the Burr Incubator Co., Omaha, Neb., for their free illustrated catalog, which tells all about the construction and operation of these exceedingly popular machines.

E. E. Pifer, Palestine, Ill., proprietor of the Glen Dale Farm, reports the following winnings on his birds at the Palestine show Jan. 11-14, 1905: Brahmas, 1st, 2d, 3d cockerel; 1st, 2d pullet; 1st cock; 1st, 2d hen; 1st pen. White Holland Turkeys, 1st, 2d, 3d, 4th cockerels; 1st, 2d, 3d pullets. He has some fine turkeys for sale, also a few Brahmas and Guineas left.

Kills chicken lice and mites Pratts Liquid Lice Killer.

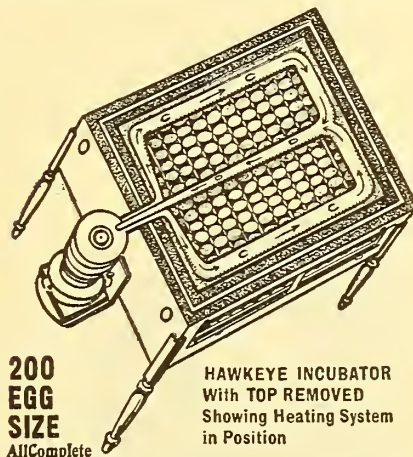
Made by Pratt Food Co., Phila. Over 30 years old.

HAWKEYE SPECIAL INCUBATORS.

In a preceding issue of this paper the announcement was made of a new machine recently added to the well known line of incubators and brooders manufactured by the Hawkeye Incubator Co., Newton, Iowa, known as the Hawkeye Special Incubator. A great deal of interest has been aroused among poultry raisers on account of the new principles of incubator construction embodied in this Hawkeye special.

This is owing to the increased efficiency of the new machine. In response to numerous inquiries we publish for the first time an interior view of this incubator, showing clearly of what these improvements consist.

The illustration herewith shows the Hawkeye Special Incubator with the top removed and the copper pipe heating system in position. This machine, as well as the complete line manufactured by the Hawkeye Company, is heated by hot water on an



entirely different principle from any other machine, and the pipes and heating boiler are constructed throughout of heavy cold rolled copper, making a heating system which will last for twenty years. By following the arrows in the illustration it will be noticed that the circulation of water from the heating boiler is both front and back near the side walls of the case. This is a very different thing from a pipe encircling the egg chamber, as the water is bound to be cooler on its return to the boiler. In the Hawkeye Patented Heating System this condition has been solved so that now an absolutely even temperature over every egg is assured. Pipes "C," direct from the heating boiler, carry the water to the extreme lamp end of machine, where it is retarded through the reduced return pipe indicated as "D." This plan of retarding the water opposite the lamp

offsets the heat lost by the water in traveling to this point, thus giving the same heat near all four walls. The return pipe "D" carrying the water across the center of the egg chamber is of sufficient size to keep the boiler supplied with cold water.

Here is an improvement used on the Hawkeye—the heating boiler, which is built throughout of heavy 12-oz. sheet copper, the same as the pipes of the egg chamber. This makes a heating system that will do twenty years' good service. The construction of this boiler utilizes all the heat created by the lamp without any back pressure on the burner or oil fount, which is the cause, many times, of smoky lamps. Careful tests of this heating system have been found to mean a saving of 50 per cent of the oil ordinarily used while operating through a hatch. Such great confidence have the Hawkeye Company in this Special Incubator that they send it anywhere on thirty days' approval, giving every purchaser a chance to take off a trial hatch. They have a new Quick Delivery Plan which is proving very popular.

The business methods of this company in the past have been open and above board. They manufacture nothing but the highest grade of machines and we predict an ever increasing demand for their goods among those seeking the best.

The catalogue of Hawkeye Incubators and Brooders, recently received from the printers, gives full particulars regarding their special advertising and profit-sharing offer and may be had free on request. This book is well worth having, as it contains invaluable advice to every poultry raiser. Address: Hawkeye Incubator Co., Box 2, Newton, Iowa.

Mrs. U. R. Fishel of Hope, Ind., is certainly having great success in the raising of Bronze Turkeys. She sent eighteen turkeys to Madison Square and won eighteen prizes Jan. 17, 1905, as follows: Two 1sts, five 2ds, six 3ds, five 4ths. At the St. Louis Show she won three 1sts, two 2ds, one 3d, two 4ths, two 5ths, two 6ths, two 7ths and silver cup for best display. What better proofs does one want as to the quality of Mrs. Fishel's turkeys? She has mated up twelve different flocks, each one headed by a prize winning Tom, six World's Fair winners and six New York winners, all hens being of the very best, among which are over thirty prize winners.

W. R. Curtiss & Co., proprietors of Niagara Farm, Ransomville, N. Y., have an important announcement in this issue. They breed White Wyandottes, S. C. W. Leghorns and Mammoth Pekin Ducks. They have stock for sale and can supply eggs after April 1. They can supply readers of the AMERICAN POULTRY JOURNAL with males or females in large or small lots at low prices. Their stock is bred for business, but they win at such shows as St. Louis, Madison Square, Chicago, etc. In addition to this they are headquarters for Cut Clover and Poultry Supplies. As an idea of the magnitude of their business we will state that they have 2,500 breeders for sale.



Eggs For Hatching

FROM PRIZE WINNING

SINGLE
COMB

WHITE LEGHORNS

Exhibited at Madison Square Poultry Show, New York City.

A GAIN we were prize winners at the 1905 Poultry show in New York. At the Coliseum, Chicago Poultry Show, we were successful, winning the following prizes: 1st and 5th cock, 1st and 4th chl., 2d and 5th hen. All of our prize winners were from our own stock. We shall have eggs for hatching for sale from these prize winning matings. If you wish to breed prize winning stock, write us at once, and get prices of eggs for hatching from these special pens.

Eggs for hatching from special mated pens of heavy egg producing strain, \$2 per 15, \$5 per 45; \$8 per 100, \$70 per 1000.

CHOICE BREEDING COCKERELS

We have for sale about 200 extra choice breeding cockerels at very reasonable prices. These birds have particularly fine plumage, carriage and head points. Their ancestors for generations have won prizes in all the shows in the United States. On request we will mate up for the purchaser trios or pens, which will produce the very best results. If you need birds for breeding or eggs for hatching, write us at once for description and prices.

WHITE LEGHORN POULTRY YARDS CO., Box 525, Waterville, N. Y.

Canada's
BEST

S. C. BUIFF LEGHORNS
At St. Louis won more prizes on male birds than any exhibitor. Also American Buff Leghorn Club silver cup for collection. Write wants. Nate K. Cornwall, Thamesville, Ont.



If You're a Wise One

you'll send your orders for **POULTRY PRINTING** direct to the **ORIGINAL POULTRY PRINTING SPECIALIST**. Years of experience in this one class of work insures absolute satisfaction with every order. Letter Heads, Envelopes, Cards, Circulars, etc., correctly printed at nominal prices, transportation prepaid. Unequaled line of cuts. Samples, etc. mailed free. **S. E. Richards** Sta. E Monticello, Wis.

Barred Rocks

Ten cockerels scoring \$9 to \$12, \$2 to \$5 while they last. Eggs from five yards, scoring 90 to 93%, \$1.50 per 13; \$4 per 50, \$7 per 100. My motto, **Honest Treatment at Living Prices.**

J. N. YOUNG, GOLDEN RULE FARM, R. F. D. 2, HENRY, ILL.

S. C. BROWN LEGHORNS

—Bright Strain—

Five prizes on pullets, five on cockerels, two on hens three on pens at Pontiac Show. Large, fancy cockerels, scoring to 93%, \$1 to \$5. Score cards by Russell. Eggs in season.

F. W. CUSTER, Route 1, Pontiac, Ill.

CHRISTOPHER STRAINS

You pay bigger prices but get no better birds. I have spent years in developing just two breeds—my favorites, **BARRED AND WHITE ROCKS**. Finely pointed birds of all ages and guaranteed fertile eggs at living prices. I solicit a trial order.

KICKAPOO POULTRY YARDS,

JAS. CHRISTOPHER, Prop., Heyworth, Ill.

..Partridge Wyandottes..

—BEAUTY, UTILITY—

"A thing of beauty is a joy forever." A splendid lot of **COCKERELS** and **PULLETS** for sale, bred from my **PRIZE WINNERS**. Last season, at the **LEADING MICHIGAN SHOWS**, my birds won **10 FIRSTS** and **6 SECONDS** in hot competition. They are **FINE IN SHAPE** and **GRAND IN COLOR**. Eggs in season. Write wants.

DR. C. M. BASKERVILLE, Mt. Pleasant, Mich.

AT THE WORLD'S FAIR

I exhibited four Pekin Ducks—cock, hen, cockerel and pullet. I won 1st cockerel, 1st hen and 4th pullet. Have never been beaten in show room. Eggs and stock for sale in season. I also raise Barred Plymouth Rocks. Duck eggs \$3 per 15; Barred Rocks \$2 per 15.

N. M. ODELL, Wichita, Kansas

RELIABLE POULTRY REMEDIES

CURE GUARANTEED

COLLINS'

Roup Cure, 25cts.
Cholera Cure, 25cts.
Diarrhoea Cure, 25cts.
Poultry Tonic, 25cts.
Cond. Powder, 25cts.

With careful experience and professional assistance of prominent physicians, I place above remedies with a positive guarantee to promptly meet every duty required of them or money refunded. Why hesitate to purchase these remedies in preference to all others, as they are prepared by best professional assistance of prominent physicians, men who know the proper ingredients and how to use them in effecting a speedy cure. Manufactured by

C. J. COLLINS, Hartford, N. J.

Good Agents Wanted Everywhere.

Asthma

CURED TO STAY CURED.

Attacks stopped permanently. Health completely restored. No return of symptoms after treatment ceases. Throw away "Reliefs." Be cured in the right way. Good appetite, sleep well, do anything, go anywhere. 58,000 patients. **BOOK 58¢ FREE.**

P. Harold Hayes, Buffalo, N. Y.

READ BEFORE THE PENINSULAR HORTICULTURAL SOCIETY, JAN. 18, 1905.

Tree Breeding and Tree Growing.

The subject assigned me is one of importance at this time when every fruit grower is eager for the best strain of varieties. It was Delaware and Maryland orchards that made the reputation years ago for fine fruit, they are to-day being replaced and fruit is now grown with equally as good quality as ever in the past.

This Peninsula was first known for its fine fruit and the reputation made by our forefathers should be maintained and can be by the fruit grower who has grit, and push to select and breed from the start.

From a conservative estimate I believe there has been planted the past year more than four hundred thousand trees on the eastern shore of Maryland and Delaware by the best fruit growers.

Why are our growers able to plant

produced best and bud from them. I understand he has followed that system and has made a success. When I was in Toledo last summer I found his goods on the market there from his plant in Texas. I am informed he will plant one hundred thousand Elberta peach trees alone. This looks like peach growing from a lesson learned from tree breeding.

During the last fruiting season I was in twenty different states and more than one hundred orchards. When at Ft. Valley, Ga., in June, at Mr. Hale's place, he gave us a side-show for only a few minutes when he demonstrated what could be done in handling different varieties from the tree to the refrigerator car from a large field of trees. Many varieties have been discarded and other varieties budded as they proved unprofitable. He had been able by close observation to see the ones that earned their expenses.

I was at Marshallville, Ga., on the spot where the famous Elberta peach was originated. There the original spot of land is planted to Elberta the second time. Cross-pollenization produced this famous peach and the originator is a large peach grower from the results.

In West Virginia, the Miller Brothers started growing in a small way from seeing varieties that proved of value and have practiced so far as possible tree breeding or cutting buds from their best trees and are to-day the largest growers in the East.

In Maryland we have many growers who value the strain of varieties in the orchard of value. If tree breeding is to be practiced to any great extent, it must be with the closest co-operation between the orchardist and fruit growers, by marking the trees, feeding them well to make sufficient wood growth for buds.

TO GROW A TREE.

To grow a tree is much like the development of a business and its financial success depends very much on the same kind of treatment. To being with the article upon which the business is based must be good.

The class of customers should be suitable, so should the seed be the best produced and the soil in a fit condition to receive it.

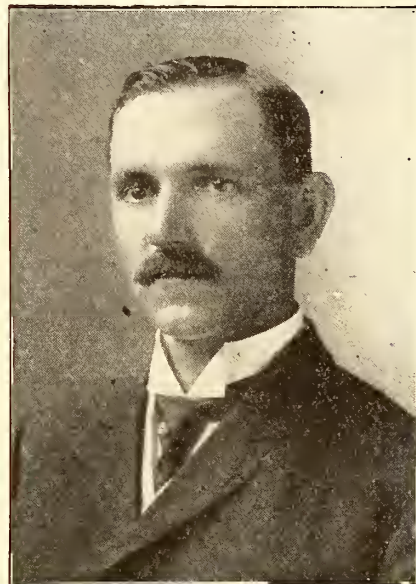
The care of business must be thorough and careful, so must the care and cultivation of a tree. A business that does not grow and develop continually loses its vitality and often dies, so does the tree that does not grow from the lack of proper care begins to droop and die.

Tree-growing from the nurseryman's stand-point has increased many times in the past ten years, and to-day they are grown with more watchful care and the growing of trees has developed in a large business on the Peninsula, the soil and climate is right and the trees grow well.

No growth however, can be systematical and solid if care is not taken to cultivate the soil and prevent diseases. Its adaptability to every state accounts for the universal demand.

To-day hundreds of thousands of trees sprouted on the eastern shore are planted in every state and territory as well as in Canada and their growth is quite rapid and systematical as ever, so not only the fruit is grown but the trees as well. When it comes to tree breeding and tree growing, stay where you are on the Eastern shore and plant an orchard and improve your opportunities.

ORLANDO HARRISON.



ORLANDO HARRISON.

now as they have not for twenty years or more? This question is unanswered in part.

The master of the Delaware State Grange, in a recent horticultural meeting held in Pennsylvania, said: "Much credit is due the nurseryman for this by more careful selection of peach seed." Others contribute success to small orchards scattered over the greater acreage. Now that this second planting is being done, most of the planters to-day on this Peninsula have had some experience in varieties and the different strains of varieties.

Some years ago there was much said about the Reeve's favorite being such a shy bearer. To-day we do not hear that complaint by many. I planted some Reeve's favorite ten years ago to cut buds from and they have had annual crops of fine fruit.

I was in Mr. Morrill's orchard in Michigan some eight years ago, when he went over the orchard he emphasized that certain varieties had paid him much better than others and he thoroughly believed in the breeding system of varieties, that is he would select the trees that

DUSTON'S NEW FARM.

Illustrations and Description of Arthur G. Duston's New Farm at So. Framingham, Mass.

Our readers know that Arthur G. Duston, the White Wyandotte man, formerly of Marlboro, Mass., recently moved to So. Framingham, Mass., securing a larger plant and better facilities for his growing business.

There is a little story regarding his new farm of interest to readers.

The accompanying photos were recently taken for AMERICAN POULTRY JOURNAL.

No. 1 is a pullet which Mr. Duston believes cannot be beaten for shape as a Wyandotte. This was taken in November, and Mr. Duston has fitted her for one of the strongest exhibitions in the country, and believes she will give a good account of herself. Our readers and all those interested in White Wyandottes will appreciate that this

rather a model. Certainly they are for business, and not for looks.

Having moved onto an old place, of course many things have had to be done during the first year which have taken time, but will not count for very much; but another season he hopes to do quite a little in the way of building and improving his place.

He has what is known as one of the best grass farms in this section, and naturally put stock enough, in the shape of thoroughbred Guernseys, to eat it up, thus bringing his place up and getting some revenue from his cows.

He believes he will make a more marked improvement in his stock the coming year than he has been able to make in several years, inasmuch as he is just living with his birds, and shall know the individual characteristics and merits of each specimen that he puts into his pens. He believes it is a good deal to know the disposition of the birds, and to have seen them round out from chickenhood.

The bird in illustration No. 1 shows for itself, its depth of body, close clean

PETALUMA GETS THE GOLD MEDAL.

Owing to the unfortunate controversy between the National Commission and the Exposition authorities, the official announcements of awards in many cases were long delayed. The official notice has now been issued, however, and the Petaluma Incubator Company of Petaluma, Cal., receives the Gold Medal on their Petaluma Incubators and Brooders, as exhibited at the Louisiana Purchase Exposition. It came over the signature of J. A. Filcher, Commissioner, who warmly congratulated the Petaluma Company upon the excellence of their machines. This is a high honor from high authority. It must be remembered that the Board of Judges, as well as the exhibits, was international in character. Foreign judges assisted in making the awards, and foreign machines, as well as all leading makes in our country, were in competition. It must serve to confirm the opinion already held by a great army of users that the Petaluma Incubators and Brooders are unexcelled.

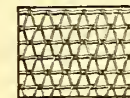
W. H. Wiebke of Fort Wayne, Ind., sent his Single Comb Brown Leghorns to Madison Square Garden, in January, 1905, and won as follows: 1st cock, 3d pullet. The cock was an elegantly marked, good, well finished bird of sound color, and an easy winner, strong in head points. The pullet had the rich golden penciling and fine Leghorn shape. The cockerel that he sent, not placed, was a beautiful Leghorn and a sure winner in most shows. Of course the competition at Madison Square is very strong.

Insures quick, healthy growth Pratts Calf Tonic.

Made by Pratt Food Co., Phila. Over 30 years old.

SEEDS

SOLD ON MERIT. Catalog free. The Ford plan saves you money. Satisfaction Guaranteed. Ford Seed Co. Dept. 6 Ravenna, O.



FENCE STRONGEST MADE. Built strong chicken-tight. Sold to the Farmer at Wholesale Prices. Fully warranted. Catalog free. COILED SPRING FENCE CO., Box 82 Winchester, Indiana.

TRADE F. P. C. MARK CHICK MANNA

LITTLE CHICKS AND TURKEYS
First Ten Days' Food.

Specially prepared for their tender conditions during the most critical period. Introduced 1884. No new experiment. It has an established reputation north, south, east and west. "They not only like it but thrive wonderfully on it," M. K. Boyer. Sells on its merits. Sold by large supply houses and country stores. Special low express rates. Send for booklet and printing matter to originator and sole manufacturer.

F. P. CASSEL, Lansdale, Pa.
Mfr. of the F. P. C. Success Chick Feed, and remedies for Cholera, Roup and Gape Disease, etc., etc.

ORR'S WYANDOTTES ORPINGTONS

All the standard varieties of both breeds. We could not compete for World's Fair prizes.

being superintendent of poultry there; but our display with one hen of each of our ten varieties attracted much attention.

Eggs For Hatching Our Specialty

Twenty-two years' experience has secured us the confidence of customers in every state. Booklet free. Name your variety.

Orr's Lice Killer is Best, \$1 per Gal.

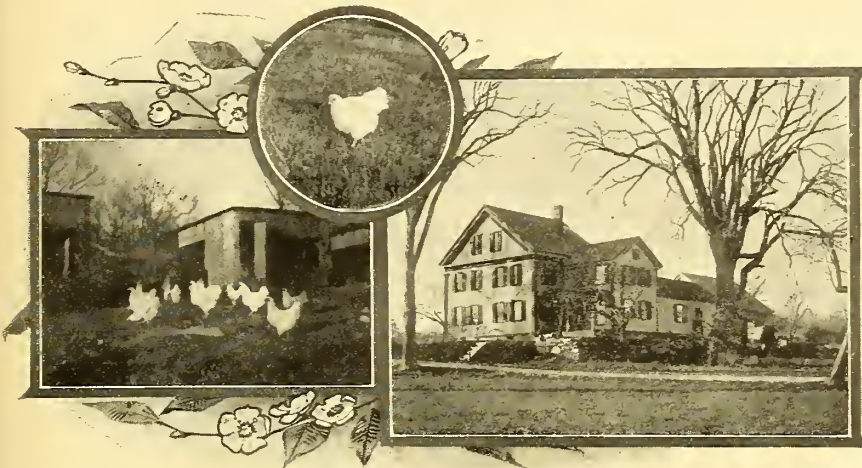
T. E. ORR, Box 807, Beaver, Pa.



OUR NEW BOOK

ON POULTRY for 1905 is the most practical book ever published on the care of poultry in health or disease. Gives best plans for houses, how to feed for more eggs and how to MAKE BIG MONEY. Send 15c for mailing. Fowls and eggs for sale cheap.

JOHN BAUSCHER, Jr., Box 130 Freeport, Ill.



Scenes on the farm of Arthur G. Duston, So. Framingham, Mass.

is something exceptional in shape, and believe it to be what would be termed an advanced copy of what the new standard will call for.

No. 2 is a coop of a few pullets and cockerels. This was taken just at night and shows somewhat dark, and as the birds are a little timid, they do not show to best advantage. But it is an easy matter for one acquainted with the taking of pictures to figure out how difficult it is to make a good snap shot of a coop of chickens.

No. 3 is a photograph of Mr. Duston's home, taken from the southeastern exposure. This huge elm is probably one of the largest in this section, and is given credit as being the largest. It is a tremendous specimen. He has fifty acres of land, about thirty of it being tillage, and ten acres or so of pasture, the balance woodland.

Back of the house to the east, with a fine southern exposure, is a slope on which he is going to erect his poultry buildings. He has five fifty foot ones, which were started the first of November, and will erect seventeen of this same kind of house, being twelve feet wide, five pens, six feet in front, five feet in the rear, double pitched, one short roof, and a long roof to the north. He will have something in these that is going to be

comb, standing low, especially well-spread tail and full cushion, and short, flat back. He considers her a marvel, and the artist had to walk all over the field to get anywhere near her, and then, as you see, she was so far away that it was impossible to get the very best view of her.

This is to certify that we have sold to Mr. F. C. Tabor, of Worcester, N. Y., all the R. C. Brown Leghorn females shown by us and winning prizes at the World's Fair, St. Louis, Oct. 21 to Nov. 5, 1904.

Trusting this will be satisfactory and that the birds will be all that you expect, we are, yours truly,

STEINMESCH FEED & POULTRY SUPPLY CO.

A. Steinmesch, President.

The Emma B. Poultry Farm, of which S. E. Lane is superintendent, at Gurnee, Lake county, Ill., is offering this month 300 fine breeding Barred Rock hens at a wonderfully small price, especially if the whole lot is taken by one man. This is an opportunity that will not often occur. The well known quality of the stock on the Emma B. Poultry Farm is in itself a guarantee of the value received, and AMERICAN POULTRY JOURNAL readers should look up this offer.

Joe Farmer, Flushing, Ohio, is offering his poultry farm for sale. This farm is known all over the United States and into foreign lands and has been the home of thousands of Barred Rocks in the past twenty-one years. Mr. Farmer is now in his 70th year and poor health compels him to give up active work. Write him for prices and particulars.

Cyphers Incubator Co.

Grant M. Curtis, President.
Buffalo, New York, U. S. A.

22 GOLD AND SILVER MEDALS

have been awarded the **Genuine Patent-diaphragm, Non-moisture, Self-ventilating and Self-regulating Cyphers Incubators** in 12 different countries, within the last fifty months. Our latest triumph was at the **WORLD'S FAIR** (Louisiana Purchase Exposition) St. Louis, Missouri, U. S. A., October 12, 1904. A "practically perfect Incubator" was what the

International Jury of Awards,

(English, German, French and American) pronounced the Standard Cyphers, 1905 pattern, for it was on this basis that the **GOLD MEDAL** (the highest award on incubators and brooders) was awarded under the Exposition rules. Note also that we won the **Gold Medal** at the Pan-American Exposition.

The Sample Medals shown on this and the opposite page—medals won by Cyphers Incubators and Brooders in the foremost civilized countries on the globe—represent just so many reasons (a victory in each country!) in support of our claim that incubators of this company's manufacture are now widely recognized as

"The World's Standard Hatchers."

Another convincing reason for this claim is the almost universal adoption of this company's make of incubators and brooders by the **Government experiment farms of 46 different countries, states and provinces** in all parts of the world—a record not approached by any other make of incubator or line of brooders manufactured in this or any other country. These **Government experiment farms** are established and conducted for purposes of **public instruction**. To satisfactorily instruct their thousands of students, they must have the best of everything with which to work—the best instructors, the best animals or breeding stock, the best seeds, etc. The instructors on these farms have themselves studied hard and long; the animals have been well-bred and the seeds have been improved year after year by the selection of the best. **Can you doubt** that the **Genuine Standard Cyphers Incubators and Brooders** are the best when they are used and publicly endorsed by these Government experiment farms, located in all parts of the civilized world? **To do their best work in their chosen field**, to satisfactorily instruct their students, these institutions must secure and use the **best incubators and brooders**. Our 228-page catalogue for 1905 contains the personally signed endorsements of the managers and poultrymen on these public institutions—see opposite page.

1905 PATTERN STANDARD CYPHERS.

Notwithstanding our enviable position at the front, we do not stand still, in evidence of which the attention of the experienced operator is called to the following condensed summary of important improvements embodied in the **1905 pattern Standard Cyphers Incubators**:

1. A right angle lamp support, attachable without screws, self-locking, and which cannot be misplaced.
2. A rigid-bowl, seamless bottom lamp that will not "buckle" and cannot leak.
3. A solderless heater of heavy galvanized iron tightly riveted to light-weight, gray iron castings, and guaranteed smoke-proof.
4. Mechanically perfected quadruple action Thermostat, with increased power and more sensitive bearings.
5. Removable top diaphragm, so that upper felt can be dusted, cleaned, aired and easily replaced, should occasion demand.
6. "Split" or double lower diaphragm, so that burlap chick nursery floor can be removed, washed, aired, replaced and space between burlap and felt readily cleaned.
7. Positively uniform ventilation and equable temperature in all parts of the hatching chamber.
8. Better **Materials**, because more carefully selected, and better **Workmanship** because more critically supervised.

REDUCTION IN PRICES

Not only have we improved these Standard Hatching Machines, especially in their mechanical construction, and in the quality of materials used, but we have accomplished an important saving in the **cost of manufacture** by increasing our plant, introducing labor-saving machinery, buying in larger quantities, taking advantage of all cash discounts and greatly enlarging our out-put. **In keeping with this company's new policy**, (see January advertisement, this journal,) we now offer our customers, in the shape of reduced prices, the large savings we have accomplished lately in the manufacture of our goods. For the season of 1905, regardless of consequences,

Our \$14, 60-egg size incubator will be sold for \$12.00.
Our \$20, 120-egg size incubator for - - - \$17.00.
Our \$29, 220-egg size incubator for - - - \$24.00.
Our \$37, 360-egg size incubator for - - - \$30.00.
Our \$58, 440-egg size double-decker for - - \$48.00.
Our \$78, 720-egg size double-decker for - - \$60.00.

In addition to the foregoing we are offering for 1905 two special, low-priced incubators at \$10.00 and \$6.50 each, the **Farm-Economy** (100-egg capacity) and "**Boy's Choice**" (50-egg capacity,) respectively; also two new styles of brooders, the **Storm King Outdoor Brooder**, two sizes, which sell at \$6.00 and \$8.00 each, holding 50 and 100 chicks respectively, and the **Hare-Curtis Hygienic Brooder**, a new departure in brooder construction that we believe will prove a great boon to poultrymen—see opposite page.

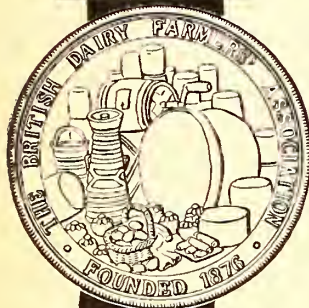
Send Today For Complete 1905 Catalogue and Guide, (228 pages, 8x11 inches) which fully illustrates and describes the more than sixty "Poultry Requisites" now manufactured by us. Please mention this paper and address our nearest office.

CYPHERS INCUBATOR CO.,

BUFFALO, N. Y., Court and Wilkeson Streets.
BOSTON, MASS., 34 Merchants Row.
NEW YORK CITY, 21-23 Barclay Street.
CHICAGO, ILL., 310 Fifth Avenue.
KANSAS CITY, MO., 2325 Broadway.
SAN FRANCISCO, CAL., 329 Sansome Street.



AMERICA



ENGLAND



GERMANY



HOLLAND



BOHEMIA



DENMARK



AMERICA



NETHERLANDS

Cyphers Incubator Co.

Grant M. Curtis, President.

Buffalo, New York, U. S. A.



"Poultry Requisites" now manufactured by this company embrace more than sixty useful articles needed by up-to-date and progressive poultrymen. These are articles it pays to use. They are not foolish trinkets, worthless by-products nor harmful concoctions. Every appliance we make is of practical value, built of high grade materials and mechanically constructed. Every poultry food produced by us is scientifically balanced and composed of sound, wholesome grains—each selected for the purpose, not a

gathering together of waste products. Every insecticide, disinfectant and remedy we sell is put up by medical and chemical experts, for the specific purpose, and is guaranteed to be efficacious. **Positively Every Article** we list on this page is manufactured in our own factory, mills or laboratory. We

know, therefore, all about what goes into these goods and are in a position to guarantee their quality as to workmanship and their purity as to ingredients. We manufacture practically every article the earnest poultryman needs with which to achieve the maximum of success, and he can equip and conduct his poultry plant small or large, first to last, with Cyphers Company goods. He can buy every article he needs in this line from the same source and thus make sure of obtaining the best goods at the lowest possible prices, not only on his original purchase, but also on later orders.

We Make a Specialty of Complete Outfits for poultry plants, including plans for buildings and yards, all necessary equipment and every article required for best results. You can buy from us everything you need from a "Book of Plans" to the breeding stock or eggs for batching, and will obtain superior goods, at lowest prices, and receive prompt and courteous treatment. See our list of "free books to customers," page 45 of our main catalogue, which include "Poultry Plant Construction," "Hints to Aid the Beginner," "Profitable Poultry Feeding" and "Directions for Operating Standard Cyphers Incubators." Our six places of business bring the Cyphers Company's goods near to you, thus saving you freight charges and valuable time. A trial order will demonstrate the profit to you in dealing with us. Our constant aim is to make a Cyphers Company friend of every Cyphers Company customer.

NO MATTER WHAT YOU WANT in the way of incubators, brooders, appliances, foods, clover and alfalfa products, standard supplies, remedies, books, plans, etc., write for our complete catalogue and guide for 1905 and our separate poultry supply catalog before placing your orders elsewhere. Among the exclusive articles we manufacture that are of guaranteed quality, each and every one being the best, or as good as the best, on the market—this, or your money back—are the following:

FIVE STYLES OF BROODERS:

Style A, Outdoor.....	\$12.00
Style B, Indoor.....	10.00
Storm King, No. 1, Outdoor.....	6.00
Storm King, No. 2, Outdoor.....	8.00
Hare-Curtis, Indoor.....	7.50

PORTABLE POULTRY HOUSES:

Cyphers Colony, 3x6 ft.....	\$ 7.00
Apex, 5x6 ft.....	15.00
Shed-Roof, 6x6 ft.....	20.00
Hare-Curtis, 6x6 ft.....	20.00
Suburban, 6x10 ft.....	25.00

POULTRY FOODS:

Cyphers Chick Food.
Cyphers Laying Food.
Cyphers Scratching Food.
Cyphers Forcing Food.
Full-Nest Egg Food.

CLOVER AND ALFALFA PRODUCTS:

Short-Cut Clover.
Mealed Clover.
Shredded Clover.
Short-Cut Alfalfa.
Alfalfa Meal.
Shredded Alfalfa.

CYPHERS POULTRY BOOKS:

No. 1, "Profitable Poultry Keeping in All Branches."
No. 2, "Profitable Care and Management of Poultry."
No. 3, "Profitable Poultry Houses and Appliances."
No. 4, "Profitable Egg Farming."
No. 5, "Profitable Market Poultry."
No. 6, "Capons for Profit."

POULTRY APPLIANCES:

Pedigree Egg Trays.
Pedigree Trap Nests.
Cyphers Chick Shelters.
New Model Brood Coops.
Revolving Egg Cabinets.
Cyphers Shipping Coops.
Cyphers Egg Cases.
Imperial Egg Packages.
Wire Egg Carriers.
Simplex Cramming Machine.
Practical Egg Testers.
X-Ray Egg Testers.
Brooder Metals.
Safety Brooder Stoves.
Drinking Fountains (three sizes).
Food and Water Holders (three sizes).
Wall Fountains.
Dry Food Hoppers.
Grit and Shell Boxes.
Food and Water Cups.
Caponizing Instruments.
Poultry Killing Knives.
Perfect Chick Markers.
Improved Leg Bands.

INSECTICIDES, REMEDIES, ETC.:

Cyphers Lice Paint.
Cyphers Lice Powder.
Cyphers Egg Stimulant.
Cyphers Roup Cure.
Complete Medicine Case (ten remedies).
Napereol, a disinfectant.
Nodi-Charcoal (in cartons).
Fumigating Candles.
Ovinaphthol Nest Eggs.
Cyphers Complete Grit.

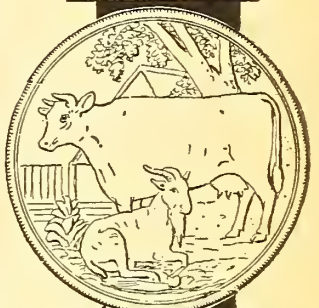
SIX PLACES OF BUSINESS.

To facilitate the better handling of our business and to save our customers time and money, we maintain six places of business. Inquiries and orders sent to any of these offices will receive prompt attention. All goods will be shipped from the branch house nearest you, thus saving you time and freight charges.

Our 1905 Catalogue is the largest and finest book we have issued. Consists of 228 pages 8x11 inches in size. Contains six special chapters on profitable poultry keeping, editors, professors of poultry husbandry and owners and managers of the world's largest and most successful poultry plants. One hundred and twenty pages devoted to an illustrated description of the Cyphers Company's exclusive manufactures, as named herewith. **WILL BE SENT FREE**, postpaid, to every reader of this advertisement who will send us his name and the names and addresses of two friends or acquaintances who are known to be interested in poultry for profit. Please mention this paper and address nearest office.

CYPHERS INCUBATOR CO.,

BUFFALO, N. Y., Court and Wilkeson Streets.
 BOSTON, MASS., 34 Merchants Row.
 NEW YORK CITY, 21-23 Barclay Street.
 CHICAGO, ILL., 310 Fifth Avenue.
 KANSAS CITY, MO., 2325 Broadway.
 SAN FRANCISCO, CAL., 329 Sansome Street.



BUFF WYANDOTTE PACE SETTERS.

Ackley & Page, Woodstock, Ills., the
Home of Prize-Winning Wyandottes.

By the Editor.

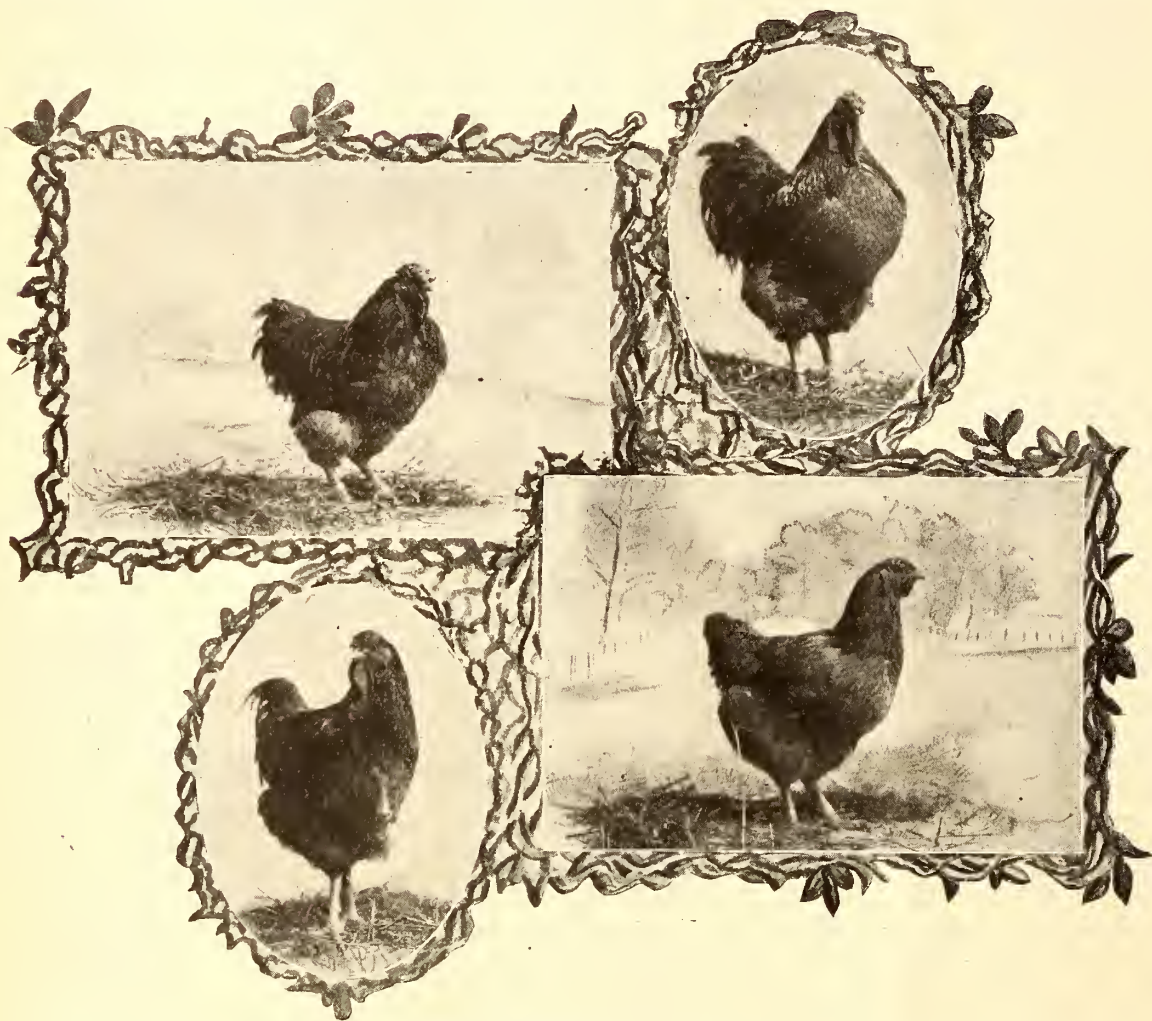
About one mile from Woodstock, Ills., is located the farm of Ackley & Page, where the birds reproduced in

ter, with commodious houses, ample range, and shade. Fifteen hundred birds have been hatched and reared there during the past twelve months.

Ackley & Page can honestly claim the honor of breeding annually more Buff Wyandottes than any one concern in America. On this farm is raised many of the prize winners at our leading shows where was produced the 1st and 2d prize cocks, and the 6th prize cockerel at the St. Louis Show, besides many other famous prize-win-

for Mr. Ackley to have considerable additional help, for the business is growing by jumps and bounds, and it keeps them all hustling to look after the birds and fill orders.

Their prize-winners are grand in shape, remarkably good in comb and the correct Wyandotte shape, short, broad and deep, and beautiful in color. They are remarkably strong in hens, and we believe they have the finest line of show and breeding specimens that can be found in this country. The



FOUR NOTED BUFF WYANDOTTES.

First cock, at St. Louis. Second cock, at St. Louis and first at Chicago, 1902. Sixth hen at St. Louis. Third hen at St. Louis. Bred and owned by Ackley & Page, Woodstock, Ill.

the accompanying two illustrations were raised. This is, without doubt, the largest farm in this country devoted to the exclusive breeding of Buff Wyandottes. The farm consists of 40 acres, a part of which is well covered with trees and shrubbery, which affords plenty of shade in the summer and protection from the cold winds in the win-

ners and others that will be prize-winners before the season is fully over.

Mr. Ackley's entire time is given to the fowls, and in Dr. Page one will have to go a long way to find a more enthusiastic fancier or one who has more at heart the production of this beautiful variety. The constantly increasing business makes it necessary

young stock has rounded into shape and have developed into the splendid specimens that they gave promise of early in the season.

Ackley & Page's Buff Wyandottes are purely standard in color, that rich golden buff, not the light lemon or buckskin, in fact there is little to criticize in their whole flock of 1,200 birds.

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, standard qualities have not been neglected. They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Exhibition and breeding stock for sale. Illustrated circular free.

No Better Anywhere
At Any Price.

Winners at Madison Square Garden, N. Y., 1903-1904-1905

H. J. BLANCHARD

Box 997, Groton, N. Y.

White in males or females is practically unknown on this farm, and it would take a hard hunt to find any black, much less than is usually found in buff birds of any variety. A magnificent feature of their stock is the harmonious and pleasing shade of buff that is found throughout.

This firm conducts their business on a strictly business basis and are in the business to stay, treating their customers in a manner that will insure the placing of future orders when more stock is required. This is done by living up to the absolute guarantee to please the buyer. The commercial value of Ackley & Page's fowls is just as great and as much a care with them as their breeding of strictly fancy show specimens. They aim to perpetuate their best layers in their show females and their hardest, quickest growing males in their show cocks.

After trying many experiments for winter eggs, they have decided upon a canvas front house, and the only protection from cold being the thin sheet of canvas tacked on the frames; and last winter when the mercury was at its lowest, the hens in these houses made the best egg records. This demonstrates that it is hard to freeze a matured Buff Wyandotte, owing to its having the heaviest coat of feathers of any of the Wyandottes obtained from the Cochon cross, which makes them remarkably good cold weather layers.

Ackley & Page's Buff Wyandottes can be depended upon for deep breasts, rose combs and a sound buff color, and guaranteed to lay eggs in winter as well as in summer. A foundation of this stock will put any breeder on the road to success, backed up as it is by the wonderful success as egg layers and prize winners.

Their record of winnings stand at the top among Buff Wyandotte breeders since Jan., 1902. This firm has made six shows, three of them in Chicago, one in Nunda, Ills., one at Indianapolis, and one at the World's Fair, St. Louis, all with the strongest competition. In these six exhibitions they won thirteen 1sts and nine 2ds and 15 specials.

To those who are acquainted personally with these men that is a sufficient guarantee and to those of AMERICAN POULTRY JOURNAL readers, who have not this acquaintance, we can introduce them again with the strongest of recommendation.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you kindly answer the following questions through your paper:

1st. At what age should light Brahmas reach standard weight for cockerel and pullet, and at what age should they reach full standard weight for cock and hen?

2nd. Is it a sign of impure blood for White Wyandottes to throw off single-comb chicks?

R. R.

Crawfordsville, Ia.

1st. Light Brahma cockerels and pullets should reach standard weight at seven months. Hens and cocks at one year.

2d. Yes.

The chief peculiarities of the English method of dressing poultry are: Killing by wringing the neck, not by chopping or sticking; feathers are left on the neck for a few inches from the head, also a few feathers on tail and tips of wings; the breast bone is sometimes broken down by pressing it to one side with the thumbs, and the wings are twisted to the back of the bird.

MR. WARD IS SMILING.

Just before going to press with this issue of the Journal, we received the following note from Mr. Clarence Ward, proprietor of the Congress Park Poultry yards, of Congress Park, Ill. He also encloses his latest photo, taken after the ribbons were placed at the Chicago, 1905 show, which we publish herewith. We don't blame him for smiling and heartily congratulate him. The note and photo follow:



EDITOR AMERICAN POULTRY JOURNAL.

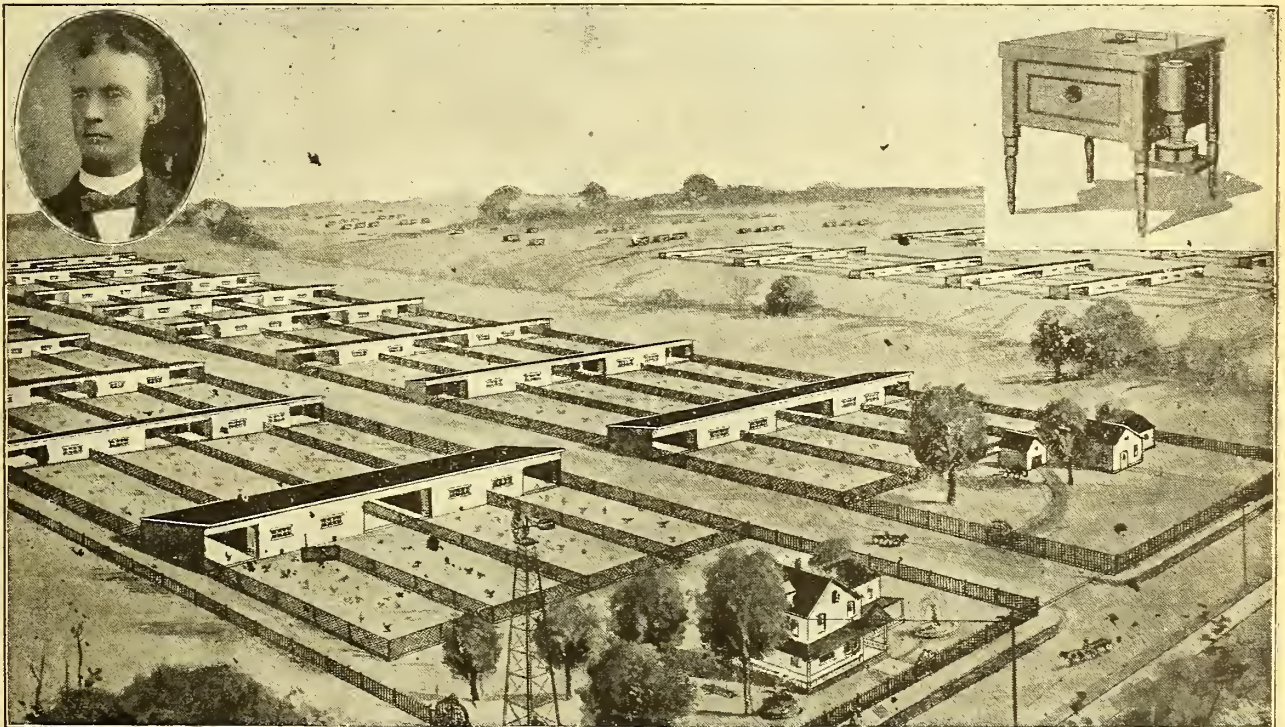
Dear Sir—I am smiling all over my face and half way down my back and feeling pretty good, thank you. I won first cock and first pen, White Wyandottes on six entries at the great Chicago, 1905 show, in one of the hottest classes ever shown in Chicago. This looks as if I had the goods in White Wyandottes, does it not?

Thanking you for the many kind courtesies you have extended me, and wishing your valuable journal every success, I am

CLARENCE WARD.

Congress Park, Ill.

P. S.—Please tell your many readers to read my half page egg ad. in this issue of the Journal.—C. W.



Crescent Poultry Farm, Des Moines, Iowa. The Largest and Most Complete Poultry Farm in the Country

Our New Book, "MONEY IN POULTRY," Just Out.

FRANK FOY proprietor of the CRESCENT POULTRY FARM, has just issued a new and valuable book called "Money in Poultry." This book contains 84 pages and probably gives more reliable information about the business based on actual experience on the farm than any other book of the kind published. It tells everything about the poultry business from start to finish; describes our 25 leading varieties of pure bred fowls, and the Frank Foy Incubators and Brooders. Quotes extremely low prices on fowls, eggs, incubators and brooders. Mailed for 4 cents in stamps. Address

FRANK FOY, Box B, Des Moines, Iowa

LEARN TO RAISE POULTRY PROFITABLY

If you are raising poultry, your flock should under ordinary conditions be yielding a clean profit of 50 per cent. Are you getting this result? If not you are making costly mistakes. You are not conducting your yard on the right principles. Success comes, primarily, from knowing how to do some one thing well. It will pay you to master the subject of Poultry Culture. Chickens are veritable mortgage lifters. The sooner those who are now raising poultry, or who contemplated doing so, realize this fact, the sooner the number of happy homes will be increased. A very small proportion of the people in the United States are permitted by circumstances to learn any of the professions or to enter active commercial life, but there are thousands of men and women of this class who can profitably raise poultry in back yards, on village lots or small farms and actually realize a far greater percentage of profit than can the city business man and with not half so much worry and trouble. You can learn the interesting, healthful, and profitable vocation of Poultry Culture in your own home without interfering with your regular work. We can teach you by our correspondence method. It is complete in every detail. It clearly explains every phase of the subject from beginning to end. Nothing is left uncovered. Thousands of dollars and years of hard work by some of the greatest poultry specialists in the country have been spent in perfecting it. The authors are men who know what it means to get right out into the yards and conquer the obstacles which confront poultry raisers. You are not asked to experiment with fine cut theories emanating from an office desk. The lessons are sent regularly to your home. You can study the course at night and put the principles into practice next morning. The benefits are immediate. The instruction of each student is conducted individually and is made to suit each separate case. Anybody, anywhere, whether beginner or old hand at the business, should take a course of instruction with us. The study can be taken up at any time. Our teaching is an unqualified success. We have placed numbers of students in

GOOD PAYING POSITIONS

We are constantly in receipt of requests from owners of poultry farms, located in all parts of the country, asking us to recommend properly qualified men as managers. Many of these positions pay large salaries, some include a liberal business interest also. Qualify yourself for one of these lucrative positions. We can place you the moment you are ready.

We have just published a new book, dedicated to all who keep chickens, yet don't make as much out of them as they might, and to those who **don't** keep them, yet **could** if they **would**, and who if they **did**, could make important additions to their income. It is bright and interesting. It is free. Write for a copy—**Now**.

COLUMBIA SCHOOL OF POULTRY CULTURE

Box 716, Waterville, New York

COLUMBIA SCHOOL

WATER

RESIDENCE COURSE OF INSTRUCTION IN POULTRY CULTURE

Many of our students in Poultry Culture have become so deeply interested in the subject, and have been so much benefited by the instruction we have given them, that they have written, asking if we could not take them for a course of **personal instruction** at our Model Poultry Farm. After careful preparation we have arranged to accommodate a limited number of students of both sexes. This personal course is as thorough and comprehensive as active brains and human ingenuity can make it. It means the actual, practical application of the principles we teach, from the very moment the student reaches our farm. There are regular hours for study each day and regular lectures by members of the faculty. On arrival, each student is given a flock of chickens to handle, and is required to keep accurate statistics and report on results. By diligent application this course of study can be completed in four weeks. Students can enter at any time. The cost of tuition is small. At no other institution in this country can such a thorough and practical education in Poultry Culture be obtained. We make no exception whatsoever.

The buildings on our farm are of the latest and most approved type, and included in our poultry equipment are incubator cellars and incubators, with a capacity of 7500 eggs at one sitting; three large pipe brooder houses, with a total floor space of 6000 square feet; eight long laying houses, with floor space of 17,000 square feet, affording quarters for 2000 breeding birds; two feed houses, work shop, fattening house, with capacity of 750 birds in crates, and a large number of colony houses. These buildings are all constructed in the very best manner and equipped with modern appliances. The farm of 60 acres is devoted exclusively to the poultry work, there being no other live stock, excepting a few registered Holstein cows. Our birds are practically all Single Comb White Leghorns and are extremely well bred, having won leading honors at many of the largest shows in the country. However, for the benefit of our resident students, we have added a few birds of the following varieties: Barred and White Plymouth Rocks, Partridge and White Wyandottes, Black Orpingtons, Black Langshans and Light Brahmas.

No school on earth, neither public nor private, can boast of equal facilities. Visitors are always welcome at our farm, which is located in the outskirts of Waterville, N. Y.. This village is on the D. L. & W. R. R., 250 miles from New York and 22 miles from Utica. We invite all interested persons to come and get acquainted with us and investigate our methods. These details will show in what a thoroughly practical way every phase of poultry culture is taught by us, and will readily explain why all our students, both suburbanites, farmers and fanciers, meet with such unqualified success. If you are interested in taking a personal course in Poultry Culture, write us. We will promptly furnish full information and advise you regarding your individual case.

COLUMBIA SCHOOL OF POULTRY CULTURE

Box 716, Waterville, New York

of POULTRY CULTURE.

E. N. Y.

LEARN TO RAISE POULTRY PROFITABLY

If you are raising poultry, your flock should under ordinary conditions be yielding a clean profit of 50 per cent. Are you getting this result? If not you are making costly mistakes. You are not conducting your yard on the right principles. Success comes, primarily, from knowing how to do some one thing well. It will pay you to master the subject of Poultry Culture. Chickens are veritable mortgage lifters. The sooner those who are now raising poultry, or who contemplated doing so, realize this fact, the sooner the number of happy homes will be increased. A very small proportion of the people in the United States are permitted by circumstances to learn any of the professions or to enter active commercial life, but there are thousands of men and women of this class who can profitably raise poultry in back yards, on village lots or small farms and actually realize a far greater percentage of profit than can the city business man and with not half so much worry and trouble. You can learn the interesting, healthful, and profitable vocation of Poultry Culture in your own home without interfering with your regular work. We can teach you by our correspondence method. It is complete in every detail. It clearly explains every phase of the subject from beginning to end. Nothing is left uncovered. Thousands of dollars and years of hard work by some of the greatest poultry specialists in the country have been spent in perfecting it. The authors are men who know what it means to get right out into the yards and conquer the obstacles which confront poultry raisers. You are not asked to experiment with fine cut theories emanating from an office desk. The lessons are sent regularly to your home. You can study the course at night and put the principles into practice next morning. The benefits are immediate. The instruction of each student is conducted individually and is made to suit each separate case. Anybody, anywhere, whether beginner or old hand at the business, should take a course of instruction with us. The study can be taken up at any time. Our teaching is an unqualified success. We have placed numbers of students in

GOOD PAYING POSITIONS

We are constantly in receipt of requests from owners of poultry farms, located in all parts of the country, asking us to recommend properly qualified men as managers. Many of these positions pay large salaries, some include a liberal business interest also. Qualify yourself for one of these lucrative positions. We can place you the moment you are ready.

We have just published a new book, dedicated to all who keep chickens, yet don't make as much out of them as they might, and to those who **don't** keep them, yet **could** if they **would**, and who if they **did**, could make important additions to their income. It is bright and interesting. It is free. Write for a copy—**Now**.

COLUMBIA SCHOOL OF POULTRY CULTURE

Box 716, Waterville, New York

COLUMBIA SCHOOL

WATERVILLE, N. Y.

RESIDENCE COURSE OF INSTRUCTION IN POULTRY CULTURE

Many of our students in Poultry Culture have become so deeply interested in the subject, and have been so much benefited by the instruction we have given them, that they have written, asking if we could not take them for a course of **personal instruction** at our Model Poultry Farm. After careful preparation we have arranged to accommodate a limited number of students of both sexes. This personal course is as thorough and comprehensive as active brains and human ingenuity can make it. It means the actual, practical application of the principles we teach, from the very moment the student reaches our farm. There are regular hours for study each day and regular lectures by members of the faculty. On arrival, each student is given a flock of chickens to handle, and is required to keep accurate statistics and report on results. By diligent application this course of study can be completed in four weeks. Students can enter at any time. The cost of tuition is small. At no other institution in this country can such a thorough and practical education in Poultry Culture be obtained. We make no exception whatsoever.

The buildings on our farm are of the latest and most approved type, and included in our poultry equipment are incubator cellars and incubators, with a capacity of 7500 eggs at one sitting; three large pipe brooder houses, with a total floor space of 6000 square feet; eight long laying houses, with floor space of 17,000 square feet, affording quarters for 2000 breeding birds; two feed houses, work shop, fattening house, with capacity of 750 birds in crates, and a large number of colony houses. These buildings are all constructed in the very best manner and equipped with modern appliances. The farm of 60 acres is devoted exclusively to the poultry work, there being no other live stock, excepting a few registered Holstein cows. Our birds are practically all Single Comb White Leghorns and are extremely well bred, having won leading honors at many of the largest shows in the country. However, for the benefit of our resident students, we have added a few birds of the following varieties: Barred and White Plymouth Rocks, Partridge and White Wyandottes, Black Orpingtons, Black Langshans and Light Brahmas.

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COLUMBIA SCHOOL OF POULTRY CULTURE

Box 716, Waterville, New York

of POULTRY CULTURE.

THE NEW YORK SHOW

The Sixteenth Annual Exhibition of the
New York Poultry, Pigeon and
Pet Stock Club a Success.

Like its predecessors, the Madison Square Garden Poultry Show scores another grand success. It ushered in the New Year of 1905 with a show that was not only a record breaker, but a record maker. When it becomes necessary to double tier the Garden with poultry coops, there is truly "something doing." Other shows may come and other shows may go, but Madison Square goes on supreme as ever. "If you want to see the cream of the poultry yards of America you will always find it at Madison Square," said a veteran poultryman to the writer. He might also have added, if you want to see the "men behind the fancy" who have made pure-bred poultry the ideals they now are, visit Madison Square. It is the Mecca of Poultrymen of all degrees. Those that have made past records, those that are coming to the front, those that are just entering the friendly arena of competition, mingle and discuss with the spirit of true fanciers the fine points of the breeds that are on exhibition.

At Madison Square the advent of all wonderful advancement in poultry breeding is first shown to the public. When a breeder succeeds in evolving anything better than the usual best, the first introduction to the poultry world is generally made through Madison Square Garden poultry show. One thing every poultryman recognizes is that no other show gives such a prestige with its awards. Visiting poultrymen always find the arrangements or classifications such that they seem to know just where to locate the varieties they are individually interested in. If certain fancies are inquired for the enquirer is directed to go to Plymouth Rock alley or other breed "alleys," as the case may call for. "Once a fancier

always a fancier" is always strongly illustrated at Madison Square. There you find scores of men who have grown gray and full of wisdom sauntering through the long aisles of coops. Some of them have not kept a bird for years, but their hearts beat as true and warm as ever for their first loves in the poultry world—such is the true fancier. What a wonderful impression the Garden has on poultrymen who visit it for the first time. He is awe struck at the immensity, lost in admiration of the beautiful and extensive decorations, dumbfounded at the tremendous crowing concert. He had imagined how great everything was, but as he had made his comparison with other shows, no wonder he was surprised.

Bordering on two sides of the entire Garden there were displays of incubators, brooders, poultry yard appliances, foods, etc. The display was an object lesson to many visitors. The fact that the growth of the poultry industry has kept equal pace with "general prosperity" of that of any calling, was satisfactorily illustrated. The fact is that hens now-a-days need only lay the eggs, and artificial methods "will do the rest" towards perpetuating her increase in family. And even under such circumstances there is not the remotest danger of any race suicide among the hens.

It was a pleasing sight to see the "Midway" row of booths, across the Fourth avenue side of the Garden, that represented the poultry press. Each was attractively decorated, and side by side was business transacted in pleasant harmony. Good—a nice start for 1905.

One of the most remarkable exhibits of rare varieties of ornamental fowls that was ever made by a single individual was that of Homer Davenport, the well-known caricaturist. There were 37 varieties of the pheasant family and 28 varieties of rare water fowls in Mr. Davenport's collection. Among those most interesting to poultrymen was the Adam and Eve (Sonnerants

Jungle fowl) of poultry creations. Said to be the first time the genuine jungle fowl was ever exhibited at a poultry show. No wonder some of the beautiful colors of some breeds of domestic poultry come from inheritance. Well might Mr. Davenport's display be said to be a show within a show. Speaking generally of the exhibits it can be truly said that it was as much of a quality as a quantity show. After the winners had been selected and the ribbon honors were on the coops, there were many "others" that seemed equally deserving of high honors in all the classes. That many breeds are making rapid improvements was conspicuous in many classes. Notably so were the newer buff breeds. There was a more marked uniformity in breed requirements with the Orpingtons. There was quite a display of Lakenvelders, Faverolles, Columbian Wyandottes and other comparatively new breeds. The specimens were of a character such as to give a better general idea of what the breeds look like than any other display has ever offered.—Geo. O. Brown in American Fancier.

LIST OF AWARDS.

Light Brahmas—Cock 1-4 Norwood Farm, 2 Klee Bros., 3 Woodcrest Farm, 5 J. W. Shaw; hen 1-2-3-5 Norwood, 4 Shaw; cockerel 1-4 Norwood, 2-5 Shaw, 3 Balch & Brown; pullet 1-3-4-5 Norwood, 2 Shaw; pen 1-3 Klee Bros., 2 C. P. Nettleton, 4 Norwood, 5 Philander Williams.

Dark Brahmas—Cock 1, hen 1, cockerel 1, pullet 2 Arthur H. Leach; cockerel 2, pullet 1 W. A. Fuller.

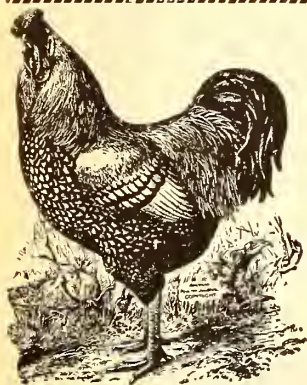
Buff Cochins—Cock 1 C. C. McLean, 2 Geo. Ball, 3 Chas. Magee; hen 1 Magee, 2 McLean, 3 Ball; cockerel 1 Magee, 2 McLean, 3 Ball; pullet 1 McLean, 2 Magee, 3 Ball.

Partridge Cochins—All awards to Geo. W. Mitchell except hen 5, cockerel 5 R. John Davey.

White Cochins—All to Adolph E. Anderson; pen 1 C. P. Nettleton, 2 E. L. Freeman.

Black Langshans—Cock 1 H. C. DeTurk, 2 E. F. Gibson, 3 R. P. Keasbey, 4 Henry Cundell; hen 1 Gibson, 2-5 Keasbey, 3 DeTurk, 4 Cundell; cockerel 1 Bert M. Bratt, 2 DeTurk, 3 Gibson, 4-5 Keasbey; pullet 1 Cundell, 2 Gibson, 3-5 N. C. Reynal, 4 Keasbey; pen 1 Keasbey.

White Langshans—Pullet 1 N. C. Reynal.



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Improve the quality of your stock by adding a pair, a trio, or pen of our high grade

PRIZE WINNING FARM BRED POULTRY

Last Fall at various State and County Fairs we won **1628 Prizes**

The stock we sell you is just as good for breeding purposes as our prize winners. We guarantee the purity of the breeding and general health, vigor and condition of everything we ship. Special prices if you write and call attention to this ad.

Our New Catalogue is in press and will be ready for mailing in a few days. It is the most practical poultry book on the market. No high sounding titles; just plain "Chicken Sense." Write and send five 2-cent stamps for a copy. It will save you money.

HERE ARE A FEW of the breeds shown and described at the special prices.

Light or Dark **Brahmas**; Partridge, Buff or White **Cochins**; Black **Langshans**; Barred, White, Buff **Ply. Rocks**; Black or Mottled **Javas**; Golden, Silver White or Buff **Wyandottes**, Black, White or R. C. Black **Minorcas**; S. or R. C. W. or Brown **Leghorns**; or Buff **Leghorns**; Buff **Orpingtons**; Blue **Andalusians**; Cornish Indian or B. B. Red **Games**, Pekin **Ducks**; Toulouse or Embden **Geese**; Mammoth Bronze or White Holland **Turkeys**. See catalogue for complete list.

EGGS

We pay as great care to the selection of eggs for shipping as to the mating, breeding and choosing of stock for filling orders. We guarantee all eggs shipped by us to be pure bred and fresh. We pack with greatest possible care. **No better eggs from anyone at any price.** Write us now for what you want and get our quotations before you buy.

The Remarkable Growth of our business has necessitated largely increasing our farm acreage and removing our business offices to commodious rooms in the Seitz Block, opposite Freeport College of Commerce. These changes give us vastly improved facilities for handling all branches of our business. We get our mail every hour and can be instantly reached by Long Distance Phone or Telegraph. Address all correspondence to Freeport. **We have no branches.**

GREAT CENTRAL POULTRY FARMS, The F. W. NIESMAN CO., Props. Box 40 FREEPORT, ILLINOIS

Barred Plymouth Rocks—Cock 1 C. H. Latham, 2 Sound Cliff Poultry Yards, 3-5 Gardner & Dunning, 4 John Ridgley; hen 1-3-4 Latham, 2 Ridgley, 5 F. D. Ham; cockerel 1-5 Grove Hill Poultry Yards, 2-4 Gardner & Dunning, 3 L. H. Peters; pullet 1-2-3-5 Latham, 4 Ridgley; pen 1 Grove Hill; 2-5 Gardner & Dunning, 3 C. H. Welles, 4 C. H. Latham.

White Plymouth Rocks—Cock 1 Grey-stone Poultry Farm, 2-5 Peapack Farm, 3-4 Millville Poultry Farm Co.; hen 1 Grey-stone, 2-4 Millville, 3-5 Peapack; cockerel 1 Grey-stone, 2-3 Millville, 4 C. C. Burrough, 5 J. D. Kuntz; pullet 1-2-3 Peapack, 4 Fred A. Andrews, 5 Millville, 4 Point Peasant Yards, 5 A. L. Bonfoey.

Buff Plymouth Rocks—Cock 1 J. R. Boyce, 2 C. A. Mack, 3 Wilson & Hall, 4 Edgewood Farm, 5 Plymouth Poultry Farm Co.; hen 1 Orchard Hill Farm, 2 F. C. Shepherd, 3 C. C. Sparks, 4 Jonas Hayner, 5 Plymouth Farm Co.; cockerel 1 Orchard Hill, 2-4 M. E. Phelps, 3 Plymouth Co., 5 Edgewood Farm; pullet 1 Shepherd, 2-4 Phelps, 3 Sparks, 5 A. W. Dakin; pen 1 Phelps, 2 Orchard Hill, 3 Edgewood, 4 Plymouth Co., 5 William Holmes.

Silver Wyandottes—Cock 1 J. F. Van Alstyne, 2 Thos. Harvey, 3 Flushing Yards, 4 Geo. W. Weed & Sons, 5 A. Lindstrom; hen 1 Dr. A. T. Beckett, 2 Maple Grove Farm, 3 Fernwood Farm, 4 Philip E. Morgan, 5 E. L. Tallman; cockerel 1 Beckett, 2 T. H. Flynn, 3 Van Alstyne, 4 Morgan, 5 A. J. Fisher; pullet 1 Van Alstyne, 2 Flynn, 3 Fisher, 4 Morgan, 5 Fernwood Farm.

Golden Wyandottes—Cock 1 Geo. H. Smith, 2-3 Ira C. Keller, 4 Brundage Bros., 3 Hillside Poultry Yard, 4 Fernbrook Farm; cockerel 1 Keller, 2 Brundage Bros., 3 Smith; pullet 1 Brundage, 2 Keller, 3 Smith, 4 E. L. Tallman.

White Wyandottes—Cock 1 F. H. Dillingham, 2 Oceanside Yards, 3 Horace Havemeyer, 4 Mack, Witters & Bretton, 5 D. L. Orr; hen 1 R. C. H. Hallock, 2 Orchard Hill Farm, 3 Abigail Adams Farm, 4 Mack Witters & Britton, 5 Orchard Hill; cockerel 1 Hallock, 2-5 Orchard Hill, 3 F. P. Pulsifer & Co., 4 Abigail Adams Farm; pullet 1 Hallock, 2 F. Y. Wynkoop, 3 Orchard Hill, 4 Runson Farm Yards, 5 Horace Havemeyer; pen 1 Hallock, 2 Orchard Hill, 3 Havemeyer, 4 A. C. Hawkins, 5 J. H. Jackson.

Buff Wyandottes—Cock 1-3 A. C. Hawkins, 2 Millville P. F. Co., 4 Geo. Weed & Sons, 5 R. B. Robbins; hen 1 Hawkins, 2 Millville, 3 J. H. Scott, 4-5 Robbins; cockerel 1 H. R. Ingalls, 2 Scott, 3-5 Hawkins, 4 Millville; pullet 1 Scott, 2 Millville, 3 Ingalls, 4 Hawkins, 5 Robbins; pen 1 Millville, 2 Hawkins.

S. P. Wyandottes—Cock 1-3-4 Aug. D. Arnold, 2 W. B. Richardson, 5 F. R. Vernon; hen 1 E. G. Wyckoff, 2 A. C. Hawkins, 3 Vernon; cockerel 1 Arnold, 2-4 Jmer F. Benson, 3 Hawkins, 5 W. Theo. Wittman; pullet 1 Wyckoff, 2 Hawkins, 3 Vernon; pen 1 Spangler Bros., 2 Wyckoff, 3 Hawkins.

Partridge Wyandottes—Cock 1 F. A. Keller, 2 F. W. Schofield, 3 Fernwood Farm, 4 J. B. Hadaway, 5 Brundage Bros.; hen 1 E. G. Wyckoff, 2-3 Hadaway, 4 A. P. Groves, 5 Schofield; cockerel 1 Wyckoff, 2 Poole & Rutherford, 3 Fernwood, 4 Groves, 5 Keller; pullet 1-3 Hadaway, 2 Wyckoff, 4 Schofield, 5 Brundage Bros.; pen 1 Hadaway, 2 Poole & Rutherford.

Columbian Wyandottes—Cock 1 Aug. D. Arnold, 2-5 M. A. Brayton, 3 Wm. B. Richardson, 4 Dr. C. J. Andruss; hen 1 McIntosh & Burgess, 2-4 Richardson, 3 Brayton, 5 Andruss; cockerel 1 John Evans & Son, 2-5 L. H. Davis, 3 Richardson, 4 Brayton; pullet 1 Evans, 2-4 Brayton, 3 Richardson, 5 McIntosh & Burgess; pen 1 Andruss, 2 Davis.

Black Wyandottes—Cock 1-2 Geo. Mahr; hen 1 F. C. Sites, 2 Geo. Weed & Sons, 3-4-5 Mahr; cockerel 1 Dr. Gilchrist, 2 Sites, 3-4 Mahr; pullet 1-3 Mahr, 2 Weed & Sons, pen 1 Dr. Gilchrist.

S. C. Buff Orpingtons—Cock 1-3 Wm. Cook & Sons, 2-4 Willow Brook Farm, 5 Worthington P. Yds.; hen 1 Wm. Barry Owen, 2 Cook & Sons, 3-5 Willow Brook, 4 Alfred Boulbee; cockerel 1-4-5 Owen, 2 C. E. Vass, 3 Willow Brook; pullet 1 Owen, 2 Samuel Bradley & Co., 3-4 Willow Brook, 5 Gedney Farm; pen 1 Willow Brook, 2-4 Cook & Sons, 3 Worth-

ington, 5 A. G. Goodacre.

S. C. Black Orpingtons—Cock 1-4 Willow Brook, 2 Wm. Barry Owen, 3-5 Cook & Sons; hen 1 Owen, 2-3-4 Willow Brook, 5 Woodstock House Co.; cockerel 1-3 Owen, 2-5 Cook & Sons, 4 Willow Brook, 2-3-4-5 Cook & Sons.

S. C. White Orpingtons—Cock 1-5 Willow Brook, 2-3 Cook & Sons, 4 J. H. Symonds; hen 1-2-4 Willow Brook, 3 Mrs. A. H. Williams, 5 Cook & Sons; cockerel 1 Cook & Sons, 2 Jonas Hayner, 3-5 Willow Brook, 4 Symonds; pullet 1-2-3-5 Willow Brook, 4 S. W. Bradley & Co.; pen 1 Willow Brook, 2-3 Cook & Sons, 4 Adelslea Farm.

R. C. Buff Orpingtons—Cock 1 Cook & Sons, 2 A. G. Goodacre, 3 Roecker & Gebhard, 4 Andruss; pen 1 Andruss.

R. C. Black Orpingtons—Cock 1 Cook & Sons, 2 C. E. Faber; hen 1 Cook & Sons, 2 Faber; cockerel 1 Cook & Sons, 2 Wm. Barry Owen; pullet 1-2-3 Owen, 4 Faber, 5 Cook & Sons.

A. O. V. Orpingtons—Cock and hen all to Cook & Sons; cockerel 1-3-5 Wm. B. Owen, 2-4 Cook & Sons, pullet 1-4-5 Owen, 2 Cook & Sons, 3 A. G. Goodacre, 4 Color Java—Cock 1, hen 1 Oke & McNeil.

Blue Andalusians—Cock 1 Feathery Flats Farm, 2 J. E. Bliss, 3 R. H. Quackenbush; hen 1 Quackenbush, 2 Bliss, 3-4 Feathery Flats; cockerel 1-3 Banner P. Yds., 2 Quackenbush, 4 Feathery Flats; pul 1-2-4 Banner Yds., 3 Quackenbush, 5 Feathery Flats; pen 1 Banner Yds.

S. C. W. Leghorns—Cock 1 I. F. Rice, 2 D. W. Young, 3 White Leg. P. Yds. Co., 4 Orchard Hill Farm, 5 H. J. Blanchard; hen 1 Rice, 2-3 Young, 4 Orchard Hill, 5 W. Leghorn Co.; cockerel 1-2 Orchard Hill, 3 E. G. Wyckoff, 4 W.

Leghorn Co., 5 Young; pullet 1 S. E. Smith, 2 Young, 3 Orchard Hill, 4 T. F. Thompson, 5 Edwards & Williams; pen 1 Wyckoff, 2 Blanchard, 3 Young, 4 Rice, 5 W. Leghorn Co., 6 Hampshire Co. P. Co.

S. C. Brown Leghorns—Cock 1 W. H. Wiebke, 2-3-5 B. B. Cridler, 4 T. S. Imlay, Jr., hen 1-4-5 Cridler, 2-3 C. A. Sutton; cockerel 1 John F. Homeyer, 2-3-4-5 Cridler; pullet 1 J. A. Strunk, 2-5 Cridler, 3 Wiebke, 4 Sutton; pen 1 Cridler, 2 A. M. Young.

S. C. Buff Leghorns—Cock 1-4 Thos. Peer, 3 E. G. Wyckoff, 2 Wm. F. Brace; hen 1-5 Brace, 2 Jas. Dundas, 3 Wyckoff, 4 Wm. L. Howell; cockerel 1 Dundas, 2 Wyckoff, 3-5 Peer, 4 Brace, pullet 1 Peer, 2 Wyckoff, 3-4 Brace, 5 Howell; pen 1 Howell, 2 Brace, 3 Wyckoff, 4 Peer.

S. C. Black Leghorns—All to E. G. Wyckoff, except pen 1 W. D. Davis.

R. C. White Leghorns—Cock 1-4 W. W. Babcock, 2-3 Rocky River P. Co., 5 E. L. Tallman; hen 1-3 Rocky River, 2-4 Babcock, 5 Tallman; cockerel 1-5 Babcock, 3 Snow Flake Farm, 2-4 Rocky River; pullet 1-2 Babcock, 3-4 Rocky River, 5 Tallman; pen 1 Flushing P. Yds.

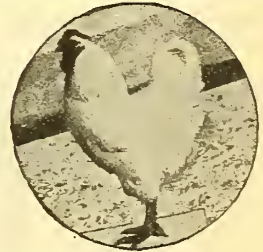
R. C. Brown Leghorns—Cock 1 F. C. Tabor, 2 Mrs. Geo. B. Inches, 3-5 E. D. Pierson, 4 W. W. Kulp; hen 1-2-3 Kulp, 4-5 Pierson; chl 1-2 Pierson, 3 Wm. T. Liddell, 4 Kulp, 5 Mrs. Inches; pul 1-4-5 Kulp, 2 Pierson, 3 Liddell; pen 1 Kulp, 2 Flushing Yds.

Black Minorcas—Cock 1-5 Grey-stone P. Farm, 2 A. Trethaway, 3 W. E. J. Collins, 4 Gedney Farm; hen 1 Trethaway, 2 Grey-stone, 3 Klee Bros., 4 Gedney Farm, 5 Collins; chl 1-4 Grey-stone, 2-5 Trethaway, 3 Orchard Hill; pul 1 Grey-stone, 2-3 Trethaway, 4 Orchard Hill; pul 1 Grey-stone, 2-3 Trethaway, 4 Orchard Hill, 5 Gedney Farm;

Six Great Breeds

Line Bred Since 1888

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Of all breeds these give the most pleasure and profit. Beginners and enthusiasts should consider nothing but high quality stock, so as to have from the start the only kind that experienced breeders will buy—the best and only the best.

Over 1200 Highest Quality Exhibition Birds. "Racehorse" stock, line-bred for positive results. Has won highest honors at St. Louis, New York, Boston, Chicago and other shows. Mated pens for breeding, \$30 to \$100. **Eggs** \$5 from two special matings, each breed, \$10 per 12 straight. From assorted pens \$5 per 12, \$10 per 36, \$20 per 100.

Over 5000 Birds for Great Egg Production. Have won an enviable and world-wide reputation for laying. Mated pens for breeding \$15 to \$35. **Eggs**, \$2 per 12, \$8 per 100, \$70 per 1000.

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Pratts Cow Tonic.

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Wyckoff's S. C. White Leghorns

Acknowledged everywhere the world's greatest laying strain. None better in standard qualities. By our 30 years of continuous breeding and selection we have placed them unquestionably in the lead as the most profitable strain of poultry in America. You assure your success by using them as your foundation stock. Eggs for hatching in any quantity from the choicest and most carefully selected matings. Eggs, \$2 per 15; \$3.75 per 30; \$5 per 45; \$10 per 100. Send for free catalogue and let us know your wants. Address

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BENNET'S BARRED ROCKS

—WON AT CHICAGO, 1905—

Second cock, 2d hen, 3d cockerel, 1st pullet and 2d pen. Birds of the same breeding, scoring to 93, for sale.

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Black Langshans

I won the \$25 Challenge Trophy Cup for highest scoring cock, cockerel, hen and pullet at the great Chicago Heights Show, 1905. Also silver cup for highest scoring pen in Asiatic class. Also won at the Chicago Show, 1904. Stock and eggs for sale. Send for circular and price list.

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Single Comb White Leghorns

America's most profitable variety. Cockerels and pullets for sale. Eggs \$2 per sitting; good hatch guaranteed. My birds are farm raised.

H. G. HAUSER,

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96 Point Pullet. The White Kind.

Ring's Rocks

Won at Chicago, January, 1905, 1st cock, 1st and 5th hen; 1st and 3d pullet, 1st pen on five entries.

Ring's Wyandottes

Won at Detroit, 1905, 1st and 2d ckl., 1st and 2d hen, 1st, 2d, 3d pullet, 1st pen on seven entries. Write for free catalogue.

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Decatur, Mich.

\$225.00 GIVEN AWAY

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To help poultry keepers and farmers make more money from their poultry, and to find out the best methods and profits in hatching and rearing chicks by artificial means in comparison with natural methods, this contest is undertaken by Farm and Home. It is the most unique thing of the kind ever conducted, and must prove of absorbing interest.

FULL PARTICULARS

of this contest will be found in our great Poultry Annual. Send 10 cents now for three months' trial subscription including this great issue, which alone is worth 50 cents. Address

FARM AND HOME

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PURITY STRAIN SINGLE COMB WHITE LEGHORNS

Are not the "World's Best," but just as good, being both great egg producers as well as prize winners. The greatest egg machines in America. Eggs for hatching from prize winners \$3 per 15, \$5 per 30. Eggs from grand utility matings \$2 per 15, \$3.50 per 30, \$6 per 100. Satisfaction guaranteed. Mention American Poultry Journal.

JOS. A. BURKHART

Smithsburg, Maryland

pen 1-2 Greystone, 3-4 Klee Bros., 5 Gedney Farm.

White Minorcas—Cock 1-3 Henry Dunne, 2 Wm. Sapper; hen 1-2 Dunne, 3 P. Van Buskirk, 4 Sapper, 5 F. H. Hodges; ckl 1 Dunne, 2 J. Edgar Waite, 3 Sapper; pul 1-2 Dunne, 3 Waite, 4 Sapper, 5 Hodges.

R. C. Black Minorcas—Cock 1 W. E. J. Collins, 2-3 J. J. Yelton, 4 G. B. Inches; hen 1 Collins, 2 Yelton; ckl 1 Brevoort Farm; pul 1 Yelton, 2 T. F. Sykes.

Golden Polish Plain—Cock 1 W. H. Card, 2-3 Crimmins; hen 1 W. H. Card, 2-3 Crimmins; ckl 1, pul 1 W. H. Card.

White Crested B. Polish—Cock 1 Louis Meir, 2 Chris. Kirschler, 3 Dr. J. T. Gilchrist; hen 1 Kirschler, 2 Meir; ckl 1-2 Kirschler, 3 Meir, 4 Ward Bond, 5 Homer Bros.; pul 1-2 Kirschler, 3 Meir, 4 Bond, 5 Homer Bros.; pen 1 Leon Helfrich.

Golden Spangled Hamburgs—All to Oke & McNeil.

Silver Spangled Hamburgs—Cock 1-4 Dr. J. S. Wolfe, 2-3 Robert Treat Paine, Jr., 5 Oke & McNeil; hen 1-2-3 Paine, 4 Oke & McNeil, 5 Dr. J. S. Wolfe; ckl 1-2 Paine, 3 Otto Budwesky, 4 Oke & McNeil, 5 W. Tunnell; pul 1-2-3 Paine, 4 Oke & McNeil, 5 Dr. Wolfe; pen 2 Mrs. Rowland P. Keasbey.

Golden Penciled Hamburgs. Silver Penciled Hamburgs, Black Hamburgs—All to Oke & McNeil.

Rhode Island Reds—Cock 1 C. N. Hanson, 2 Wm. Richardson, 3 Shady Lawn Farm, 4 Edw. Walking; hen 1 C. N. Hanson, 2 Lester Tompkins; ckl 1 Hanson, 2 Tompkins, 3 D. C. Raymond, 4 Richardson, 5 DeWolf Farm; pul 1 Hanson, 2 Tompkins, 3 F. H. Wells, 4 Edw. Walking, 5 Richardson.

Rose Comb R. I. Reds—Cock 1-3 R. C. Tuttle, 2 F. H. Wells; hen 1-4 Tuttle, 2 Louis Anderson, 3-5 F. D. Baerman; ckl 1-2 Tuttle, 3 Baerman, 4 D. P. Shove, 5 Amesley Anderson; pul 1-3-5 Baerman, 2 Tuttle, 4 Louis Anderson; pen 1-3-4-5 Baerman, 2 Tuttle.

Colored Dorkings—Cock 1 Henry Hales; hen 1 Hales, 2 Geo. B. Inches; pul 1 Inches.

Silver Gray Dorkings—Cock 1 Watson Westfall, 2 Inches, 3 Hales; hen 1 Hales, 2-3 Westfall, 4 Inches; ckl 1 Inches, 2-3 Hales, 4 Westfall; pul 1-3 Hales, 2-4 Westfall, 3 Inches.

White Dorkings—All to Henry Hales.

Creve Coeur—All to Oke & McNeil.

Houdans—Cock 1 Henry Cundell, 2 Harry Breck, 3 B. H. Delavan; hen 1-3 Gren Brook Poul, Yards, 2 Nelson Doubleday, 4-5 Breck, 5 Delavan; ckl 1 Delavan, 2 Bradley; pul 1 Breck, 2 Delavan, 3 Cundell; pen 1 D. P. Shove.

La Fleche, any color—All to Oke & McNeil.

Silkie—All to Eugene Sites.

Black or Brown Red Pit Games—Ckl 1 D. G. Hetfield, 2 Robt. Cornell, 5 Danl. Quinn, 3 D. Bonnet, Jr., 4 Top Notch Poul. Yards; pen 1 Top Notch Yds.; pul 1 Howard Rathbone, 2 Wintholme Farm, 3 Silas Wodell.

Silver or Gold Duckwing Pit Games—All to Wintholme Farm, except pul 1 to Brevoort Poul. Yds.

White Pit Games—All to Graffenberg Farms.

A. O. C. Pit Games—Cock 1-4 D. G. Hetfield, 2 G. W. Dufour, 3 Robt. Cornell; hen 1 Wintholme Farm, 2 Irving Somerindyke, 3-4 Hetfield, 5 Cornell; ckl 1 Rowland Keasbey, 2 D. Bonner, Jr., 3 Danl. Quinn, 4-5 Somerindyke; pul 1-3-4 Wodell, 2 Wintholme Farm.

Indian Games—Cock 1-3-5 H. A. Kirby, 2 H. M. Carpenter, 4 Oakland Poul. Yds.; hen 1-2-5 Kirby, 3 Oakland Poul. Yds., 4 Dr. C. H. Shelton; ckl 1-3 Kirby, 2 Carpenter, 4-5 Brent & Eddy; pul 1-2-3 Kirby, 4 Brent & Eddy, 5 Carpenter; pen 1 Carpenter, 2 Alta Crest Farm.

White Indian Games—All to Charles Morrison.

Black B. R. Games—Cock 1 W. H. Mudge, 2 James Glasgow; hen 1-2 W. J. Greenman, 3 Mudge, 4-5 Glasgow; ckl 1 Mudge, 2 Glasgow; pul 1-2 Mudge, 3-4 Glasgow.

Silver Duckwing Games—Cock 1 F. D. Kienzie; hen 1 H. & J. G. Smith.

Golden Duckwing Games—Cock 1-2 Greenman, 3 Kienzie.

Red Pyle Games—Cock 1 Glasgow, 2 Kienzie; hen 1 Glasgow, 2 Kienzie; pul 1 Kienzie, 2 Glasgow.

Birchen Games—Hen 1 Kienzle.
Old Eng. Games—Cock 1, hen 1-2 Davenport's Farms; ckl 1-3 Brevort Poul. Yds., 2 Davenport's Farms; pul 1 Brevort Poul. Yds., 2 Davenport's Farms.

Anconas—Hen 1, ckl 1 Henry Schbey; ckl 2 Wm. B. Owen; pul 1 Schey, 2-3 Owen.

Faverolles—Cock 1 J. H. Symonds, 2-3-5 Dr. A. H. Phelps, 4 Wisecres Poul. Farm; hen 1 Wisecres Poul. Farm, 2 J. H. Symonds, 4-5 Phelps; ckl 1-2 Symonds, 3 Wisecres Poul. Farm, 4-5 Phelps; pul 1-2 Phelps, 3-5 Symonds, 4 Wisecres Poul. Farm.

Lakenvelders—Cock 1-4 Phelps, 2-3 Newfield Farms; hen 1-2 Newfield Farm, 3-4 Phelps; ckl 1 Newfield Farm, 2 Phelps; pul 1 Newfield Farm, 2 Phelps.

A. O. V.—Cock 1 Oke & McNeil, 2 Aug. D. Arnold, 3 Glen Brook Poul. Farm; hen 1 Oke & McNeil, 2 Glen Brook Poul. Farm; ckl 1 Oke & McNeil, 2 Bryce Mars, 3 Dr. Gilchrist, 4 E. L. Tallman; pul 1 F. A. Keller, 2 Oke & McNeil, 3 Tallman.

Guinea Fowl, any color—Best pair 1 Peapack Farm.

Pekin Ducks—Old drake 1-4 South Side Poul. Farm, 2 Charles Morrison, 3 Orchard Hill Poul. Farm, 5 W. R. Curtiss & Co.; duck 1 F. H. Hodges, 2-3 South Side Poul. Farm, 4 Morrison, 5 Carl Mackay; drake (young) 1-2 South Side Poul. Farm, 3 Orchard Hill Poul. Farm, 4 W. R. Curtiss & Co., 5 L. O. Quigley; duck (young) 1 Orchard Hill Poul. Farm, 2 Curtiss & Co., 3 South Side Poul. Farm, 4 Red Hill Farm, 5 Quigley; hen 1 Red Hill Farm.

Rouen Ducks—Drake (old) 1-2 John Brett, 3 Edwin H. Morris; duck (old) 1 Morris, 2-3 Brett; drake (young) 1 Morris, 2-3 Brett; duck (young) 1 Morris, 2-3 Brett; hen 1 Spring Field Farm, 2 Clarence W. King.

Cayuga Ducks—Drake 1, duck 1 Clarence King; hen 1 King.

Muscovy Ducks—Drake 1 H. M. Carpenter, 2 South Side Poul. Farm, 3 Rowland Keasbey, 4 E. A. Haring; duck 1 South Side Poul. Farm, 2 Carpenter, 3 Keasbey, 4 Haring.

Aylesbury Ducks—Drake 1-2 H. H. Wallace.

B. B. Red G. Bant.—Cock 1-4 A. A. Barker, 2-5 Havemeyer Bros., 3 Wm. Hammall; hen 1 Barker, 2 C. W. Price, 3 Havemeyer, 4 John Filkin, 5 Hammall; ckl 1-5 Havemeyer, 2 Barker, 3 Hammall, 4 Hermitage Yds.; pul 1-3 Havemeyer, 2 Hermitage, 4 Barker, 5 Price; hen 1 E. C. Ricker.

Brown R. G. Bant.—Cock 1, hen 1-2, ckl 1-2, pul 3 Havemeyer Bros.; ckl 3, pul 2 G. M. Carnochan, Jr.; pul 1 Fred A. Wilcox.

Red Pyle Game Bant.—Cock 1 Havemeyer Bros., 2 Congdon Yds., 3-4 F. H. Hodges; hen 1-5 Congdon, 2-3 Havemeyer, 4 H. B. Spangler; ckl 1-4 Hermitage Yds., 2-3 Havemeyer, 5 Wm. Hammall; pul 1-2 Hermitage, 3-4 Havemeyer, 5 Congdon.

G. Duckwing G. Bant.—Cock 1 Wm. Hammall, 2 E. C. Ricker; hen 1-2 Ricker, 3 Hammall, 4 Havemeyer Bros., 5 Congdon; ckl 1 Hammall, 2 Havemeyer, 3 Hermitage; pul 1 A. A. Barker, 2 Havemeyer, 3 Ricker, 4-5 Hammall.

S. Duck G. Bant.—Cock 1 Congdon's Yds., 2 F. A. Wilcox; hen 1 Havemeyer Bros., 2-3 E. C. Ricker, 4 John S. Thompson, 5 Congdon; ckl 1 Thompson, 2 Hermitage Yds.; pul 1 A. A. Barker, 2 Wilcox, 3 Ricker, 4 Havemeyer, 5 Hermitage Yds.; hen 1 F. D. E. Stowe.

Birchen G. Bant.—Cock 1 Hermitage Yds., 2-4 Havemeyer Bros., 3 H. J. Condit, Jr.; hen 1 Hermitage, 2-4 Havemeyer, 3 Condit; ckl 1-2 Hermitage, 3 Havemeyer; pul 1-3 Hermitage, 2-4 Havemeyer, 5 Condit.

White G. Bant.—Cock 1 Congdon's Bantam Yds., 2 Havemeyer Bros.; hen 1-3 Havemeyer, 2 Congdon; ckl 1-2, pul 1-2 Havemeyer, 3 Maunder & Shall.

Buff Cochon Bant.—Cock 1 C. S. Purdy, 2 Chas. M. Smith, 3 Oke & McNeil, 4 Thos. I. McLeod, 5 John F. Homeyer; hen 1-4 Smith, 2 Oke & McNeil, 3 Homeyer, 5 L. S. Crandall; ckl 1 Homeyer, 2 Roose Bros., 3 Smith, 4 Crandall, 5 Chas. Jehl; pul 1 Smith, 2 Jehl, 3 Homeyer, 4 Coulthard Kissam, 5 Crandall; hen 1 C. H. Proper.

White Cochon Bant.—Cock 1 Edmund R. Collins, 2 Oke & McNeil, 3 Walter Roessler; hen 1 Smith, 2 C. F. Peters, 3 Collins, 4 Fernwood Farm, 5 Roessler; ckl 1 Oke & McNeil, 2-4 Roessler, 3 Smith; pul 1 Oke & McNeil; hen 1 John A. Kistler.

Black Cochon Bant.—Cock 1 R. J. Ruliffson, 2 C. Kissam, 3 C. J. Purdy, 4 C. & F. Peters, 5 L. S. Crandall; hen 1 Ruliffson.

2 Purdy, 3 Crandall, 4 F. H. Hodges; ckl 1 Ruliffson, 2 Kissam, 3 J. F. Kirkpatrick, 4 Crandall; pul 1 Ruliffson, 2 Kirkpatrick, 3 Crandall.

Partridge Cochon Bant.—Cock 1-3 J. F. Kirkpatrick, 2-4 C. M. Diffenderfer, 5 Elmwood Farm; hen 1-2 Diffenderfer, 3 Kirkpatrick, 4 Congdon's Bantam Yds., 5 Theo. Haight, Jr.; ckl 1-2 Diffenderfer, 3 Elmwood, 4 Kirkpatrick, 5 Congdon; pul 1-3 Diffenderfer, 2 Elmwood, 4 Kirkpatrick, 5 Congdon.

G. Sebrights—Cock 1-2 C. H. Proper, 3 L. S. Crandall, 4 H. R. Dewall, 5 Congdon; hen 1 Congdon, 2 Crandall, 3-5 Proper, 4 Oke & McNeil; ckl 1-2 Proper, 3 Oke & McNeil, 4 Dewall, 5 C. F. Guild; pul 1-3 Proper, 2 Oke & McNeil, 4-5 Dewall; hen 1-2 Proper.

S. Sebright—Cock 1 Oke & McNeil, 2-3 C. H. Proper, 4 F. H. Hodges; hen 1-3 Proper, 2 Oke & McNeil, 4 Congdon, 5 Hodges; ckl 1 Oke & McNeil, 2-3 Proper, 4 H. R. Dewall; pul 1-2 Proper, 3 Hodges, 4 Oke & McNeil, 5 Dewall; hen 1-2 Proper, 3 D. A. Nichols.

R. C. Black Bant.—Cock 1 Oke & McNeil, 2 E. R. Collins, 3 Miss Selma Wieners; hen 1-4 Miss Wieners, 2 Collins, 3 Oke & McNeil, 5 Wellington Kennedy; ckl 1 Oke & McNeil, 2-3 Kennedy; pul 1 Kennedy, 2 Oke & McNeil, 3-4 Miss Wieners.

Jap. White Bant.—Cock 1, hen 1, ckl 1, pul 1 Oke & McNeil; ckl 2, pul 2 Wm. F. Albers; pul 3 F. H. Hodges.

Jap. Black Bant.—Cock 1 Wm. F. Albers; pul 1 E. R. Collins.

Black Tailed Jar. Bant.—Cock 1 Oke & McNeil, 2 Linden P. Yds.; hen 1 Linden, 2 Oke & McNeil; ckl 1 Oke & McNeil, 2 Linden, 3 F. H. Hodges; pul 1 Oke & McNeil, 2 Linden, 3 Hodges.

A. O. C. Jap. Bant.—Cock 1 Henry Hales, 2 E. R. Collins; hen 1 Hales, 2-3 Collins; ckl 1, pul 1 Hales.

Jap. Silke Bant.—Cock 1, hen 1 E. R. Collins.

A. C. Polish Bant.—Cock 1, hen 1, ckl 1, pul 1 Oke & McNeil; cock 2, hen 2, ckl 2, pul 2 C. S. Purdy; pul 3 Dr. J. T. Gilchrist.

A. C. Booted Bant.—All to Oke & McNeil.

Lt. Brahma Bant.—Cock 1-5 D. L. Orr, 2-4 G. W. Hillson, 3 A. N. Hickok; hen 1 Hillson, 2-5 Orr, 3-4 Hickok; ckl 1 Warren Hayden, 2-4 Hillson, 3 Orr, 5 E. C. Cary; pul 1 Diederich Heinrichs, 2-3 Hillson, 4-5 Orr; hen 1 Hillson, 2 Orr.

Dark Brahma Bant.—All to Lone Oak Bantam Yds.

Cor. Ind. Game Bant.—Hen 1, ckl 1, pul 1 Spangler Bros.; hen 2 Maunder & Shall. Barred Ply. R. Bant.—All to C. H. Latham.

A. O. V. Bantams—Cock 1 Oke & McNeil, 2 Chas. Magee; ckl 1 E. L. Tallman; pul 1 C. & F. Peters, 2 F. H. Hodges, 3 C. P. Nettleton, 4 E. L. Tallman.

Bronze Turkeys—Hatched prior to 1903, cock 1 Excelsior P. Farm, 2-3-4 Mrs. U. R. Fishel; hen 1-2-3 Mrs. Fishel; hatched 1903, cock 1 Excelsior, 2-3-4 Mrs. Fishel; hen 1 Excelsior, 2-3-4 Mrs. Fishel; hatched 1904, cock 1 Excelsior, 2-3-4 Mrs. Fishel; hen 1-3-4 Mrs. Fishel, 2 Excelsior; hen 1 Excelsior.

White Turkeys—Cock 1 F. H. Hodges, 2 and hen 1 Worthington P. Yds.

Slate Turkeys—Hen 1 Miss Sara A. Little.

Toulouse Geese—Old gander 1 Springfield Farm, 2 C. W. King, 3 Rev. Wm. Philn Mackay, 4-5 Glen Brook P. Farm; goose 1 King, 2 Elmvalle P. Yds., 3 Springfield Farm, 4 Mackay, 5 Glen Brook; young gander 1, goose 1 C. W. King.

Emden Geese—Gander 1 Springfield Farm, 2 E. L. Tallman, 3 Cyril Crimmins; goose 1 Springfield Field, 2 Tallman, 3 Crimmins.

Chinese Geese—Gander 1-2, goose 2-3 Alta Crest Farm; gander 3, goose 1 Springfield Field.

The exhibit of the Columbia School of Poultry Culture at the New York Madison Square Show occupied a desirable position at the left of the main entrance. The booth was 20 feet in length and consisted of three arches. The entire structure was decorated with red, white and blue bunting. One of the principal attractions of this exhibit was the set of chick embryos, twenty-one in number, which clearly illustrated the development of the chick during each successive day until the time of hatching. These specimens were preserved in formalin. Several microscopes were also used and slides exhibited showing feathers, poultry parasites and also particularly interesting phases of the development of the embryo. Among the latter slides may be specially mentioned one with a small piece of skin taken from a seven-day embryo showing the beginning of the feather development. This part of the exhibit was looked after by Mr. George H. Lamson, Jr., a man who has for years made a special study of the subject. Photos of

the large model poultry farm connected with the school, together with recommendations from students and from gentlemen who have hired Columbia students, were shown under glass. Messrs. Brainard and Stoneburn with two assistants were kept busy answering questions concerning the school and its work and passing out literature. A large number of visitors were enrolled as students and names of many prospective students taken.

H. Murray Conners of Castana, Ia., has been breeding poultry for years, and has won the blue ribbon each and every time he showed. He has the best blood that is to be secured from the best breeders. He has Barred Plymouth Rocks and has won under Shellabarger, Russell and Tucker. His birds this year are bred from the finest mates of Richardson and Latham. If you want choice show birds at the right price Mr. Conner can furnish them.

Tone up the horse's appetite
Pratts P. V. Condition Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

Why Poultry Pays

AND

How to Make it Pay

Contains just the information you should have and must have, to succeed with poultry. The regular price of the book is 50 cents. We will send it upon receipt of price or will send it and give a year's subscription to American Poultry Journal, both for 75 cents.

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AMERICAN POULTRY JOURNAL PUB. CO.,
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HOW TO BUILD
Poultry Houses

Price 50 Cents

This book contains plans and instructions for building all kinds, styles and sizes of poultry houses, and will be worth dollars to you in telling you how to build best at the least cost. You need it even though you wish to build only a shed. We will send it and a year's subscription to American Poultry Journal for 75 cents.

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Now For
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Fifty cents will pay for it for twelve months and, if you are interested in poultry, you cannot make a better investment. Any single number of the Journal is worth more than the subscription price for a year. Examine it and see for yourself.

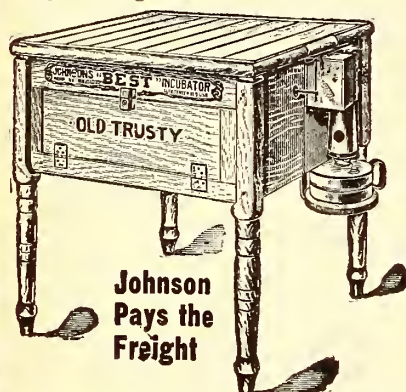
AMERICAN POULTRY JOURNAL is the leader and contains more valuable instruction than any other publication devoted to standard-bred fowls. If you send in your subscription at once the beautiful colored picture, "A Yard of Chicks," will be sent free. Address

AMERICAN POULTRY JOURNAL PUB. CO.,
325 Dearborn St., Chicago.

Pratts Food—original stock
food of America.
Over 30 years old.

Old Trusty Incubator.

The new machine by an old hand. Made by Johnson, the Incubator Man. Only a year old, and it didn't have to be improved for 1905. Johnson made it right to begin with.



Johnson
Pays the
Freight

You Can't Know Too Much About Johnson's Pay-for- itself Hatcher.

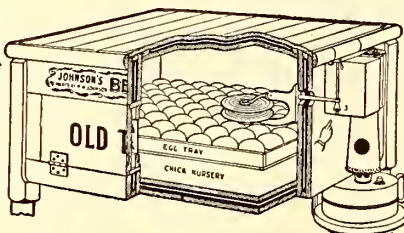
The more you know about it the better you like it. Johnson wants you to know all about it. **Take a square look at the cuts and read:**

Made of select California redwood and 12-oz. cold-rolled copper. Miller Safety Lamp, Taylor Bros.' guaranteed incubator thermometer, double doors, sides, bottom and top. There could be no better material or construction.

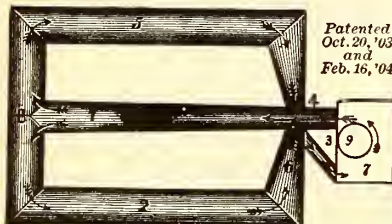
Forty Days Free Trial

And Johnson Guarantees Every Machine 5 Years.

This cut shows the workings. Johnson's system is planned for results and convenience. Note positions. All parts below the level of the lid, leaving the lid for a table. Automatic regulator comes already attached and connected, a single adjusting nut on the outside of the machine. The double wafers well out over the eggs and down close to them. Regulator counter-balanced within itself.



Copper Pipe Heating System

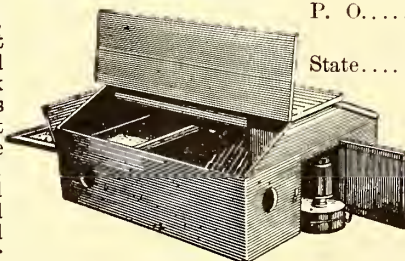


Patented
Oct. 20, '03
and
Feb. 16, '04

The hot water discharged to opposite end of the egg chamber, divided and returns back to boiler, No. 7. Pipes 2 and 5 and 1 at point No. 4 equal in radiation to pipes 2 and 5 at any point. Boiler No. 7 fitted with patent return hood, saves half the kerosene and draughts of air do not affect the lamp.

OLD TRUSTY BROODER

Made of best California redwood, never shrinks, swells or pulls apart at joints. Miller Safety Lamp in solid iron lamp box, no gas can enter chick chamber. Inclined floor prevents chicks from piling up. Enough heat under floor to take chill off. Note the hover cloth frame, partly withdrawn. Chicks hover under cloth warmed from above. Chick backs are warmed and sleepy nerves soothed the natural way. Chicks don't pile up, chill or become overheated.



Nearly 13,000 Old Trusties

Incubators and Brooders, used the first season. That's the record for a new machine. The only machine that ever got into the first rank the first year. They went out on Johnson's long trial plan and with Johnson's guarantee. They went at a reasonable price, too, for you know

JOHNSON PUT INCUBATOR PRICES DOWN.

None came back for no better machines can be made at any price. Johnson has made 80,000 Incubators and Brooders. He put all his experience into his new Old Trusty—the only machine he has anything to do with now. Get his new catalog and Advice Book. Over 100 pages, 300 reproduced photographs, records, house and yard plans, etc. Mailed FREE.

M. M. Johnson Company, Clay Center, Neb.

Special Order Blank

Since this advertisement has appeared in a number of papers, hundreds are writing Johnson that it is a better and more satisfactory description than is found in many catalogues—good enough to order on.

Johnson is a progressive man; borrows ideas from no one, but listens to suggestions from every one. Hence he has decided to attach an order blank and make special prices, freight paid to any Railroad Station in the United States that is east of the Rocky Mountains.

Complete easy instructions accompany each machine. Your money's worth or the money back when you deal with Johnson.

To secure the prices, use this Order Blank. Send Bank Draft, Express or P. O. Money Order

Special 1905 Prices

120 Egg Old Trusty Incubator	○ \$9.50
175 " " " " "	○ \$11.75
240 " " " " "	○ \$14.50
100 Chick Old Trusty Brooder	○ \$5.00
150 " " " " "	○ \$6.25
200 " " " " "	○ \$7.50

**Each Machine Furnished
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Fixtures of First
Quality.**

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If your shipping station is different
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Amount enclosed \$.....

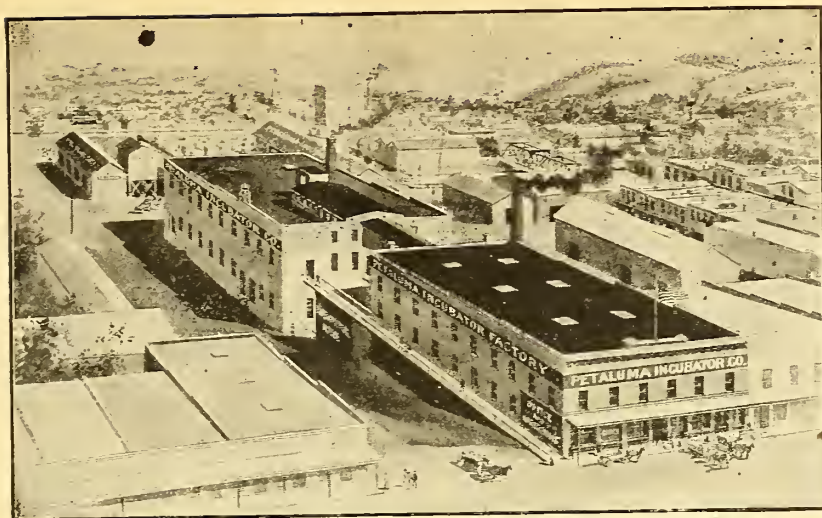
(Mark the selection in the
little circle with the prices.)

NOTE: Johnson has a distributing house at St. Joseph, Mo. Orders from the southwest, south and east that reach Clay Center Office one day are filled from St. Joseph next day.

Quick service a specialty.

C. O. D. Orders filled when one third the price accompanies the order.

REFERENCE: This Paper or any other Paper.



PETALUMA INCUBATOR CO'S NEW PLANT,
PETALUMA, CALIFORNIA

THE PETALUMA INCUBATOR FACTORY.

The growth of the Petaluma Incubator Company's business has recently been so enormous as to require the erection of a large new factory, shown in the illustration, and which is recognized to be the acme of convenience in factory construction. Twenty-seven years of incubator experience has demonstrated the necessity of plenty of room, good light, practical machinery, convenient methods of handling the work, good mechanics and first-class materials to produce the best incubator in the world. That is the combination that exists in the Petaluma Incubator factory. The celebrated California redwood lumber, copper, iron and other materials out of which Petaluma Incubators and Brooders are made enters the factory on the ground floor, where it passes through the varied woodworking and metal working machinery necessary to complete the parts with exactness, then by the use of elevators and other rapid means it is conveyed to the second floor or assembling department, where mechanics of the best class receive it, and here, as on the ground floor, a series of progression takes place, each mechanic performing his particular part of the work in which he has become an expert, and when an incubator or brooder has taken this circuit it is passed to the paint and varnish department, and afterward to the packing and crating department, by being elevated to the third story, and thence through the viaduct or upper bridge into the storage and shipping department, occupying the entire upper story of the large brick building over the office and sales-room, from which place the goods in turn pass down the endless quick-jim and away to the customer.

The making of Petaluma Incubators and Brooders is one continuous progression from start to finish, from raw material to the consumer, not a single step backward, but always advancing. That is the history of the Petaluma Incubator Company, whose matchless incubators and brooders are in successful use in every state in the Union and in every corner of the globe. Hatching chickens twenty-seven years ago more successfully than by hens surprised many people, but it was done by the Petaluma Incubator, and it has been doing the same thing ever since, demonstrating itself to be the most perfect and successful incubator made.

The Superior Jury of Awards at the St. Louis Exposition awarded the Gold Medal, the highest honor that could be accorded, to the Petaluma Incubator as a peculiar mark of distinction, and very justly so, for no incubator is so well made, of such superior materials, nor shows such efficiency in hatching as the Petaluma; besides, it is the most economical to operate. The Petaluma possesses features not to be found in any other machine, and everywhere, in all countries, in all climates and at all altitudes, the same universal results are obtained.

Besides the large factory and main office at Petaluma, Cal., branch stores are operated at 33 Market St., San Francisco, Cal., and 147 N. Delaware St., Indianapolis, Ind. A beautiful catalogue can be had by writing to any of these places.

ver Laced Wyandottes, Rhode Island Reds and Light Brahmas. This stock is from some of the most noted breeders and winners at shows, including some of the highest scoring birds at Chicago and other shows. In the building of this immense plant, upon which thousands of dollars have been intelligently spent, they have catered to clean quarters, good food, fresh water and careful attention. The loss from sickness is a very small item. No expense has been spared in erecting the most up to date buildings, and stocking them with the best poultry, and they have one of the most expert poultrymen in charge, who has had years of experience. They have been a number of years reaching this point, and are now satisfied that they have stock that they can sell and guarantee and stand by the guarantee. Prices of eggs and stock are very reasonable. The home of the plant is in Bangor, Mich., but all letters should be addressed to 1408 Fisher Bldg., Chicago, Ill.

The Millville poultry yards, Millville, N. J., has purchased from Ross C. H. Hallock the cockerel and pullet out of the first prize White Wyandotte pen at Madison Square Garden, paying \$200 for the cockerel and \$100 for the pullet.

Sure, quick hoof grower
Pratts Peerless Hoof Ointment.
Made by Pratt Food Co., Phila. Over 30 years old.

White Wyandottes.

Light Brahma Bantams

D. Lincoln Orr, Orr's Mills, N. Y.

Partridge Wyandottes

Some choice cockerels to spare from \$2 to \$10—
first come, first served. Eggs in season.

Winning Chicago, 1905.	Winning Chicago, 1904.
4th Cock, 3d Hen	1st Cockerel

D. S. LOVEJOY. 538 South St., Elgin, Ill.

MUELLER'S

Houdans and White Wyandottes

My pens have been mated properly for best results, containing many prize winners that score as high as 94, 94½, 94¾, 95¾. Eggs, \$2 per sitting or \$8 for 3 sittings. I have sold out all my surplus stock

EMIL H. MUELLER, Box 712 C, Boonville, Mo.

Larmer's BUFF ROCKS

World's Fair first prize and Missouri cup winners. Best in the west, 93 to 94½. See egg circular.

ROBT. LARMER, Stanberry, Mo.

Silver Wyandottes

Two big Chicago shows—eight first prizes. Stock to spare at right prices. Eggs for hatching. Write for particulars.

W. H. MILLARD, Genoa, Ill.

Partridge Wyandottes

On two entries at the great Chicago show, January, won second cockerel. Eggs from pen headed by sire of this cockerel and other pens containing females of superb markings and shape headed by extra choice males, \$3 per setting.

DR. GASKIN & CO. Plainfield, Illinois

For Farmers —AND— Homeseekers

The January number of The Southern Field contains an article of great interest to Farmers and Stock Raisers, on the relative place of Southern Agriculture to that of the United States and showing the relative profits of farm products in the South as compared with returns in other sections. This article is of unusual interest, showing from government and other sources a condition of affairs as respects nearly all farm crops and all lines of agriculture not generally understood. Copies free upon request to

H. U. RICHARDS,

Land and Industrial Agent, Southern Railway,
Washington, D. C. or

CHAS. S. CHASE,

Agent, 722 Chronicle Building, St. Louis,
Mo., or

M. A. HAYS,

225 Dearborn Street, Chicago, Ill.

HAVE YOU SENT YOUR NAME FOR THIS FREE BOOK?

Every reader of the AMERICAN POULTRY JOURNAL is entitled to a free copy of "The Standard Feeder," a book of 160 pages, full of useful information concerning the care, feeding and profitable management of livestock of all kinds. It contains 10 special chapters, written by experts; more than 300 illustrations, besides tables, statistics, directions for computing balanced rations and other matter which the stock growing feeder and farmer will find of money-making value to him. All you are asked to do to get this book is to write a postal card to the Standard Feeder, ... Howard St., Omaha, Neb., saying how much stock and poultry you keep. Do it today while you think about it. You'll be glad you did it.

WEST MICHIGAN POULTRY FARM.

In Michigan has been established one of the largest poultry plants in the west, at Bangor, Mich. To give an idea of its magnitude, we would state its capacity. The plant has over 1,000 feet of breeding houses, over 250 feet of hot water heated brooding houses, 50 individual brooders, 50 colony houses, one incubator cellar with 1,200 square feet, and one of 600 square feet. The plant has a capacity of over 10,000 eggs a month. This plant is stocked with some of the best Barred and White Plymouth Rocks, White Partridge and Sil-

Admission of R. I. Reds to American Standard of Perfection.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: A statement from the writer may be helpful in informing readers respecting the two applications of the Rose Comb Rhode Island Reds for admission to the Standard of the American Poultry Association, and in explaining the present status of the American Reds.

The application of the American Red Club was for the admission as American Reds of the "breed of fowls heretofore known as Rose Comb Rhode Island Reds," under a standard different from the standard under which the single comb Rhode Island Reds were admitted to the Standard of the American Poultry Association. The other application was for the admission of the rose comb Rhode Island Reds under that name and under the same standard adopted for the Single Comb Rhode Island Reds, with of course a statement as to the difference in comb.

The application of the American Red Club prevailed and the Rose Comb Rhode Island Reds were admitted as American Reds, under which latter name they are now to be known officially.

The motion made at the meeting and passed in the regular way was framed in the following language: "In accordance with the application of the American Red Club for admission to the Standard under the name of American Reds of the breed heretofore known as Rose Comb Rhode Island Reds, I move that the said Rose Comb Rhode Island Reds be admitted to the Standard

of the American Poultry Association under the name of American Reds, and with the Standard proposed in this application and made a part thereof, the said Standard to be modified so as to make it conform with the forms of the said Standard of the American Poultry Association, but not in such manner as to change its meaning in any part."

The motion was carried by unanimous vote, and the secretary was thereupon directed to cast the ballot admitting the Rose Comb Rhode Island Reds as American Reds, under the application of the American Red Club. It is proper to say that this movement in the interest of changing the name of the Rose Comb Rhode Island Reds to American Reds, and for a new standard separating these birds from the Single Comb Rhode Island Reds, has been advertised as much as possible since last March, when the application for admission was made to the American Poultry Association. Advertisements have been run in several papers on the subject and it is fair to say there is scarcely a Rose Comb breeder who did not know of the movement. A systematic plan of giving due notice to every breeder was adopted and each was requested to offer suggestions or to send in his objections to the plan but not a single protest against the movement has ever been received by the writer from any exclusive Rose Comb breeder or from any exclusive Single Comb breeder, and so far as the writer is informed, none of these breeders has ever made a protest to any person.

The membership of the club at the time of the Minneapolis meeting was over seventy-five, including most of the

best known breeders, and many were waiting to see the result of the application before uniting in favor of the movement, promising their support in case the application succeeded. It is fair to presume that the membership will be doubled within the next two months, and the club will proceed on progressive and energetic lines in the interests of this breed, whose destinies have now been placed in its charge.

The greatest pains were taken to have this case decided on its merits, so that, for the sake of the breed, it would not be possible for any person afterward to say that any action had been taken without due deliberation, or that any snap judgment had been attempted. It was thoroughly understood that the writer had not attempted, and would not attempt, to secure a vote by any bargain whatever, or by offering any poultry editor, or any other person, any support in return for his vote or his influence. The matter was well understood by all who voted on the proposition, and there is no doubt that the supporters of the motion will be as fully satisfied with their action at any future time as they were the time the vote was taken.

To show the attitude of the poultry press on the question, it is pertinent to state that there were present at the meeting at least nine editors and accredited representatives of poultry papers, including editors of poultry departments in agricultural papers, there were present at least eleven editors and representatives of poultry papers, every one of whom gave the motion his vote and his support.

DUSTON'S WHITE WYANDOTTES

Duston's White Wyandottes always in the winnings, the great World's Fair no exception; birds of my breeding and from stock sold by me win the prizes in the biggest class the world ever saw. That is the kind of goods Duston has, and a few testimonials tell the story of the kind of stock he has and is sending out this year.

—, Mass, Nov. 7, 1904.

Mr. Arthur G. Duston, So. Framingham, Mass.

Dear Sir: Please ship the cock and cockerels as soon as possible. I have visited most all of the large Wyandotte breeders this fall, and I must say that I have not seen a healthier or better lot of fowls than I saw at your place. Thanking you for your past fair dealings, and hope to have many more. Please ship the birds by American Express to —

(Signed) H. W. K., Supt. of Poultry.

—, Ill, Nov. 6, 1904.

Dear Sir: The cockerel came on O. K., and I am proud of him. He is truly a \$10.00 bird, and not a \$5.00 bird, which I could properly have expected. Thanking you for the honorable deal and the very courteous treatment accorded me, I remain,

Yours very truly, J. E. H.

—, Tenn., Nov. 7, 1904.

Dear Sir: The cockerel came yesterday, and he is a beauty. Am well pleased with him. Thanking you for your selection, I am, Yours respectfully, J. F. C.

—, New York, Nov. 2, 1904.

Dear Sir: It was my pleasure to receive this morning the case containing three pullets and one cockerel. * * * * * You have dealt most generously with me. I am deeply grateful to you. * * * * * They are the most beautiful birds I have ever seen of that breed. I am proud of them, and my one aim will be to bring my entire flock up to their standard. I hope I can send you favorable reports in the future as to my progress, and will use every effort towards influencing my friends who are otherwise interested, to deal with you. Thanking you again for the beautiful pullet, also the kindness extended, I remain

Respectfully yours, H. L. C.

—, New York, Oct. 19, 1904.

Dear Sir: I write these few lines to let you know that I have received the White Wyandotte cockerel. He came in fine condition, and I think he is a BEAUTIFUL BIRD. I am very much pleased with him, and THANK you very much for sending me such a beautiful bird. Yours truly,

G. M. Z.

—, Providence of Quebec, Oct. 25, 1904.

Dear Sir: The birds arrived in good condition. I am very much pleased with them. Yours very truly,

V. W. F.

—, New York, Nov. 9, 1904.

Dear Sir: The birds arrived safely last Wednesday. I am well pleased with them. Since their arrival they have laid thirteen eggs. Thanking you for sending me such nice birds, I remain Yours truly,

G. K.

These are a few of the splendid letters that I have received, and they give you, my dear reader, an idea of the kind of goods that Duston has; and is the same kind of stock that has started so many of our largest White Wyandotte breeders on the road to success. Aren't you interested to make as good a start? Stock at all times. Eggs \$5 a setting, two settings \$8, three settings \$10, five settings \$15, \$20 in hundred lots. Remember the best is the cheapest.



A NEW YORK PRIZE WINNER BRED AND OWNED BY
ARTHUR DUSTON, MARLBORO, MASS.

ARTHUR G. DUSTON
Box 1020 - South Framingham, Mass.

This club purposes to have no quarrel with the Single Comb breeders. They have their standard and we have ours, and each club will proceed in the way that seems best suited for the advancement of the breed it represents.

There is no valid reason why Single Comb breeders should be admitted to membership in this club, and since one of the main purposes of this movement was to separate the Rose Combs from the Single Combs, in name and in characteristics, it seems to the friends of the American Reds that the interests of both breeds will be better protected by excluding from membership in this club all who breed the Single Combs, at least until such time as the whole country is fully informed of the differences between the two standards, and all breeders have accepted the plan for separating the Rose from the Single Combs. It is much better in any case for one breeder to have but a single breed of birds so nearly alike that it is easy on the part of unscrupulous men to send both combs from the same pen, and the supporters of this movement believe that the best interests of all would be conserved by such a restriction. The plan will tend to decrease the number who breed both varieties, and at the present stage of the development of these birds, a breeder needs to give his careful attention to but one of the breeds in order to bring it forward in the most satisfactory way. The promoters of this plan are in many cases sinking their own interests for the advancement of the breed, and this fact will in the end be fully understood. The writer may be permitted to say that he has given his labor and money as no man has ever given his time and money in absolutely unselfish devotion to the breed, and though now he feels that others should do their part of the work required, yet he does not propose to relinquish his efforts or lose his interest.

The standard is framed for the future and will never need to be changed, and there is set up an ideal which will allow constant improvement and make it possible to breed from year to year to a definite plan. And being framed for the future, in some respects the standard makes it hard for breeders at present to sell specimens satisfactory to themselves, yet there is but one way to develop fine poultry, and that is to work to make every specimen as good as the best ideal specimens that have been or can be produced.

The weights will not please some, but those weights were not established in the interests of the writer, several men of the best reputation already having found it easy to bring out birds above the required weights, and deeming it advisable to place the birds at a weight which will allow them to compete as market poultry with the large American breeds, one man even having gone so far as to suggest that the weights should be put near those of the Orpingtons. These men also claim that the egg producing qualities of the birds are more satisfactory in the larger specimens than in the smaller ones. Certainly it seems as though the breed should maintain a standard for weight equal to that of the Rose Comb Black Minorcas.

**Cures distemper and pink eye
Pratts Distemper Cure.**

Made by Pratt Food Co., Phila. Over 30 years old.

Take also the matter of the black in the hackle (erroneously called "ticking," since the black almost always appears as a lacing.) Some will find it hard for a year or two to get rid of this, and the writer will be among the number, but several breeders known to the writer have very much less of this black in their birds, some having it almost entirely eliminated simply because they have not taken pains to preserve it.

The Single Combs now have the name and can make the most of it, and they have certainly no reason to complain of the new movement in favor of the Rose Combs. The Rose Combs have their own name, American Reds, and a distinct standard, and the breeders of this fowl will soon find, if they have not already discovered, that the separation of the breeds will mark a great step in advance for the Rose Comb Reds, and if there is any opposition which has not become known to the writer it will certainly disappear in the light of future progress.

Let all proceed in the interest of a true and uniform type of birds that will add grace and beauty to the show room while fulfilling to the fullest extent all the requirements of a great utility bird.

The proposed standard will be sent to all Rose Comb breeders who apply for it, though it must be understood that this standard is to be modified to some extent to make it uniform in style with the other standards of the American Poultry Association.

F. D. BAERMAN, Secretary,
American Red Club.

Dunellen, N. J.

J. M. HOLT'S WINNINGS.

J. M. Holt of Marshalltown, Ia., has for so many years demonstrated the value of his stock by his winnings, that it is a pleasure to again refer to his winnings of this season. Mr. Holt has bred Barred Plymouth Rocks for many years, and has always succeeded in making a record in the show rooms. Almost without exception they are birds of his own breeding, as he rarely pushes exhibit specimens. This season he has been able to make but two displays, one at Wayne County Poultry Association, Humeston, Ia., Dec. 19-23, 1904, with W. S. Russell as judge, as follows:

First, cockerel, 93; 2nd, pullet, 92½; 3rd, pullet, 92½; 4th, pullet, 92½; 1st, pen, 185¼.

At the Webster Poultry Association, Webster City, Ia., Jan. 9-14, 1905, I. K. Felch, judge, as follows:

First, cockerel, 93; 1st, pullet, 94½; 2nd, pullet, 93½; 3rd pullet, 93; 1st, pen, 186¼.

The above winnings demonstrate the fact that his birds won on their merits, as he did not attend either show in person or send any one to take charge of his birds, and they took chances with the others in a strong competition. All of the birds he raised himself.

CLEMENT & FIKE'S CATALOGUE.

In no way can the energy and determination to give the best be better determined than by the catalogue or printed matter that breeders send out in response to inquiries received through their advertising. This is very plainly demonstrated in the case of Clement & Fike, Libertyville, Ill., breeders of White Wyandottes and Pekin Ducks.

Their latest catalogue, from the press of the Recorder Publishing Co., Chicago, is printed on splendid paper: it is written briefly and to the point, beautifully illustrated and with an artistic cover. This catalogue contains illustrations from photographs of their principal winning birds at St. Louis and other places; views of their Poultry Plant, and in one illustration the portrait of Mr. Fike claims equal attention with a 95 point bird, making a pair that that you cannot pass by.

As a work of art it should be in the hands of every reader of the AMERICAN POULTRY JOURNAL, and once you have seen it it will certainly lead to your open-

ing up business relations with these gentlemen. Very seldom have we seen a handsomer and more to the point catalogue than this last one of Clement & Fike's.

Geo. A. Heyl, of Washington, Ill., one of the largest breeders of land and water fowl in Illinois and also Shetland ponies and Poland-China hogs, won twenty-four prizes on twenty-seven entries at the state show held at Peoria recently. Mr. Heyl was also elected to officiate as judge at the next state show. While Mr. Heyl is perhaps not so well known to our readers as he will be later on, his ad having commenced in last issue, he is certainly one of the men whom every one should know, and the best way to get an introduction is to send 15 cents for his catalogue, consisting of ninety pages and nicely illustrated. This treats on all diseases of poultry and how to cure them, how to mate and grow prize winners, as well as a complete price list of the 2,000 land and water fowls he has for sale. It also contains full description and illustrations of his Shetland ponies and Poland-China hogs.

C. N. Hansen, Warsaw, Ky., on four entries of S. C. Rhode Island Reds and shipping his birds one thousand miles from Warsaw, Ky., to Madison Square show at New York City for the first time, he won 1st cock, 1st hen, 1st cockerel, 1st pullet and three specials for color and shape. This certainly is a remarkable record.

**Sure, safe, quick
Pratts Heave Cure.**

Made by Pratt Food Co., Phila. Over 30 years old.

A TRIAL TELLS

Pittsburg, Pa., January 9, '05
Mr. M. E. Sullivan, Quincy, O.

Dear Sir:—The Roup Cure I received of you worked wonders for my fowls. I have tried many roup remedies but yours beats them all. I had several cases that were very bad and they were O. K. in about ten days; others that had bad colds were well in five days. I can recommend it to be a sure cure.
W. H. BRANTHOVER.

A package of DEATH TO ROUP will cost you 50 cents prepaid and guaranteed.

M. E. SULLIVAN,
Quincy, - - Logan Co., O.

**60
DAYS
FREE
TRIAL**

**THE
BEST**



**BY
TEST**

**Our 60 Day Free Trial
Plan of Selling Direct**

allows the purchaser ample time to prove by more than one test whether or not our machines will do all that we claim for them. It isn't a hurry test—allows thorough investigation of every feature of the machine. We sell the

**CLIMAX
INCUBATOR**

as we always have the Climax Brooder, strictly on its merits. Of course we know what it will do, or we would not make such broad claims for it and give you 2 whole months to find that we are mistaken. We take all the risk. Order one today—it will pay for itself in the 60 days, and always make money for you. Write for free catalogue

The Climax Incubator and Brooder Co
Box 204, Castorland, N. Y.

ALFALFA AS A POULTRY FEED.

Owing to the shortage in the clover crop of the past season, and the scarcity of clover meal, poultry men are facing the proposition of finding some food material to take its place and fulfill the mission of Clover Meal.

To those who are in doubt, as an experienced poultry man I suggest that alfalfa meal, which is now advertised by several reliable companies, is a very valuable substitute and even gives better results than the clover meal.

Alfalfa, although not so widely known in the United States as clover, is one of the oldest of our forage plants, having been known to exist in European countries as early as 450 B. C., where it was called "Lucerne."

Alfalfa and clover belong to the same family of plants: "Leguminosae (or nitrogen gatherers), although quite different in nature of growth and appearance.

Alfalfa is a perennial, while clover is a biennial. Alfalfa produces three to four crops per season, yielding from three to seven tons per acre of fine hay, whereas clover yields on an average of two tons of hay per acre, and of coarser quality.

In appearance alfalfa is greener, has smaller and much more numerous leaves and finer stems.

The following table shows the chemical analysis of the two plants:

	Feed.	Protein.	Carbo- hydrates.	Fat.
Alfalfa		16.15	35.8	1.2
Clover		6.8	35.	1.7

Note in the above comparison that alfalfa is over twice as rich in protein, the egg forming element, and nearly equal in fattening elements. Further, alfalfa is much greener and when fed to poultry

more nearly presents grass conditions, the qualities we are looking for in our feeds.

We have been experimenting with alfalfa meal for some little time and are convinced of its superiority over clover meal.

Mr. Parrot, expert poultry feeder at Manning, Iowa, says: "It beats clover meal and chickens like it better."

We find that as a rule our hens fed on alfalfa meal lay very fertile eggs, which produce strong, vigorous, hearty chicks. We also find that they will molt quicker in the fall and commence to lay earlier in the season.

For laying hens we put several quarts of alfalfa meal into a closed vessel, then pour boiling water over the meal until it is thoroughly moistened; place a cover over the vessel and let the mixture steep for a while. Just before feeding dash a little cold water over the feed. This brings out the green color, and the whole presents a very green, pleasing appearance and is as near grass as any feed can be.

Some prefer to mix the meal with table scraps or grain, both of which add palatability and variety to the mash.

Bone meal and meat scraps make excellent additions to alfalfa or clover meal, both of which are concentrated feeds and great egg producers.

For parties who have only a few chickens I would advise them to get the alfalfa mixed with these various meat products as the firms who do this usually employ experts to mix the feeds and get them in proper proportion and in convenient form to handle, whereas one not experienced would be likely to over feed some of these highly concentrated feeds and bad results will follow.

As in everything else feed as directed by the company, and if this fails then call

the firm to account and they will usually suggest a remedy for the difficulty or "make good" in some other way.

Judging from our experience and from the experience of others who have used alfalfa meal, we are satisfied that it not only is equal to clover meal, but is superior, being richer in nutritive value; more palatable and in every way a more valuable feed.

For young chicks we feed it dry, mixed with grain or bread crumbs. On this feed they grow very fast, keep hearty and strong and feather out quickly.

Several firms are putting out alfalfa meal, and judging from our experience I have no doubt but that alfalfa meal is one of the best additions to our present poultry feeds.

A. L. COTTRELL.

Iowa State College, Ames, Ia.

Thos. P. Smith of Hoopston, Ills., has made the following winnings this year: White Wyandottes, Illinois State Poultry Association, Peoria, Ills., Jan. 2nd to 7th, 1905, tied for 1st cockerel, 2nd cock, 4th pullet on three entries. Chicago Heights, Ill., Jan. 10th to 17th, 1905: 1st cockerel, 2nd, 3rd hen; 1st, 2nd pullet, 1st pen: \$10 silver cup for highest score pen for highest class. Polish—Chicago Heights, Ills., Jan. 10th to 17th, 1905: 1st cock; 1st cockerel; 1st, 2nd hen; 1st, 2nd, 3rd pullet; 1st pen; \$5 silver cup for best pen.

Gen. Carey of Robinson, Ill., won at their recent show on Cornish Indian Games, 1st, 2d and 3d cock; 2d and 3d hen; 1st, 2d and 3d cockerel; 1st, 2d, 3d and 4th pullet; 1st and 2d pen; also all specials in his class. He has a limited number of cockerels for sale, some very good ones, but no pullets.

Great Cockerel Sale

The're Coming Down in Quantity

...BUT...

The're Going Up in Quality

I am still talking about my Barred Rocks, White Rocks, and White Wyandottes.

THE BLUE RIBBON WINNERS

Only a few more of those handsome cockerels left. They are going like wildfire. Improve the quality of your flock by securing one of these cockerels for your breeding pens.

ALMOST GIVING THEM AWAY

Only \$2.00 to \$5.00. Order now

Your money back quicker than quick if I don't suit you. That's fair, isn't it? Surely I am not doing business for fun; if I didn't know positively that I had as good as the best, I would not offer your money back, if not satisfied, would I? Look up my record at the great Chicago Show in this issue. Send 4c in stamps for my book, on approval.

CONGRESS PARK POULTRY YARDS

Clarence Ward, Prop.

Congress Park, Ill.



A NEW INDUSTRY WORTHY OF YOUR ATTENTION.

When the general public clamor for an article, and an individual is found who combines brain, foresight, practical experience and capital, to produce this desired product that man is a genius, and a person to command the admiration of the multitude who use the perfected product.

We take pleasure in presenting to the readers of this paper, the picture of Mr. G. H. Payne, known as "The Alfalfa man."

Mr. Payne has been extensively engaged in the raising of alfalfa for a number of years. Perhaps no man in the state of Nebraska has had larger interests in western Nebraska and devoted more time to the cultivation and raising of alfalfa than Mr. Payne. In fact he is considered the best authority on the subject throughout the alfalfa district.

Mr. Payne is the first man who ever ground alfalfa into a meal. At least, the first man who ever made it known to the public.

Mr. Payne conceived the idea of cutting or grinding this alfalfa to take the place of bran and shorts for a winter feed on account of bran and shorts being very high in price that season. Mr. Payne tackled this problem and after careful study perfected machinery which handles this proposition perfectly.

The value of alfalfa as a feed for poultry, swine, horses and cattle has been demonstrated for years. The only question now remaining was how to get rich with one kind, while a rich put it in such shape that hogs, and especially poultry, could get its true value after the alfalfa pasture was dried up in the fall.

After perfecting the machinery to supply their home purposes Mr. Payne conceived the idea of milling alfalfa in large quantities and placing it on the market, as an absolutely pure food for all kinds of stock, and especially poultry, as it is much greener and better than clover meal. Analysis showing it to contain 15 to 19 per cent pro-

tein while clover has only 6 to 7 per cent protein.

Soon after this the Alfalfa Meal Company of Omaha, Neb., was organized with Mr. Payne at its head, and during the winters of 1903 and 1904 the sales of alfalfa meal for poultry were quite successful, although it did not seem to take quite so well with feeders of cattle, swine, or horses, on account of the meal being too fine and therefore hard to feed to cattle or horses unless it was dampened.

Mr. Payne after careful study of the experiments conducted by French investigators and the U. S. government in feeding molasses to all kinds of stock, concluded that molasses was the feed to mix with his alfalfa meal. The molasses will absorb the alfalfa flour or dust, which is the best part of the meal, thus placing two of the strongest feeds known together and adding a fattening element to high protein feed, which helps to balance the ration, also a great tonic for the animal system; palatability.

This feed was placed on the market under the name of "Alfalmo," and has been on the market now for about a year and the remarkable increase of sales and especially to first customers indicates the success it has already attained. Soon after alfalfa meal and alfalmo demonstrated their superior value as a general feed for stock, and the alfalfa meal as an unexcelled feed for poultry, small poultrymen, who preferred to buy their feed mixed, began to clamor for a complete poultry feed consisting of alfalfa meal and meat products. Mr. Payne after careful consideration and advice from the best poultry men in the land set about to satisfy this demand. He secured the services of an expert poultry feed man, and with his help perfected Payne's Alfalmo Poultry Feed, which consists of the greenest alfalfa meal combined properly with meat products, bone, and in fact everything poultry need except grain, which Mr. Payne surmised was cheaper for the poultrymen to add than to ship it to him mixed.

The success* of this feed has been phenomenal.

Mr. Payne has organized a large company at Omaha, Neb., to present these alfalfa products to the stock feeders and breeders of the land.

The International Stock Food Company are making a very liberal offer to our readers in allowing their incubators and brooders tested for thirty days before they will ask the customers to pay a cent for the machine. It is not necessary for us to introduce this company to our subscribers, as there is no other concern so well known in America as the International Stock Food Company. Their incubators and brooders are of standard make and are guaranteed in exactly the same way as they guarantee all preparations they manufacture.

Jewel Incubators are sold on their merits, and those who use them may expect most excellent results. The Poultry Supply Department is under the management of Mr. N. C. Sprague, who is perhaps one of the best known poultrymen and expert incubator men in the country. Orders that are intrusted to the International Stock Food Company and placed in the hands of Mr. Sprague will receive his personal attention and everything will be done to please each customer, no matter how large or how small the amount they may buy.

Their handsome Catalogue is ready for distribution and you should send for a copy and become acquainted with their plan of doing business, as it is quite unique.

The Exmoor Farms, of Lebanon, Pa., are importers, exporters and breeders of high-class poultry, ducks, geese and Collie dogs. This is one of the best known of the eastern breeders and they have in this issue their February announcement to AMERICAN POULTRY JOURNAL.

Our readers will be interested in knowing that these people recently purchased Theo. Wittman's Brown Leghorns and have added them to their own. They raise sixty-two varieties of poultry. They are putting rock-bottom prices on top this month, and are offering our readers honest bargain values. In Brown Leghorns they are undisputed champions. They bred the first prize pullet at Madison Square Garden this year, the seventh year that this line has won first pullet.

The Exmoor Farms have produced probably as many winners for the New York and Chicago shows as any in the country. Among their specialties will be noted Brown Leghorns, White Leghorns, Buff Rocks, Black Hamburgs, White Minorcas and S. C. Buff Leghorns.

Their ad this month gives their special February prices, and after reading their offers each AMERICAN POULTRY JOURNAL reader should write them for more complete information, and by sending 4 cents in stamps will receive their 42-page illustrated catalogue, including their special Brown Leghorn circular. Edgar A. Weimer, 354 Harmon Court, Lebanon, Pa., is proprietor, and C. A. Dutton, the Leghorn specialist, is the farm superintendent.

Mr. Lester S. Tarrell, of Darlington, Wis., who has an ad on another page of AMERICAN POULTRY JOURNAL, recently had a letter from Joseph Kwasinewski, of Milwaukee, Wis., saying that out of thirteen eggs received from Mr. Tarrell he got thirteen nicely marked little chicks. He adds that, of course, he could not expect any more, but did not expect so much. He appreciates the honest deal he got from Mr. Tarrell very much and whenever he is in need of any more eggs for hatching will send his order

**Brightens up old harness
Pratts Harness Soap.**

Made by Pratt Food Co., Phila. Over 30 years old.

POULTRY ON THE FARM.

The Kind of Hens—Houses and Yards— Care and Feeding—Housing and Cooping—Marketing—Profits.

That poultry on the farm will liberally repay considerably more care and attention than it receives on the average farm is apparent to any one who has the least idea of the possibilities of the profit there is in a well managed flock of farm poultry. Poultry culture when properly carried on in connection with diversified farming is one of the most profitable departments of farm work, considering the time and money invested. The small farmer is so situated that he can keep a small flock of laying hens at a much greater profit than can the villager or subur-

and forth. The poultry house should be placed as near as can be conveniently to the dwelling house, especially where, as is generally the case, the women folks have most of the work to do in the care and feeding of the flock. The majority of women on the farms would make a handsome profit from a small flock of hens if convenient arrangements were made for the care of the fowls, and the poultry house located near by, where too much time and strength would not need to be consumed in running back and forth between their housework and the work with the hens.

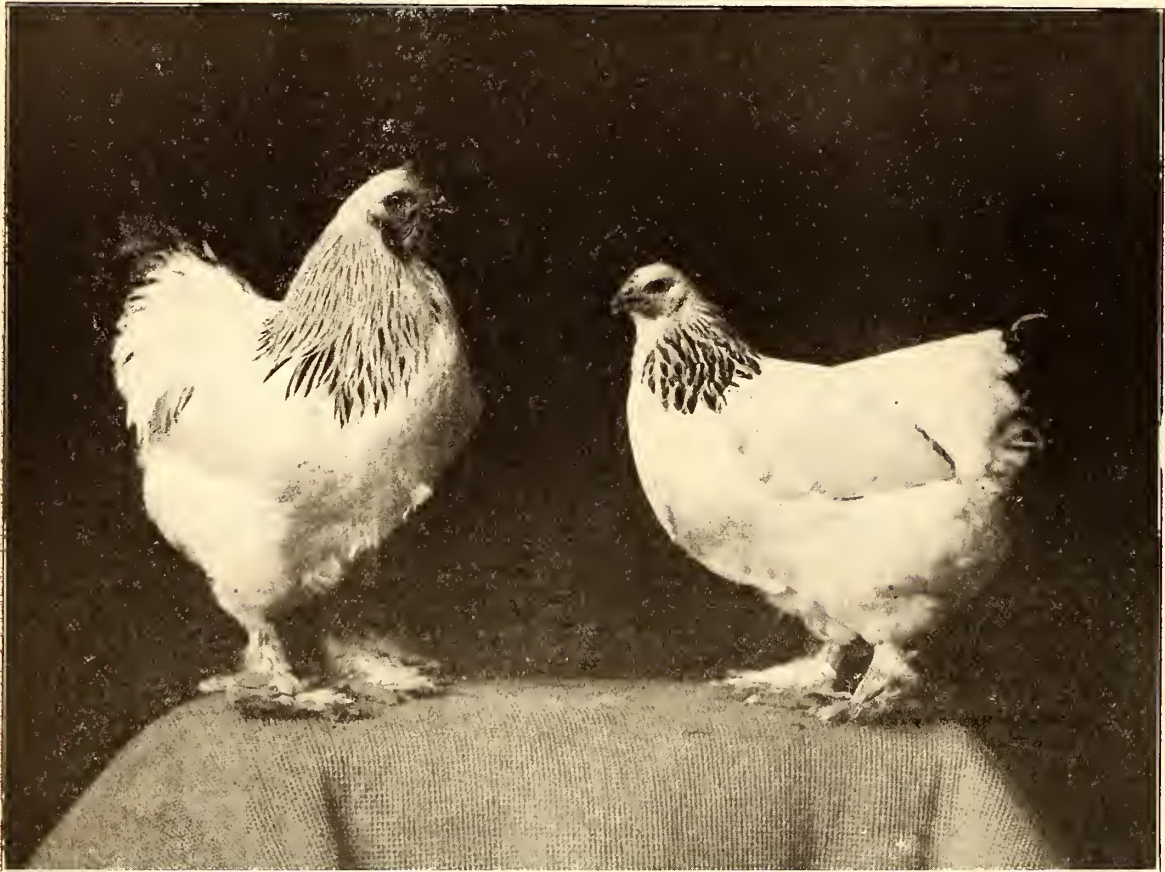
THE KIND OF HENS.

The breed of fowls for the farm is not of as much importance as is the way they have been bred. In the majority of cases hens are kept principally for the eggs they will produce, and it is important that the poultry kept be the product of hens which have been

ing each year from his best laying hens and improving his strain in egg production. If eggs alone are desired the smaller non-sitting breeds will probably be preferred, but where eggs and dressed poultry are both desired some of the general purpose breeds will do best.

HOUSES AND YARDS.

The house and yard room for the poultry ought to receive more attention than it does on the average farm. Houses should face the south and be high enough to permit the attendant standing up comfortably inside while doing the work. They should not be built more than twelve feet wide from north to south, and whatever length is necessary to accommodate the fowls to be kept. If buildings are wider than that, the sunlight will not penetrate to the north wall, and the buildings will be damp and musty, and not a healthy



A PAIR OF PRIZE WINNING LIGHT BRAHMAS.

First prize Cocker and pullet at Chicago, Nov. 1904. Bred and owned by Dr. N. E. Mighell, Marshalltown, Iowa.

banite who is required to buy practically all that he feeds his fowls. On the farm where hens are allowed more or less free range whenever the weather conditions permit them outside, they will forage for a considerable portion of their food, picking up scattered material which would otherwise be wasted and converting it into two of the most salable products the farmer has to market, fresh eggs and dressed poultry.

Among some of the reasons poultry are so generally neglected and allowed to shift for themselves on the farm is, that the poultry house is not conveniently located near the dwelling house, where the needs of the hens can be properly attended to, with the least possible time required in running back

carefully and systematically bred for layers. It is hardly necessary to say that pure bred poultry is so far ahead of the mixed fowls for egg production that there is no comparison, but many are not aware of the fact that some pure bred fowls are worth four or five times as much for layers as are some others equally as pure blooded, but which have not been specially selected and bred for prolific layers. As one man of considerable experience wrote me the other day. A poor man would get rich with one kind, while a rich man would get poor with the others." So the important point in selecting the breed for the farm is to select the breed you like best, and buy the stock from a breeder of that variety, who is breed-

place for the hens. A building twelve by twenty-four feet would house a flock of forty or fifty hens if the entire floor space was utilized for a feeding floor. The roosts could be placed in the north part of one end of the building with droppings board underneath to catch the droppings and high enough up from the floor to allow the entire floor space for scratching, this should be about two and a half or three feet. Then by boarding up the roosting place at the ends and arranging a curtain of common sheeting to drop down to enclose the front on extreme cold nights you have a very comfortable as well as a very convenient poultry house. The nests, water jars, grit boxes and other internal arrangements can be arranged

along the walls, up out of the way of the litter and dirt. Two common sized windows in the south front would furnish plenty of light for a building of this size, but it might be a good plan to have a door or two also in the south front, to throw open on nice sunshiny days in winter, thus converting the building into an open front scratching shed. If a small pen was added on to one end of such a building for a fattening pen for cockerels and a place to keep over a few of the best hens for breeders it would make an ideal house for a farmer's flock.

Where the hens can be given free range all summer, the yard room is not of so much consideration, but on most farms there are certain seasons when the hens must be kept in, and a good sized yard then with a little extra care in feeding, will well repay any expense incurred. Two rolls of four foot poultry netting will make a yard about one hundred and thirty-five feet long and as wide as the length of the building, running south from the house, and would give the flock ample room for good results in egg production any time during the growing season, and in the spring it would be an elegant park for the use of a small pen of the best hens with their male escort to furnish the eggs for hatching purposes.

CARE AND FEEDING.

The care of the laying hens in the summer time on the farm is not very exacting, if they are allowed the run of the farm. The principal thing is to see they are allowed a sufficient amount of grain, mostly good plump oats, together with what they can find on the range, to keep them in good laying condition. Water and sweet skim milk should be kept before them in clean dishes and the nest boxes and roosts gone over occasionally with kerosene oil to prevent the red mites getting a start. In the fall and winter when the other farm work is not so rushing the hens should have extra care and should be fed a regular mash food, made up in good part of steamed cut clover or clover chaff, with the boiled potato parings, table scraps, a little meat, meal or beef scraps and mixed crumbly with bran and ground feed. They should be fed daily all the mangels or other green food they will eat and given constant access to all the grit and oyster shells they will eat. All the whole grain should be fed in straw or other litter from six to ten inches deep on their feeding floors to induce the exercise necessary to best results in both health and egg production. A flock taken in off of free range and deprived of this exercise will soon cease laying and get all out of condition for a profitable winter's work. Exercise in confinement is essential to the most profitable work of the layers.

In the spring the few hens selected for breeding and kept over winter on rather light rations to prevent them laying heavy should be fed heavier on whole grain and just given an occasional mash, say twice a week, as the object is to get strongly fertilized eggs, rather than a large number with weak germs and consequently poor hatches. Where very many chicks are hatched

and raised incubators and brooders will hatch them out faster and earlier than is generally done with hens, and if the little chicks are given free range and fed dry feed such as cracked corn and cracked wheat in hoppers, where they can have constant access to the grain all summer they will not require a great deal of the housewife's attention during the summer.

HOUSING AND COOPING.

The housing of both old and young stock on a poultry plant is one of the most important points of consideration, from a standpoint of either the health or profitableness of the flock. Roomy, airy, storm and rat proof coops for the young stock is absolutely essential to the successful raising of a fine bunch of youngsters, that will make money for their keeper. Overcrowding of the growing stock in filthy, poorly ventilated coops is one of the causes of poor success on many farms. And coops which do not protect the chickens from driving storms and the nightly raids of rats and skunks will usually have very few occupants in the fall, when the young stock are ready to be placed in their winter quarters. Many of the failures in getting eggs in the fall and winter months from the hens, is due more to neglect in regard to this matter of housing the laying stock than in anything else. The young stock that has been properly cared for on the range during the summer, cannot stand close housing in their winter quarters in the fall and early winter months. Doors and windows should be protected with inch mesh wire netting so they can be left open to give the hens fresh air night and day, in mild weather, whenever there is not danger of its getting cold enough to freeze their combs. The laying stock must be protected from sudden changes in temperature or feeding; this is imperative, to the best results in egg production, no matter what other rules may be disregarded. And even the chill resulting from giving real cold water to the layers in winter will have a strong tendency to retard laying. For best results the water should have the chill taken off. Every little detail which adds to the comfort of the hens is important in obtaining the maximum amount of winter eggs.

MARKETING.

The marketing of the poultry products is by no means the least important thing in the profitable management of the farm flock. The amount of profit derived from the flock will depend on whether their product is dumped promiscuously on the common market to compete with and bear the suspicion and censure attached to the poorest quality of scrub poultry and stale eggs, or properly and neatly prepared and sold as fancy dressed poultry and fresh table eggs. Properly fattened and neatly dressed poultry of good market quality will readily sell almost anywhere at a very considerable advance over the common market stock. Strictly choice dressed poultry is the result of careful selection and systematic breeding for the best possible development in plumpness of breasts, wide deep bodies and a generally well rounded, attractive appearance. I am living in a village of only about six hundred people, yet with my strain of White Plymouth Rocks, which have been carefully bred for market quality, I am able to get

Too Late to Classify.

SINGLE COMB White Leghorns, celebrated Van Dreser strain. World's record winter layers. Fine early broilers. Eggs \$1 per 15, \$6 per 100. White Star Poultry Farm, South Amboy, N. J. 1-2

MAMMOTH BRONZE TURKEYS—Will sell good stock, single birds, pairs or trios. R. D. Lough, Vienna, Ill. 2-1

EGGS of Pure Bred White Langshans. One dollar for 15. Jacob Magruder, Green Spring, Ohio. 2-3

ANCONAS FOR SALE—New breed; winter layers; handsome fowls. Eggs in season. A. A. Smith, 514 Morrell St., Jackson, Mich. 2-1

PARTRIDGE COCHINS EXCLUSIVELY. Young and old stock; bargain in some hens. Fourteen years a breeder. W. J. Casey, Knoxville, Iowa. 2-1

B. B. RED GAMES. S. C. Black Minorcas. Farm raised. Cockerels, both breeds, \$2 each. R. S. Phillips, Cbloo, Mo. 2-3

EGG MACHINES—That is what our S. C. B. Leghorns are. Cockerels, \$1. Eggs, \$1. Wallas Sprang, Plimpton, O. 2-3

EGGS—Fifteen for \$1; 30 for \$1.50. White Plymouth Rocks and White Wyandottes. Sunny-side Fruit and Poultry Farm, Jeannette, Pa., R. D. 1. 2-3

BARRED PLYMOUTH ROCKS exclusively (Bradley Bros.' strain). Eggs from best matings, \$2 per 13; \$3.50 for 26. Incubator eggs, \$5 per 100. Edmonds & Jones, Barrington, Ill. 2-3

FINE Barred Rocks from prize winners. \$1.50 to \$5 each. C. L. Carney, Charleston, Ill. 2-3

WHITE WYANDOTTES exclusively—Eggs, \$1 per 15; \$5 per 100. Brown egg strain. A limited number of pullets and hens for sale. Satisfaction guaranteed. Book orders now. A. W. Hunsberger, F. R. D. 2, Hatfield, Pa. 2-1

ROSE COMB BLACK MINORCAS—Prize winners at Chicago, Madison Square Garden, Rochester and other large shows. Greatest winter layers in existence. Trap-nest records. S. T. Campbell, Mansfield, Ohio. 2-3

EGGS for hatching from nine varieties of Pure Bred Poultry Eggs, \$1 per 15. Catalogue free. Write name and address plain. J. B. Gross, R. F. D. No. 1, Coopersburg, Pa. 2-3

AMERICAN REDS—At the Minneapolis meeting of the A. P. A., the so-called R. C. R. I. Reds were admitted to the Standard under the name American Reds, which is now the official name for the breed. Exclusive Rose Comb breeders please write for other information to F. D. Baerman, Secretary American Red Club, Dunellen, New Jersey. 2-1

LEGHORNS, Buff and Black. Score 92½ to 96, by McClave, Tucker, Rapp. Eggs, \$1.50 per setting. N. J. Fuse, Naperville, Ill. 2-3

COCHIN BANTAMS, Buff and Black. Score 93 to 96, by McClave, Tucker, Rapp. Eggs, \$1.50 per setting. N. J. Fuse, Naperville, Ill. 2-3

BLACK COCHIN BANTAMS—At the great Chicago show, January, 1905, second cock, first and fourth hen, first, second and third pullets, first pen, two specials. Choice birds for sale. Eggs in season, \$3 per setting. F. A. Prager, Norwood Park, Chicago, Ill. 2-3

SINGLE COMB WHITE and Brown Leghorns, Barred Rocks, Columbian Wyandottes, White Holland Turkey eggs. Birds score 93 and up. Write for my winnings and prices. Langshan and Partridge Wyandotte cockerels for trade. D. I. Howard, Aberdeen, Miss. 2-2

WHITE ROCK EGGS from birds scoring 94½ to 94½. \$1 for 15. John Jenkins, Oakridge, Mo. 2-3

PRIZE WINNING M. B. TURKEYS for sale. Old and young. Mrs. H. D. Welch, Webster City, Iowa. 2-3

SILVER, GOLDEN and BLACK WYANDOTTES—Line-bred. Winners at America's best shows for twenty years. Circular free. J. M. Lotridge, Cincinnati, N. Y. 2-3

BARRED PLYMOUTH ROCK EGGS \$1.50 for 15. Winners at Greenfield, Iowa, three years in succession. Ringlet strain. Also a limited number of eggs from prize winning Buff Wyandottes, Ackley & Page strain. Send for circular of winnings and matings. GUY J. POTE, Bridgewater, Iowa. 2-05-137

WHITE PLYMOUTH ROCK COCKERELS, pure Fishel direct. From Fishel's best stock, price \$2, \$3, \$5, \$7, as some ask \$10 to \$20 and \$25. Fine shape, yellow beak and legs; white as snow. WAINRIGHT LEA, R. F. D. No. 2, Brooksville, Ky. 2-3



It is Pratt's Animal Regulator.

Made by Pratt Food Co., Phila. Over 30 years old.

five cents per pound above the retail market price for all the dressed poultry I have to sell and could sell several times as much as I do, if I was in the market poultry business. And the principle holds good in almost any place in the marketing of a choice quality of fresh table eggs. The possibilities in the sale of a fancy article in poultry products at remunerative prices is far beyond the conception of many farmers who have been content to drift with the crowd and take what the general market would give them for their products, as they happened to reach it. To a greater or less extent all poultry products bear the suspicion attached to the article of poorest quality, until they have established a reputation for superior quality. Naturally, therefore, the poultry keeper who is working for the best prices must be content to go a little slow, until his goods have been introduced to the public and established for themselves a reputation that will command and hold a regular trade at top prices.

PROFITS.

The profits from a small flock of fowls is proportionately greater than it is from a larger number, especially on the farm where the birds are allowed free range the greater portion of the year, owing to the greater proportion of food picked up on the range by each hen of the small flock, than would be the case where a larger number of hens occupied the same ground. The profit to be derived from a farm flock will depend a very great deal on the breeding of the hens that are kept, but with a good stock of fowls properly fed and housed, the profits will be most encouraging and considerably greater than where all food is bought at retail market prices. Hens which have been carefully selected and systematically bred for layers can easily be got to lay upwards of an average of one hundred and fifty eggs per hen in a year with reasonably good care and feeding, and on the farm where expenses are reduced to the minimum and all food furnished at first cost, it should not be difficult to make each hen of a small flock yield a profit of two dollars or more a year. Some flocks have done considerably better than that, where a few of the best cockerels were sold at one dollar and a half and two dollars each for breeding purposes, but such sales should be made in the fall to make it pay, for good sized Plymouth Rock cockerels of good market quality, dressed and put on the market in attractive condition will readily sell for one dollar each and cockerels will eat as much or more feed than laying hens during the winter while producing nothing. One of the products of the flock that is of no little value to the farmer is the poultry droppings, which can be scattered thinly over the garden or grass lot and thoroughly incorporated into the soil by a thorough harrowing of the land. Treated in this way they are one of the most valuable fertilizers on the farm. By planting

the poultry yard to plum trees the ground will not be given exclusively to the fowls and the plum trees will be kept pretty nearly free from injurious insects by the flock, and being systematically fed by the droppings from the hens will bear remarkably good and regular crops if the location is not an unusually unfavorable one for hardy fruits. A small flock of fifty hens, bringing in an annual profit of from seventy-five to one hundred and twenty-five dollars would be quite a lift towards independence on many farms, and it is easy within the reach of any farmer who will get the right kind of hens and give them the right kind of care. There is no stock on the farm that will more quickly respond to good care and proper attention or yield a larger profit for time and money invested than a well bred flock of pure bred poultry.

VICTOR D. CANEDAY.

Taylor's Falls, Minn.

It isn't at all surprising to those who are familiar with incubators and brooders that the Gold Medal—the highest award—of the great St. Louis World's Fair was given to the Reliable Incubators and Brooders. The jurors who made the awards were experts on artificial incubation and they readily recognized the superiority of the Reliable machines. Their award was for an incubator of highest hatching efficiency. The double-heating, double-ventilating features of the Reliable are such pronounced improvements that the judges could do nothing else but award the Gold Medal as they did.

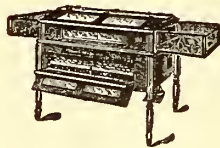
Twenty years of experience in the building of incubators and brooders are crystallized in the Reliable of today. The secret of their success is that the builders have kept "results" ever in mind. They have no "hobbies" to overcome. They have improved here and discarded there until they have attained very near to perfection. As a result the Reliable is universally known as "The World's Favorite."

In buying an incubator you don't care to buy a lot of theories; what you want is a reliable, sensible hatching machine that will hatch the highest percentage of strong, healthy, vigorous chicks that will live and grow into money with the least trouble and expense to you.

The Reliable Incubators and Brooders are so simple and the directions so comprehensive that any one with the least bit of "gumption" can operate them and make money from the start; while the expert who examines them critically is delighted with them, and finds all that advanced science can suggest for effectiveness, simplicity

and economy embodied in Reliable machines. The Reliable Incubator and Brooder Co., Box A1, Quincy, Ill., have issued an exceptionally valuable catalogue of their wares. It also contains a lot of poultry hints—a book easily worth 25c. They will be glad to send you a copy on receipt of 5c in stamps to pay postage.

B. S. Beckington of Garden Prairie, Ill., has 500 birds for sale, and also will take orders for eggs. He has been a successful prize winner, and has never had a better lot of poultry than now. He breeds Brahmas, Langshans, Buff Cochins, Rhode Island Reds, S. C. White, Buff and Brown Leghorns, B. B. Red Games, Black Minorcas



and Pekin Ducks. He aims to send out the money's worth or more to each customer, and more than satisfies them. He has hundreds of fine Cocks and some Yearling birds that will score way over 90 points, which certainly should do someone good.

Floyd C. Tabor of Worcester, N. Y., has a change of ad this month in an increased space, advertising his 200-egg strained Rose Comb Brown Leghorns. His New York winnings of 1905 were especially fine and were as follows: First Cockerel in the strongest competition of Rose Comb Brown Leghorns ever shown at the World's Fair Show, St. Louis, fourth and sixth hen, sixth pullet, second pen. At Central New York Fair, first and second cock, first and second cockerel, first and second hen, first and second pullet. At Binghamton Industrial Exposition, first cock, first cockerel, first pen. A catalogue will be sent on request by mentioning the AMERICAN POULTRY JOURNAL. Mr. Tabor recently bought of Henry Steinmesch of St. Louis all the Rose Comb Brown Leghorn females shown by Mr. Steinmesch, winning prizes at the World's Fair, St. Louis, Oct. 25, 1904.

Dr. N. E. Mighell, Marshalltown, Iowa, breeder of Light Brahmas and Partridge Wyandottes, reports the following winnings for the past year: On Light Brahmas at World's Fair: 1st, 3d cock; 4th cockerel; 5th, 6th, 7th pullets. At Chicago: 1st, 3d cocks; 1st, 3d, 5th hens; 1st, 2d, 3d, 4th cockerels; 1st, 2d, 3d, 4th, 5th pullets; 1st pen. At Topeka, Kan.: 1st cock; 1st, 2d hens; 1st, 2d, 3d cockerels; 1st, 2d, 3d, 5th pullets; 1st, 2d pens. At Polo, Ill.: 1st cock; 1st, 2d hens; 1st, 2d, 3d cockerels; 1st, 2d, 3d pullets; 1st pen. Showed at Topeka and Polo at the same time. On Partridge Wyandottes—At Chicago: 1st, 2d cocks; 1st, 3d, 5th cockerels; 2d pullet; 5th hen; 2d pen. At Topeka: 1st, 2d cocks; 1st hen; 1st, 2d, 3d cockerels; 1st, 2d pullets. In competition with some of the best of the country in both places.

Klein & Anderson, Macon, Ill., have been very successful in their show winnings since the first of September, 1904, winning in all 120 premiums at the Illinois State Fair and in southern expositions. At the St. Louis Exposition they won on Cochins 3d, 4th, 5th hen, 6th cock, 2d pen. At the Peoria State Show they won 2d, 3d, 4th Barred Rock, 1st pen and special for the ten highest scoring females. On Partridge Cochins 3d, 4th on cock, 1st, 2d, 3d, 4th hen, 2d, 4th cockerel, 1st, 2d pullet, 1st, 2d pen.

Kills and expels worms Pratts Vet. Worm Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

SINGLE COMB WHITE LEG-horns exclusively, free range, Wyck-off strain, headed by prize-winning cockerels. Fertile eggs. My best mating eggs, \$1.25 per 15; \$3 per 50; \$5 per 100; \$20 per 500. Satisfaction guaranteed. E. E. WISE, 2-3 Route 1, New Brighton, Pa.

ROSE COMB AND SINGLE COMB Minorcas. They are winners. At Michigan State Show, on six entries, we won five prizes; Ann Arbor, 16 out of 24. Eggs \$2 per sing. Stock for sale. WAGNER BROS., 2-3 Ann Arbor, Mich.

80 Bu. Macaroni Wheat Per Acre,



introduced by the U. S. Dept. of Agr. It is a tremendous cropper, yielding in good land in Wis., Ill., Ia., Mich., Ind., O., Pa., N. Y., 80 bu. per acre, and on dry, arid lands, such as are found in Mont., Idaho, the Dakotas, Colo., etc., it will yield from 40 to 60 bu. This Wheat and Speltz and Hanna Barley and Bromus Inermis and Billion Dollar Grass, makes it possible to grow and fatten hogs, sheep and cattle wherever soil is found.

JUST SEND 10c AND THIS NOTICE

to the John A. Salzer Seed Co., La Crosse, Wis., and they will send you free a sample of this Wheat and other farm seeds, together with their great catalog, alone worth \$100.00 to any wide-awake farmer. [F.P.]

MILLS' 1905 Seed, Plant and Poultry Catalogue

IS NOW READY. Best one we have ever issued. Many novelties just out. Choice new flowers for the ladies. Thousands of thoroughbred fowls, also eggs for hatching of over 20 varieties. One of the best INCUBATORS built, used exclusively on our farm. Many Great Bargains of all kinds which will interest you. Our "Lesson on Vegetables" is something new and very interesting. This new catalogue is free to any one, and if you mention this paper we will send you a sample packet of very choice new Sweet Corn free for trial. Will not be offered until next year, but earliest corn in the market. Worth dollars to you. Send for catalog to-day.

F. B. MILLS, Seedsmen, Box 40 Rose Hill, Onondaga Co., N. Y.

A NEW POULTRY BOOK.

Especially Written and Designed for the Beginners—Mr. Clarence Ward is the Author—Sent on Approval.

Last month we gave a hasty review of a new poultry book, entitled "Successful Poultry Culture for Pleasure and Profit," by Clarence Ward, proprietor of the Congress Park Poultry Yards, of Congress Park, Ill. We have since then given this book a more careful perusal and find it to be one of the best books for the beginner in poultry culture that has come to this office for some time. It is verily a gold mine of valuable information on this subject and we believe it will prove to be a gold mine to anyone following its instruction, as it is both practical, up-to-date and scientific.

The book treats at length on the great profits in poultry culture, citing many cases where splendid incomes have been made from this fascinating business. It is a well established fact that there is big money in poultry culture. There are thousands of men and women who are earning princely incomes from it, while there are many more thousands who are making a snug little income every year conducting it as a side issue. To make from \$100 to \$1,000 clear profit every year, just in the spare moments, is no small matter with most people. And yet there are thousands who are doing this very thing raising poultry, and this same thing can easily be accomplished by anybody who will conduct it in an intelligent manner. It is just for this latter class that Mr. Ward has designed his book and by following its simple instructions success will be sure and the profits large.

SENT ON APPROVAL.

Mr. Ward wants every beginner to read his book, and is willing to send it free on ten days' approval to every man, woman or boy interested who will take the trouble to write to him for it. In order to assist our readers to get this book on approval we print the following coupon, and advise our novice friends to fill it out, cut off, and send it today: Congress Park Poultry Yards, Clarence Ward, Prop., Congress Park, Ill.

Enclosed find 4c in stamps for which please send me on approval, your new book, "Successful Poultry Culture for Pleasure and Profit." If I want the book I agree to send you 50c for it. If I don't want it, I agree to return it to you within 10 days.

Poultry Supplies.

As we are the largest as well as the oldest dealers in poultry supplies west of the Mississippi river we can offer many items of interest to poultry breeders. We also handle thoroughbred poultry and EGGS FOR HATCHING. Don't fail to send for a copy of our new illustrated price list. Complete catalogue of seeds, plants, etc., also free if you mention this paper. Write at once. IOWA SEED CO., DES MOINES, IOWA.

S. C. B. Minorcas

—AND—

R. C. BUFF ORPINGTONS

World's Fair prize winners. Stock for sale. Eggs \$2 to \$5 per sitting. Incubator eggs, \$6 to \$10 per 100. Write for circular.

ROSEDALE POULTRY FARM G. M. SHOOK, Joplin, Mo.

What Wm. Ellery Bright is Doing.

Wm. Ellery Bright of Waltham, Mass., never had so many fine birds at one time, and is having splendid trade. He sold his first prize St. Louis Exposition Single Comb Brown Leghorn Pullet for \$100.00, and a good number of other Leghorns and Barred Rocks at good prices, but what pleases Mr. Bright most is that his birds have been going to some of the old and well known breeders, which have not only pleased them, but have won prizes for them.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer the following questions in your question and answer column:

1. What should be the size of a winter poultry house for 75 laying hens?
2. What kind of feed should be fed in the morning, at noon and at night for a flock of laying hens to produce the best results?
3. What is the best remedy for head lice on chicks?
4. Would it be better to cook beets, cabbage, etc., for poultry or feed raw?
5. Should laying hens be fed all the corn they will eat at night?
6. What is the best feed for young chicks?

N. B. M.

Lamar, Col.

1. A house 18x30 will accommodate 75 laying hens very nicely.
2. A warm mash fed in the morning is advocated by a great many breeders. This mash can be composed of bran, chopped feed, clover meal, kitchen scraps, etc., and mixed with water or milk and fed in a rather dry state. At noon dry wheat is the best. In cold weather a full feed of whole corn should be given.
3. We have found lard and kerosene oil very effective for head lice on chicks.
4. Cabbage is best fed raw; beets, turnips, etc., may be cooked and mixed with the mash.
5. In very cold weather. In warm weather wheat is better.
6. Most breeders advocate a dry grain feed for young chicks, made up of various small grains, or use some one of the various chicks' foods advertised in these columns.

EDITOR AMERICAN POULTRY JOURNAL:

Please answer the following in your question and answer department:

1. What is the matter with my S. C. B. Leghorn pullets, they appear in very good health, except when they drink it seems to gag them. One breathes through her mouth all the time. Could this be a case of crop bound?
2. Would it be a good plan to floor about two-thirds of a poultry house and leave the remainder for a scratching bed?

E. M. N.

Parkville, Mo.

1. Your description is too indefinite for an intelligent answer.
2. No; the part you put the floor on would be a harbor for rats.

Buff and White Orpingtons
BUFF LEGHORNS

Good breeders for sale, one and two years old. Also young stock from imported prize-winning strains. Satisfaction guaranteed.

F. A. CRGWELL, - Granger, Minn.

The Leghorn is not a desirable broiler breed, owing to the difficulty in getting it into a plump condition at a profitable age. It requires fully four weeks longer to get it to the desired weight than it does our American breeds, but when it is there it is a fine breasted and attractive looking carcass.

The three grains that should go each day in the winter bill of fare are wheat, oats and corn—and their by-products; bran, middlings, ground oats and cornmeal.

J. A. Bailey of Denver, Colo., won at the show January, 1905, on S. C. Brown Leghorns, 1st cockerel, 2d pen and silver special for the best cockerel of any breed in the show.

Prevents and cures cholera
Pratts Hog Cholera Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

DIDRICKSEN'S ROSE AND SINGLE COMB BLACK MINORCAS won 12 premiums at World's Fair, St. Louis, and winners at Chicago, Milwaukee in succession. Eggs from 1st pen R. C., \$5 per sitting; 2d and 3d pen \$3 per sitting; S. C., \$3 per sitting. Booking orders now. A. Didricksen, Box 894, Whitewater, Wis.



WHITE PLYMOUTH ROCKS EXCLUSIVELY. In 1904 at Joliet 1st cock; at Naperville 1st cock, 1st chl., 1st, 2d, 4th pullet, 1st, 2d 4th hen, sweepstakes and special. 1905 at Fox River show 1st chl., 3d chl, 1st pullet, 3d, 4th hen, 1st pen. Eggs \$2.50 per 15. C. L. CORKE, Plainfield, Ill.

\$700 POULTRY CONTEST

Commercial Poultry offers \$700 in cash and other prizes to those writing the best articles on the subject "Care of Little Chicks." Poultrymen and women do not miss this pleasant and profitable contest. It may mean a big thing for you. Send for particulars.

COMMERCIAL POULTRY
Inquiry Dept. 2 63 Washington St., Chicago

ABOUT THE SOUTH

"About the South" is the name of a 64-page illustrated pamphlet issued by the Passenger Department of the

ILLINOIS CENTRAL R. R. CO.

In which important questions are tersely answered in brief articles about Southern Farm Lands, Mississippi Valley Cotton Lands, Truck Farming, Fruit Growing, Stock Raising, Dairying, Grasses and Forage, Soils, Market Facilities and Southern Immigration along the lines of the Illinois Central and Yazoo & Mississippi Valley Railroads in the States of Kentucky, Tennessee, Mississippi and Louisiana.

Send for a free copy to J. F. Merry, A. G. P. A., I. C. R. R., Dubuque, Iowa.

Choice Pickings in the
YAZOO VALLEY

"Choice Pickings in the Yazoo Valley" is the title of an illustrated 36-page pamphlet describing the railroad lands in the famous Yazoo Valley of the Mississippi, on the line of the Yazoo & Mississippi Valley Railroad, and showing what has been accomplished by the large number of settlers successfully established there. For a free copy, address E. P. Skene, Land Commissioner, I. C. R. R. Central Station, Park Row, Chicago, Ill.

Information concerning rates and train service to the South via the Illinois Central can be had of agents of connecting lines, or by addressing

A. H. HANSON, G. P. A., Chicago, Ill.

INTERESTING POULTRY CONTEST.
\$700 IN PRIZES

That progressive Poultry Journal, COMMERCIAL POULTRY, is now conducting a very interesting poultry contest. They will give \$700 in prizes to those writing the best articles on the subject of "Care of Little Chicks." Every reader of this Journal should write Commercial Poultry, Inquiry Dept. 102, Chicago, and secure free, the particulars of this Contest.

CYPHERS INCUBATOR CO.'S NEW CATALOGUE.

We have received a copy of the new catalogue from the Cyphers Incubator Co., of Buffalo, N. Y. This is certainly a mammoth catalogue and should be in the hands of every reader of the AMERICAN POULTRY JOURNAL. An illustration of the front cover is reproduced below.

The Cyphers Incubator Co. have spent more money on this catalogue than on any of its predecessors. They are issuing 110,000 copies, 90,000 copies for domestic circulation and 20,000 copies for foreign distribution. The complete book consists of 228 pages and cover and is 8x11 inches in size and weighs 1 1/4 pounds. The total edition requires more than 130,000 pounds of paper or four and one-third carloads, 30,000 pounds to each car. These books cost them 18 cents per copy in one hundred thousand lots, and the postage is 10 cents per copy. In other words, it costs them approximately 30 cents, envelope and handling included, to place these catalogues in the hands of persons who ask for them in response to their advertisements, exclusive of the cost of the advertising.

This company at its Buffalo factory is now manufacturing an incubator complete every four and one-third minutes. Additional to this they are manufacturing hundreds and in some cases thousands of smaller articles daily. At present they have on their pay-roll more than 400 persons. This illustrates clearly to our readers how they have been able to reduce the price on their machines, as related in their advertisements, and still keep up the quality.

The capacity of their new poultry food, clover and alfalfa mill at Kansas City, Mo. (floor space 30,000 square feet) is 90,000 pounds poultry food per work day of ten hours, and 10,000 pounds of cut, meal and shredded clover and alfalfa, about four carloads daily.

No doubt our readers are well aware that there are now more than one hundred companies and individuals in the United States alone who are engaged in the manufacture of incubators and brooders, whereas the number engaged in the manufacture of various poultry supplies probably approaches one thousand. Truly the poultry business has become a great industry when we consider it in all of its far-reaching branches.

Readers will be especially interested in the photographic full page illustrations of poultry editors, fanciers, judges, etc., which appear throughout the catalogue. The catalogue is now ready for mailing and can be secured by writing for it and mentioning AMERICAN POULTRY JOURNAL, and by ad-

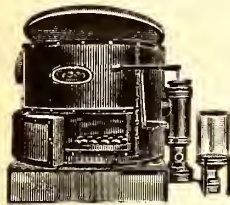
dressing Cyphers Incubator Co., at any one of their offices nearest to you, viz.: 310 Fifth avenue, Chicago, Ill.; 34 Merchants Row, Boston; 23 Barclay street, New York, or Buffalo, N. Y.

The Rose Comb Black Minorcas exhibited by S. T. Campbell of Mansfield, Ohio, at the Coliseum, Chicago, in January, 1905, were a fine lot of birds. They had the fine head and comb so characteristic of Mr. Campbell's birds and good typical Minorca shape. Besides winning at the Coliseum, he has won at Madison Square Garden, New York; Rochester and other shows. His Trap Nest Records demonstrate his birds to be, as he claims, the greatest in existence. His is a strain with a record of over 247 eggs per hen a year.

John J. Keig & Son, Lockport, Ill., breeders of Buff Plymouth Rocks, writes that at the November Chicago show they won 3d cock, 1st hen, 2d cockerel, 2d and 5th pullet and 1st pen.

The advertisement of the Cousins Automatic Egg Turning Tray for Incubators will be found in another column. Mr. Cousins writes us that he has made trays for nearly all makers of incubators and has shipped them to every state in the union and to many foreign countries. He has received many flattering testimonials from those who have used them. He claims that his tray increases the hatch of all incubators for the reason that it turns all sizes of eggs alike and holds them in proper position. It also increases the capacity of many machines. He states that his business is opening up better this season than ever before, having recently received orders for 157 trays in one day.

Another interesting analysis given is that, compared with well-rotted barn manure, there are 48.60 pounds of phosphoric acid in hen manure to 6 in barnyard manure; 41 pounds potash to 10 in barnyard manure, and 67 pounds nitrogen to 11 in barnyard manure. The analysis is based on a ton of hen and barnyard manures.



AXFORD INCUBATORS

Have stood the test 30 years. First Diploma 1875. Gold Medal 1879

The only PROPER MOISTURE INCUBATOR on the market. BUILT ROUND. Cut out the corners—you have no cold eggs. Catalogue if you ask.

Axford Incubator Co., Dept. 3, Chicago, Ill.

BARRED ROCKS

That will win in strong competition 4th pen, 2d pullet and 2d chl. mating that scores 90 to 92 1/2 points. Eggs from pens \$1.50 and \$2 for 13, both matings. Remember satisfaction guaranteed.

W. A. PORTER

Minonk, Illinois

WE CAN FURNISH CHOICE BREEDERS IN—

White and Barred Rocks

Partridge and White Wyandottes, Mammoth White Holland Turkeys and Imperial Pekin Ducks. Our birds are winners at Chicago, Cleveland, Indianapolis and Illinois State Shows. We have three yearling and two young toms at \$5 each. No females. Eggs \$2.50 per 15, \$5 per 40. Turkey eggs \$5 per 12. Write your wants. We guarantee satisfaction or return money.

STRYKER BROS.

Box 204, Plainfield, Ill.

"CARE OF THE LITTLE CHICKS"

\$700 CONTEST

To more widely advertise COMMERCIAL POULTRY we offer prizes amounting to \$700 for the best articles on the following subject: "Care of Little Chicks." First prize, \$500 piano; 2d prize, \$50 in cash; 3d prize, gold watch and chain (any style or movement); 4th prize, genuine diamond (ring or pin); 5th prize, \$15 cash; 6th, 7th, 8th, 9th and 10th prizes \$5 each; 11th 12th, 13th, 14th and 15th prizes, \$3 each. Contest closes March 15th, 1905. Articles must not exceed 750 words. Prizes awarded immediately afterward by a committee of three disinterested poultrymen. We retain the privilege of publishing all competing articles. Only condition: Every article must be accompanied by 50 cents to pay for one special new or renewed yearly subscription for COMMERCIAL POULTRY, the brightest, neatest and most practical poultry paper published. Circulation now over 40,000 copies each issue. Sample copies of COMMERCIAL POULTRY, also names of winners in our other poultry contests and further particulars sent free on request. We have distributed \$2000 in cash prizes during the last eight months. Write for further particulars to-day.

COMMERCIAL POULTRY, 67 Washington St., Contest Dept. 202, Chicago

THANK YOU.

We are under obligations to American Fancier for the list of awards at the New York Show.

A single dose cures

Pratts Veterinary Colic Cure.

Made by Pratt Food Co., Phila. Over 30 years old.



GREIDER'S FINE CATALOGUE

of Standard bred poultry for 1905, printed in colors, fine chromo, suitable for framing, illustrates and describes 60 varieties. Gives reasonable prices for stock and eggs, tells all about poultry, their diseases, lice, etc. This book only 10 cents.

B. H. GREIDER, RHEIMS, PA.



Hardy Evergreens

Grown in the "Blizzard Belt" of North

ern Iowa. We

grow them by the mil-

lion. Prices lowest, stock high-

est grade. Sample 12 choice 2

year old trees free. Postage do

—and it is or not as you choose.

A postal will bring them. Price

list and bargain sheet free.

The Gardner Nursery Co.,

Box 714 Osage, Ia.



THE COUSINS' AUTOMATIC EGG-TURNING TRAY

THE COUSINS' AUTOMATIC EGG TURNING TRAY is selling like hot cakes. If you are using incubators you cannot afford to be without them. They are made to fit any machine. Our free catalogue tells all about them. Mention this paper.

J. L. COUSINS, Warren, Pa.

SATISFACTION

Isn't this enough for any man to expect?

Matthews, Ind., Dec. 11, 1904.

Dinsmore & Co.

Dear Sirs:—The one hundred White Wyandotte eggs I bought of you proved the best investment I ever made. I hatched fifty-three nice chicks. I have just returned from Marion poultry show, where I won 1st, 2d, 3d cockerels, 3d pullet, 1st and 2d pens, seventeen specials and \$10 silver cup for best display of any one variety. If you will sell me eggs the same price I will take 500 or 1000 next spring. Wishing you success I am

Yours truly, R. B. LITTLE.

We have ten grand pens mated for best results, and we guarantee our eggs to be 75 per cent fertile. \$2 per 15, \$10 per 100.

Hillcrest Poultry Yards

Dinsmore & Co., Props. Kramer, Ind.

Try the New

Majestic Tomato

The greatest vegetable novelty of the season. By all odds the largest, finest flavored and most productive in existence. Thousands of our customers who received small trial packages last spring wrote us in the fall that it surpassed all other sorts and produced 100 lbs. to 147 lbs. of fruit to the plant. Many reported single tomatoes, weighing 3 lbs. to 5 1/2 lbs. each. Just think what this kind of a crop would mean on an acre of ground. The fruits are not coarse grained and poor like other large sorts, but are smooth, solid, have few seeds, and are unsurpassed in quality. Of fine shape and beautiful color. Last year the seed sold at 40c per packet of 100 seeds, but this season, we have reduced price to 10c, and in addition to this are offering

\$100.00 in Cash

prizes this year for the

largest tomato grown.

Our large illustrated cat-

alogue describing the above

and many other choice novel-

ties will be sent free if you

mention this paper.

IOWA SEED CO.,

Des Moines, Iowa.



A BEGINNERS EXPERIENCE

Two years ago about this time the first symptoms of the "fever" began to trouble me, and in a short time a genuine case was developed. Those about me soon discovered what was ailing me and certain ones in the distance learned of my case and were delighted. My mail suddenly began to increase—stimulating literature and letters arrived informing me what to do. The "fever" grew apace, feeding upon descriptions of money-making poultry plants, detailed accounts of individual success with hens, until one day in late March there came a notice from the express office that an incubator was there for me. A four-horse team was necessary—not because of great weight, but deep mud, to land that machine. Then a little later a load of new lumber—a new saw, hammer and other things. In the meantime the new incubator had been very carefully unpacked and set up. The directions for operating were most conscientiously studied—then the lamp was lighted and after a study of the machine for a day or two some 175 eggs I had obtained from the neighbors for a first hatch were consigned over to fate or fortune I couldn't tell which. Before the hatch was due my first house was up and a home-constructed brooder installed within. This brooder has been a success from the first and I would gladly enlarge upon it here but for lack of space—and descriptive powers. But to my surprise instead of 175 disappointments as I had feared, my care and travelling was rewarded with a first-class hatch of 89 chicks from 122 fertile eggs. And I

raised them all but five.

Another notice from the expressman informs me that a package of eggs awaits me. Several western breeders of White Rocks had heard of my ambition to start a poultry plant and all had written encouraging letters. One of the specialists now had my first order and the eggs at the office were from his pens. He had written me the best letter. One



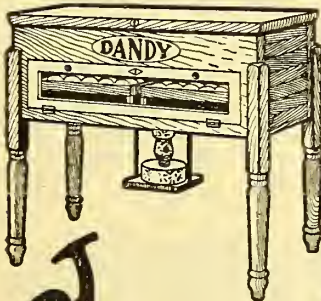
WHITE WYANDOTTE HEN
Score 94½ points. Owned by Warren Sloan,
Eldorado, Ill.

hundred jewels—no ordinary eggs were these—were to be entrusted to the "big red hen" as we had come to call the incubator. My cares and anxieties were now beginning to double up—a machine still full of mystery working on my valuable eggs and an untried brooder working

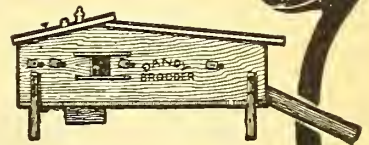
at the destiny of my first hatch of little chickens—these things were well calculated to drive dull care away as it often exists in the winter on some farms. In fact this was exactly one of the motives that started me to raising chickens—to have something worth while to do in the winter when time drags heavily if one hasn't enough work to keep him awake and healthy. My expectations in this respect have been more than met. If you want to get busy just launch out into this business of raising chickens by artificial means, determined to succeed. If you have it all to learn as I had you may wish sometimes that you had undertaken something easier. But the beginner can have plenty of informing literature and if he be willing to learn can acquire a great deal of information in a short time. As for myself I thought there was no other way to succeed, so I read and reread the best things I could get bearing upon this many-sided subject. Experience is the great teacher here and a great amount of this may be had in the first season's effort if you are ambitious.

In my investigation of the merits of the various breeds I had decided on the White Plymouth Rocks and the White Wyandottes and I believe now the choice was a wise one for me. About the time the 100 eggs I have spoken of were due to hatch I made another trip to the express office for another package of eggs. These came many miles and to my mind were very precious both because of what they cost me in dollars and cents and from the latent possibilities with which my imagination had endowed them. These were to start me with the Wyandottes and were endowed richly with the brood-to-lay idea. The birds from these eggs

They're all Dandys

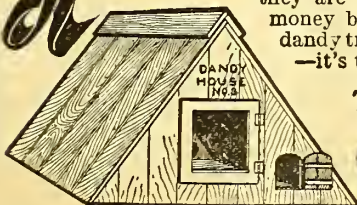


That's what users call them. They are all so simple and effective that beginners are successful from the start and raise "dandy" chickens that bring "dandy" prices with very little trouble and not much labor. The Dandy Incubator—the latest addition to the dandy line—is a new departure in incubators. It is the simplest to handle and operate, the most unique and effective hatching machine ever constructed. Possesses a number of features never before embodied in an incubator. The greatest of these is the heavy one-inch walls of kiln-dried white pine with a one-inch lining of soapstone between. Soapstone holds heat better than any other known substance suitable for such purpose, consequently the

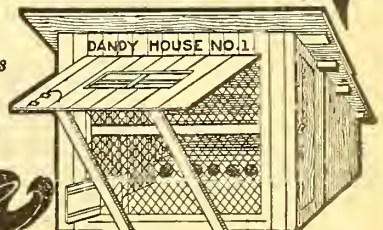


DANDY INCUBATOR

may be operated with a much less lamp flame than any other, at the same time it is better able to stand sudden changes of temperature. It may therefore be run in almost any sort of an outbuilding, does not require a specially constructed incubator house or cellar to insure successful hatches. Another marked improvement is to place the entire regulating apparatus in a compartment within the machine which may be locked up when properly set, and cannot be tampered with or changed accidentally. The Dandy Incubator has many other improvements all fully set forth in our new catalogue. Dandy Brooders, Dandy Portable Poultry Houses, Colony Houses, Exhibition Coops, Trap Nests, etc.,—the best line for practical poultrymen and beginners ever built. Each and every one of them has features different, and we think better than all others. Write for free catalogue and let us tell you why we think they are better, and why you can save money and make money by using them. Send for catalog today—now's a dandy time to get it, and get ready to raise a lot of early birds—it's the early birds that bring the best prices.



THE DANDY POULTRY NOVELTY CO.,
Box 23, DANVILLE, ILL.



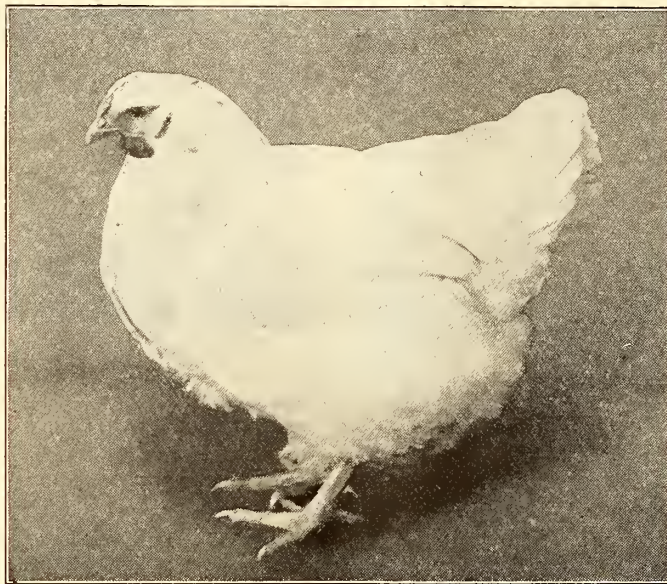
were to be especially business birds. They were to lay eggs and lots of them because they had been born and bred to do so for years. And they have not disappointed me. I firmly believe the trap nest and the careful keeping of individual records with a view to developing a strain of great layers is destined to work great things for the breeder who will devote the extra time and care involved.

The end of my first year's work found me possessed of some valuable information and several score of good looking grown-up chickens. Most of my time had been given to the routine work of a 120 acre farm, but I had been as faithful—almost—toward this side issue I had taken up as though it had been my sole occupation. The incubator had "swarmed" four times and the brooder had taken care of all, doing double duty and more under the stress of circumstances. I will not state here how many eggs went to the enrichment of the garden, or how many chicks fell by the wayside, except to say that there was enough of this to try my courage. But the beginning of the second year found me with a good start in thoroughbreds and a purpose to expand—more fixtures and more houses must be secured. A second incubator arrived in due season, larger and very unlike the first one. My faith in these machines was now well grounded and the new one was less mysterious to me and was more tractable than the first one. Confidence in my self-made brooder prompts to the making of two more with some improvements over the first. I believe the plan of my houses for the breeding pens will interest the beginner as well as the average egg-farmer. So I give it here: The house is 24 feet long and 7 feet wide, 5 feet in the rear and 7 feet high in front. It is made of matched lumber and covered with Swann's extra heavy felt. The sun has a chance at this time of year at every square foot of the floor except a little of two corners, the windows extending from the floor half way up and taking the central 12 feet of the south side. The door is at the east end and is provided with an inner door made of canvas

which is used in mild weather, the outer remaining open insuring a well-ventilated house. The roosting quarters are in the west end, with nests beneath dropping boards. A curtain is provided for use on very cold nights making the place quite comfortable indeed. This end of the house is lined inside. I find this to be a cheap house, easily constructed and very convenient. All but 6 feet on the west end constitutes a scratching shed and is bathed in sunshine these winter days all day long.

looking steadily up. The egg basket is now level full and is worth \$3.08 at present prices.

Have I been rewarded sufficiently for my time, labor and moneys expended? My experience during these beginning years as an investment in further developments is invaluable. My present equipment in fixtures and stock is worth several hundred dollars, not to mention the sale of stock and eggs last year and this to the amount of \$125. I am quite satisfied with the venture, and I hope the



A winning White Wyandotte Pullet at the World's Fair Poultry Show, St. Louis, Mo., Owned by Ira C. Keller, Prospect, Ohio.

The layers are happy and are laying eggs every day and lots of them.

During the second year ending now, I have raised over 500 chickens and have now a fine lot of attractive looking birds—birds I know will more than meet my expectations in every way. I have 100 pullets that are beauties and they are now doing business in the way that delights one when the egg market is

time may come when, in a better location, I can devote my whole time to this work.

W. S. MILLER.

Paris, Ill.

You may be able to palm off stale eggs once to your customers—but only once. Aim to get a good reputation, and your goods will be in demand. Be honest.

A GOOD POULTRY HOUSE



Admittedly the most economical roofing made. Used largely by the U. S. Government and railroad companies. Suitable for any building of any kind. Any one can lay it. It has a good reputation because it's a good roof; it is widely imitated because it has so good a reputation. If you want Quality and Durability, you'll insist upon having the original Paroid Roofing—the roof that lasts. It contains no tar. Slate color. A complete roofing kit with each roll.

Send today for **FREE SAMPLE** and book on "Building Economy." It will save you money.

F. W. Bird & Son, East Walpole, Mass., or Monadnock Bldg., Chicago.
(Established 1817.)

LOUSE SOLUTION.

Knowing that all poultry fanciers and chicken cranks suffer more or less from chicken lice and mites and appreciating the fact that it requires an immense amount of labor as well as some money every year to battle with these pests, I offer the following narration from my own experience after years of study and deliberation. I know that the reader of this article will at once pronounce me a crank but this will not change facts in the case. All improvements and all progression has been made by cranks who have studied and experimented on a certain subject until people have pronounced them insane on this certain subject. I expect all this when this article comes before your readers.

Now we start out with this assertion and court successful contradiction. There never was or never will be a louse or a mite on a healthy fowl. The old remark that "my chickens have lice and they are killing them" is as *erroneous* as it is *ridiculous*. The fowl becomes diseased from injury or lack of proper food and housing and no sooner does this occur than nature begins her work of forcing the poison from the system through the skin of the fowl and nature at once creates multitudes of the scavengers to consume this poison and restore to health the sick body of the fowl. In animals and human beings this is worked off through the agency of the kidneys but with fowls it must exude through the skin. I have had lice on a pen of Wyandottes and on no other pen on the premises, and I find that my S. C. B. Leghorns are seldom troubled with lice or mites. *Why?* because they hustle and if I do not furnish them with the proper food they hunt about the premises until they find it, aside from this breed, I find that my S. L. Wyandottes and White Wyandottes, without a balanced ration especially green bone and plenty of grit, will become diseased and then look out for lice and mites.

You may take a new poultry house with all new and improved apparatus, clean and sanitary food troughs of galvanized iron, metal drinking fountains. Keep them sweet and clean, give your chickens nourishing, but clean sweet food as I did and for two or three years you will never see a louse or a mite, and all at once you find myriads of lice or mites in your house and nest boxes and on your fowls. Where did they come from? Do you think they came in flocks like birds and stopped at your particular house instead of your neighbor perhaps only a few rods away? Were they hidden in your new material from which you built your plant and waited patiently for two or three years for you to get a fine lot of show birds and then come forth and commit their depredations? Why should they have a grudge against you in particular? When you set quietly down and look after the cause of things you will make up your mind that sick chickens cause lice and mites and not lice and mites sick chickens. Then instead of smearing your house up with liquid lice killer and insect powder you will do as I have done, get out among your fowls, look them over carefully and set to work to giving them a change of diet, something they have not had in sufficient quantities, green bone, green food, grit or something, you can find out what is lacking if you think and you will find that soon all traces of lice and mites will dis-

appear. *Why?* Because they will have nothing on which to feed as soon as the fowl ceases to exude poison through their skin the insects will *starve to death* and mingle with the dust. They have performed the work they have been created to do and their mission is ended.

Wishing all my brethren a happy and

prosperous New Year and admonishing them once again to seek the *cause* of everything pertaining to poultry before they treat the *effect*. I submit my case to the jury of chicken fanciers and await their verdict.

L. H. NUTTING.

Kenilworth Poultry Yards,
Davenport, Ia.

Free to Readers of Am. Poultry Journal

My Big Illustrated Book on Poultry and Incubators

Wouldn't You Like to Run

a poultry business that would really pay? One out of which you could pull several hundred dollars each year. A small gold mine on your farm with no big sum of ready money needed to invest. Of course you would if you could. You can know how if you will try.

The First Step

is to get my illustrated book. It contains no exaggerations. It does tell some simple, straightforward stories of how a lot of other people made good tidy sums keeping chickens. They had to have an incubator. They found that my Globe Incubator helped them make this money. In fact, they could not have made their business pay but for it.

There Are Many Good Reasons

why you should have this book. Not because it's free. Not because it contains an almanac for 1905 and many interesting photographs. Not because it tells all about how I make the Globe. Those are some good points about it. But because by reading it over carefully and profiting by what others have done and are doing you can avoid mistakes so

common in poultry raising and really succeed in making a nice thing out of your poultry business.

You Won't Be At Sea

about what incubator to get if you read the book. That alone is a good cause for getting it. Don't make the mistake and think any old hatching machine is good enough. You must have the best machine—and you can't get one better than the Globe. I won't give all the hackneyed statements that my machine is the best, that it has them all beat and that no others are in it. I will say that it is the simplest to understand and to run. It couldn't be made better. The regulator is as good as any and can be depended upon to keep the temperature right day or night. It will hatch every fertile egg because that's its purpose and that is what it has to do. And that is all you want of an incubator.

Let Me Tell You All

about it in my book. Send for it today and then you will send for a Globe. Thirty days' free trial if you doubt its being the machine you want.

C. C. SHOEMAKER,

The Man Who Raises common scrubbs doesn't make the big money in the poultry business. You must have good stock and eggs. You must get them from a thoroughly reliable poultry breeder. I run one of the biggest and best equipped poultry plants in the States. I am building one of the biggest poultry businesses in the world.

I Wish You Could See My Place

I don't think you can realize how many thousands of fowls and settings of eggs I sell each year. But you can find out pretty quick that they are of good reliable stock. I have sold thousands upon thousands of farm fowls and settings. My customers were pleased because the orders were filled just as they had expected, and because they got a little better quality than they would get anywhere else for the same amount.

In My Poultry and incubator book you will find a good many pages devoted to illustrations and descriptions of the different varieties of farm poultry. You may need some stock or eggs this season. Get the book now and make your selection.

I Have For Sale

thoroughbred Light Brahmans, Dark Brahmans, Buff and White Cochins, Barred Plymouth Rocks, and White Plymouth Rocks, Wyandottes, Leghorns, Minorcas—in fact every breed that you can get anywhere, and it would be strange if I could't suit you better than any one else. The prices are low considering the quality of the stock—low enough that you couldn't afford to place an order somewhere else without getting my list and making comparisons.

I Have Been Advertising

in American Poultry Journal a good many years. If you want to know more about me, you might ask the publishers, or you can ask anyone in the poultry business. Or I will send you references. The American Poultry Journal wouldn't let me have this space if they thought I would not be able to make good on every claim I have made. So you need not hesitate on account of being afraid you won't get just what you order. I take more pride in my friends' and customers' good opinion of the business I am doing than in getting the dollars from subscribers to any farm or poultry paper. So send me a trial order and I will make good. Write today for my poultry and incubator book. It is absolutely free.



Barred Ply. Rocks Exclusively

My breeding yards are represented by birds of royal breeding and grand individuality. **Cockerel matings:** Yard 1 headed by chl, whose sire was a first place winner at Chicago, '03. This pen is pure Bradley Bros. strain. Yard No. 2, headed by two-year-old cock, full brother to first pen cockerel at Madison Square Garden, N. Y., 1904; pen is Bradley Bros. strain. Yard No. 3 headed by the best son of cock in yard 2. **Pullet matings:** Yard No. 4 headed by the best son of the great pullet breeding cock Milo. This pen is pure E. L. Miles strain. Yard 5 headed by fine large cockerel of the proper color for pullet matings. This pen is pure Bradley Bros. strain. Yard No. 6 is old Milo with five fine large pullets; E. L. Miles strain.

Eggs \$3 00 per 15, \$5.00 per 30.

L. H. EDWARDS

R. R. 1, Owasco, Ind.

THE BREEDING YARD.

Facts worth Noting about this Very Important Part of Thoroughbred Poultry Raising.

Written by Rev. C. E. Petersen.

That the "Breeding Yard" is the poultry fanciers stock in trade we are all of us ready to admit; for without it we might raise poultry, but at the same time any definite improvement, as far as fancy points, utility qualities, or both would be very difficult of attainment, if not an absolute impossibility.

That this is not as well known as we might think it is, is seen from what is generally called a Breeding Yard. With very many poultry breeds the breeding yard simply means a half or a whole dozen fowls, containing one male in the flock, the birds may be the result of one or more settings of eggs purchased from some breeder the spring before, and as a good price was paid for the eggs, the birds must out of a necessity be all there is to be desired, that is, thus

very many reason.

Now if nothing else were wanted than a flock of pure bred birds no one could find fault with their reasoning, and we are positively sure that this is all the multitude desire, and all the trouble it cares to take in the matter of raising pure bred poultry. That year after year, eggs from such yards are shipped all over the country, as eggs coming from fancy stock, and as far as it only means from stock breeding true to color, and breed characteristics this also is all right, and mostly gives general satisfaction, where not a great deal of money is expended in the purchase of the eggs. But if this method is employed, with the idea that this is breeding fancy fowls, then such reasoning is very much at fault, as this is all what the market poulterer is doing, he uses pure bred stock, as well as the fancier, with this one exception, that he does not sell his eggs at fancy prices, to do this much more care and selection is necessary, and because of this selection being necessary, a breeding yard is necessary, not the kind of a yard as above mentioned, which simply amounts to the raising of pure bred poultry, but a breeding yard, and all that it includes.

In the jargon of the Fancier, breeding yard, stands for improvement, how often in conversation with a fellow fancier, we have heard him say "I have one of the finest matings you ever saw," or "I wish you could see my breeding yards." What does he mean by this? That he has selected a very few of his very best birds, with some notable improvement in view when he made his selection, and this is what is to be understood by breeding yard, a few fowls put together by an experienced breeder, or by an amateur, Standard in hand, that the output from these few selected birds, may have in greater perfection, what there progenitors lacked, or were deficient in. This is the sole purpose of breeding by selection, improvement always, and nothing but improvement.

We have heard quite frequently about "The unattainable Standard," but there is nothing in it unattainable, it is true that we have all of us our discouragements, but they come to every breeder worthy the name, and who sets before himself a high ideal, which ideal, is always a difficult task to reach, but not by any means unattainable.

"The unattainable Standard?" Well even if it were unattainable, we shall

Blue Ribbon Winners

FIRST COCK and FIRST PEN ON White Wyandottes

AT THE GREAT 1905 CHICAGO SHOW,

Held in the Coliseum Building, *January 23 to 28, 1905*, on *six entries*, I won **1st Cock and 1st Pen, White Wyandottes**, in one of the largest and hottest classes ever shown in Chicago, any variety and any Chicago show. The quality in White Wyandottes at this great show was extraordinary high and it took the

Best in the World to win there. But that's the kind the Congress Park Poultry Yards produce.

Eggs \$3.00 per 15

From my prize winning yards—the kind of eggs that produce the Blue Ribbon Winners that win in the largest shows in America. Orders booked now for future delivery when accompanied by cash. Immediate shipment if desired. Order early and avoid being disappointed.

EGGS \$3.00 per 15 from my prize winning Barred, Buff and White Rocks; Partridge Wyandottes and S. C. White Leghorns,

No discount for larger orders. My Blue Ribbon Winning Stock is too good to make any discount on large orders. But I have mated up several yards of extra high class breeding stock in the above named breeds and will sell eggs, guaranteed to hatch at \$2.00 per 15, or \$10.00 per 100.

High Class Stock For Sale

Congress Park Poultry Yards

CLARENCE WARD, Prop., - - CONGRESS PARK, ILL.



TRADE

MARK

The emblem of high quality
and square, honest dealings.

have the satisfaction, that we did our best to measure up to it, and to do one's best, is all any man can do, and where it is done with an appreciation, of just what is wanted, and that one thing persistently pursued, success will finally crown our efforts, and the needed improvement will be realized. And in breeding, as well as anywhere else we cannot have everything at the same time, nor try to obtain everything, at the same time, for if we do we shall most certainly fail.

It is a comparatively easy matter to keep a flock of average quality up to the average, but when we desire to go beyond the average, then the trouble, the work, and yes, the pleasure begins.

Our ideal is before us, we know now what an improvement we want to make, but to make it, certain strongly developed points are necessary, in fact we cannot make the desired improvement without them, we have a large flock, we will say for the sake of argument, and out of it we proceed to select our breeding yard, the flock looks handsome, never saw a better one, and the work of selection is begun.

One fowl after another is picked up and examined very minutely, and as we proceed, the flock grows less and less valuable.

Here is one bird which has the desired improvement in perfection, but alas, it is so bad in some other respects, that little as our amateur knows about breeding, he knows enough, to know that it would be madness to use it.

Here is another bird, good all around, all that could be desired, but in the particular point I want it is lacking most woefully, no good. And so we keep on, till almost dusk, and out of over 200 fowls we have a few that comes up to our ideal of the desired point for which we are going to breed, and we almost hate to look at the larger half of the flock good as it was a little while ago.

But the end is not yet, for the next day, after another examination, we find still more that will not muster, and as day follow day, our selected birds becomes fewer, and fewer, but at the same time better and better, we find ourselves, quite often in those two or three pens, and it is with almost a heartache, that we pick up another bird, think it over, try to reason, with our selves against better knowledge, drop her on the floor, back again in an hour, how queer it is, but that bird is the first one our eye falls on, we pick her up again, look her over once more, heave a sigh, and then carry her out to the other discarded ones. At feeding times, we linger for a while among the few selected birds, what beauties they are. Next pen containing the birds that we cannot use for breeders, and as we open the door, there stands in front of us the bird set aside in the morning, how she looms up magnificently in that pen, we repent, pick her up again, almost fondle her, and finally put her back again among the selected few.

But that bird is making us uneasy, she goes to bed with us, and in the morning she is our first thought, we again weigh the consequences of our last night's doings, goes out to the pen, takes her out again, to be gone forever. Have you ever had such an experience? If so, you know in part what it is to select a breeding yard, but when done, we have a few birds anyhow, left us, from which improvement may be expected, and what is really worth bearing the name of a breeding yard.

1854 - 1904

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This Company embodies in its product every improvement known in the watchmaker's art. For that reason the Company can and does guarantee WALTHAM watch movements without reserve and without time limit.

"No. 820" and "V" are two sizes of close-running, durable, *low-priced*, 15-jeweled WALTHAM watches. More than 12,000,000 WALTHAM watches now in service.

For sale by all Jewelers

AMERICAN WALTHAM WATCH COMPANY,

WALTHAM, MASS.

Our February Announcement—Just Read it

EXMOOR FARMS

Puts rock bottom prices on top this month and offers you honest bargain values in Wittman Brown Leghorns and a few other breeds of our 62 varieties. Just read:

BROWN LEGHORNS The undisputed champions. Note, we bred the first prize pullet at Madison Square Garden this year, the seventh year that this line has won first pullet.

FOR SALE—Males, \$4 and \$5 each. Females, \$3 to \$5 each. For prices on birds possessing any particular points of merit write us. Quality beyond question. Numbers limited. Special circular free if you state what you want.

S. C. W. LEGHORNS The Wm. Penn famous strain. We bred and sold several New York winners. Breeders \$2 and \$3 each. Embrace this offer and

BUFF ROCKS The noted Gold Face Strain. Just a few selected hens at only \$3 each. This is a "farceful" proposition because there's "gold" in it and

BLACK HAMBURGS Breeding stock sired by 1st New York cock. Handsome birds. They go at \$2 and \$3 each, and

SILVER SPANGLED HAMBURGS Breeding stock sired by imported cock and from three imported hens. Here's quality that merits your attention, going at \$2 and \$3 each, and

WHITE MINORCAS An extra large egg strain. Pure white propositions at \$2 and \$3 each, and

S. C. BUFF LEGHORNS Hens and cockerels \$2 and \$3 each. Yes, good ones, and now that you have read about our offers write us and we shall explain more fully. No room here for argument but send four cents in stamps for our 42-page illustrated catalogue, and state what breed or breeds you are interested in. Mention this paper and we will mail you, upon request, our special Brown Leghorn circular. Remember we are at your service, so write us at any time. Do it today—tomorrow never comes.

Address all letters to

EDGAR A. WEIMER

354 Harmon Court

Lebanon, Pa.

C. A. DUTTON, Leghorn Specialist and Farm Supt.

We may fail in mating up our birds for best results, but that should be the object of all our matings.

To write a concise treatise on such a subject would mean a poultry book, for it would of a necessity have to deal in part with all our different varieties of poultry.

Our object is to give some general rules to be observed, and which are applicable to all varieties.

One of the very first thing to take into consideration when mating up for best results, is the health of the birds to be thus mated.

I would under no consideration use a bird in this way impaired, or that at any time has shown signs of a failing constitution.

We consider this matter of such an importance, that to us, it would matter very little, how good a bird might be in other respects, as we would not, under any consideration use such a bird for breeding. We have no reason to doubt that a diseased condition of the breeding birds are in most cases responsible for infertile eggs.

Why it is so important to take constitution into consideration in mating up the breeding yard is because that all our future operations depends on this more than on any other thing. As the constitution of the offspring, depends upon that of parents.

This is a fact which is very insufficiently recognized by breeders of fancy fowls, but it ought to be the guiding standpoint in the mating up of the breeding yard.

There is no need for me to explain that the offspring are in everything essential the creatures of the sire and the dam, and of their ancestors, that as a whole

it is predestined by the nature of the germs from the combination of which the chicks emanate what they are, and what they are to be.

If the parental germs themselves are to begin with, possessed of inherited deficiencies, or if they have suffered by injuries so as to affect their breeding qualities, of course only bad results can be expected. The so called "Stunted Chicks" are in most every instance the produce of unhealthy breeding stock.

They were not born to thrive, their inheritance forbid it. We are also confident, that the great problem of how to hinder the annual appearance of "dead chicks in the shell," could be solved by their being positively sure of using nothing but strong, robust, healthy breeding stock.

And as more or less imbreeding must be resorted to where any noticeable improvement is wanted, it can readily be seen of how great importance a good strong constitution in the breeding stock is.

Consumption, roup, bumblefoot, are a few of those diseases most commonly met with, and all of them hereditary, or what the more learned in the matter would say, inherit a predisposition to them.

On the other hand we need not hesitate to use a bird for a breeder who got hurt accidentally. One of my very best males, wrenched his foot, in some way, and has always been lame since. Yet it does not interfere in the slightest degree with his breeding capacity or health.

That the housing of our stock birds has much to do with the general health of them, goes without saying, but here as elsewhere, poultry keeping is not al-

ways practical.

More colds, influenza, and all other ailments has been caused by so called "ventilation," than by any other means.

On fine days open the doors and windows, if so located, (and they ought to be) that both can be left open without causing a continuous draft through the house. In the fall of the year we have about a foot of fine gravel put into each of our breeding houses, and on this foundation, we use a plentiful supply of straw, chaff, or cut hay, this we clean out at least three times a week, and at the same time we clean the drooping boards, and we have no trouble with frosty walls, or damp houses during the winter months.

Our houses are made with a pitch roof, single boarded and shingled, with a good sized window in the front to let in light and sunshine, and here in our cold and rugged old State of Maine, we find this to be all sufficient and with me, have proven itself so, by giving me a lot of healthy, happy, contented, winter laying fowls, and with the kind of a winter, where the thermometer will run down to thirty below zero, and where zero weather, is the rule and not the exception.

With this kind of housing, and without any direct ventilation, we have never had a single case of roup in our flocks for more than 12 years. There is nothing that succeeds so well as success, and therefore we will continue in the same old fashioned way, giving little thought to the subject of ventilation, by improved methods.

We believe in fresh air, outside the house, and in it, for the maintenance of a strong robust constitution, and healthful exercise.

SECOND HAND CYPHERS INCUBATORS FOR SALE CHEAP

I have a large number of No. 3—360 egg size Cypher Incubators, manufactured by the Cyphers Incubator Co., Buffalo, N. Y., which I have taken to accommodate large operators who have installed Model Incubators (manufactured by me) in their hatching rooms. I will sell these Cyphers Incubators at \$18 each. They are guaranteed to be in good working order—in fact, some of them were only bought of the Cyphers Incubator Co. late last season, and are less than a year old.

RE—MODEL—ED

Some of these No. 3—360 egg size Cyphers Incubators, manufactured and sold by the Cyphers Incubator Co., I have had shipped to my factory and fitted with my split-bottom diaphragms and my new patent thermostat, and refinished. These machines I will sell at \$24 each; and inasmuch as they contain my new thermostat, I will guarantee them to regulate more accurately, with less attention, and give larger average hatches than the 1905 Cyphers Incubator, as made by the Cyphers Incubator Co. under its new management, or any other make of incubator on the market, with the exception of the Model.

This, or your money back. Here is a genuine chance to purchase a good incubator that is really cheap.

For Sale by

CHAS. A. CYPHERS

Manufacturer of MODEL Incubators and Brooders

301 HENRY STREET, BUFFALO, N. Y.

Both are quite necessary in a well constituted breeding yard, where mating for best results is practiced, and conducive to what breeding stock must have to begin with health.

Size is the next point of importance we have to deal with, and as we have already given our views in this matter we shall not go into details. Now a bird may be healthy, and of a good strong constitution, and yet be lacking in this respect to such an extent as to be useless as a breeder. Size is a near relative to shape, and without the former, the latter is not an easy matter to obtain.

The same holds true, if we go to the other extreme, and produce a bird several pounds over the required standard weight, yet any breeder would in every instance prefer the later condition to the former.

Shape is one of the great essentials in a fowl, and however good she may be in other respects, if she fails here is greatly handicapped.

All breeders acknowledge that the male controls to a greater degree the shape and color; while constitution, size and productiveness is the special function of the dam. Yet I would hesitate to use a male bird in the breeding pen deficient in size, taking for granted that the female if of good size would make up for the deficiency. It is true that she will do this to a certain extent in the first generation, but in the second generation, we will find that we made an unfortunate choice when we selected an undersized male to head our breeding yard.

We want both male and females to be of standard size, and fully mature. But be it understood, that a bird may be of standard size, yes even above it, and for all that not be sexually mature.

What we mean by a sexually mature bird, is a bird with all the sex characteristics fully developed. In the male the comb springs into prominence, and takes on an aspect that is never seen in an immature bird. This matter is not easy to describe, but the comb takes on a different hue, it fills out, and seems to quiver with life.

The spurs also becomes prominent, and so all the furnishings such as hackle, saddle feathers, sickles, in fact the whole bird seems to grow and fill out most tle while ago, he would have fought them wonderfully, he even seems to gain size right before you and the former chickenish appearance has disappeared.

He has all of a sudden become courteous, and generous to the females, a lit-without compunction to obtain for himself some morsel fit to eat, but watch him now, and hear him calling, his consorts, lifting in his bill the found morsel, dropping it, again calling, till he places it before them, and then stands by watching it disappear. The more strongly this generosity is developed the better the bird will be as a breeder.

I dislike to use a bird for a breeder that is not chivalrous, as it is our experience that he makes a poor stock getter.

It is the only creature that we know of, in which this tendency is found and when lacking, you will find that we have a henny male not fit to breed from. It may be that nature has provided this means of reducing the males flesh so as to put him into a fit breeding condition, but be that as it may it is a sure sign of full maturity as far as sexual capacity is concerned.

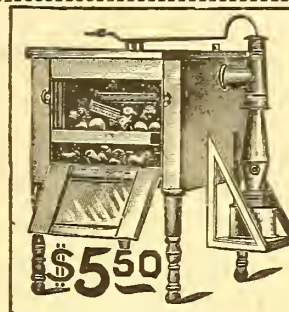
her first egg, she will have no intercourse with the male bird, and she will simply be abused and possibly unfitted for future use.

It is good practice never to put the male in the breeding yard, till the females are in full lay.

If these regulations of a well ordered breeding yard were adhered to, we would have little difficulty in maturing strong healthy stock, in place of a steadily increasing breed degeneration, largely due to a demand for fertile eggs early in the season, and to produce this demand young

immature stock is used, with the consequent bad results.

Another drawback to successful breeding, is the craze for showing, no moderation is known, and the comfort of the birds is of no consequence whatsoever. Birds that have been exhibited immoderately are not fit for breeding, as there is a limit even to the endurance of poultry. We have known in several instances birds carried from show to show for a whole winter, and we have seen show records that would make any man with common sense hesitate to buy eggs



MILLS' "EARLY BIRD" INCUBATOR \$5.50

Here is the Incubator everybody wants. It is the most wonderful setting hen on earth; always ready to hatch your eggs, and will do it every time if they are fertile. It is built of good material throughout, double walls, self regulating and handsomely finished; nothing to get out of order; will last for years and must not be compared with anything on the market.

It is a perfect hatcher of 55 egg capacity—just the thing for private families wherefrom a few dozen to several hundred chicks are to be hatched during the season; so simple anyone can operate it and after you try one you will have no other, and your neighbors will want them.

This "early bird" is the result of our experience in raising poultry on our large poultry farm and we guarantee every machine to give satisfaction, and in order to place one in every town in the United States at once we make the price \$5.50, and can ship machine at once on receipt of order.

Our new Catalogue of Thoroughbred Poultry, Poultry Supplies and Incubators will be mailed free to all who apply for it.

F. B. MILLS, Box 514, Rosehill, New York.

Barred Rocks, White Wyandottes and Bronze Turkeys

Winners wherever shown. Eldorado, December, 1903, won 2d, 3d cockerel, 2d hen, 1st, 3d, 4th pullet, 1st pen. Wyandottes, 1st, 2d, 3d and 4th cockerel, 2d, 3d, 4th pullet, 1st pen. Enfield, December, 1904, 2d Barred pullet; Wyandottes, 1st cock, 1st and 3d pullet. Olney, January, 1905, 1st Barred pullet. Wyandottes, 2d cock and cockerel, 3d hen and pullet. Turkeys have never been defeated. Will sell eggs from our prize matings \$2 per 15, \$3.50 per 30, \$8 per 100.

WARREN SLOAN

R. 4, Eldorado, Ill.

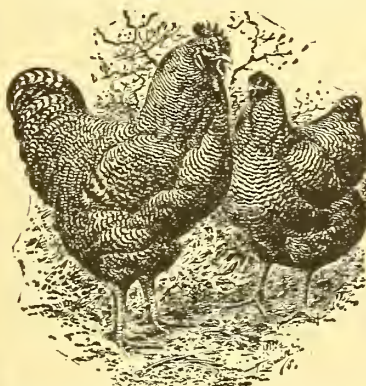
You Want Something Good

for the shows or your breeding pens. We have some extra good chicks; also choice aged birds for sale. Nothing but White Plymouth Rocks bred by

HILL TOP POULTRY YARDS

Box 434, Anderson, Ind.

1000 Birds For Sale at Half Price



Must dispose of them to make room for my breeding stock. I guarantee every bird sent out to be first-class.

CHICKENS:

Single Birds\$2.50
Trios 5.50

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..... I BREED.....

Buff Wyandottes,
White Wyandottes,
Silver Wyandottes,
Golden Wyandottes,
Buff Plymouth Rocks,
White Plymouth Rocks,
Barred Plymouth Rocks,
Buff Cochins,

Partridge Cochins,
White Cochins,
Light Brahmas,
Black Minorcas,
Silver Spang'd Hamburgs,
Black Langshans,
S. C. B. Leghorns,
R. C. Brown Leghorns,

R. C. White Leghorns,
S. C. White Leghorns,
Buff Leghorns,
Buff Cochins Bantams,
Pekin Ducks,
Toulouse Geese,
Bronze Turkeys,
White Holland Turkeys,

Special prices quoted on larger lots, also other varieties. It was impossible for me to fill all my orders for stock last year, but I have a large supply on hand this year and want to dispose of part of them as soon as possible, and have made the prices low enough to give every person interested in poultry a fine pen for a very small amount of money. My 14th annual circular is free. Write for one

S. A. HUMMEL

Box 52, Freeport, Ill.

Agents
wanted.
Liberal
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ments.



Your Fowls are Sick

Moping, sneezing, rattling in their throats, eyes swollen, breathing with difficulty. You are losing them by dozens. **That is Roup**—The scourge of the poultry yard—as infectious as diphtheria.

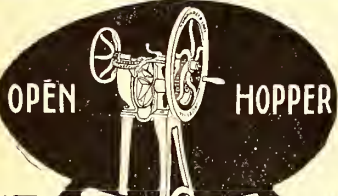
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is guaranteed to **cure**. Placed in the drinking water it kills the germ and cures without effort on your part. Order now and be prepared. If your **Druggist or Poultry Supply Dealer** has not got it, send direct to us. Post-paid in 50c and \$1.00 packages. It prevents as well as cures **Colds, Roup, Canker** in chickens, turkeys and pigeons. We refund your money if it fails. Beware of imitations. None so good as **Conkey's**. Our book on poultry diseases **FREE**.

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Pacific Coast Agents,
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THE HUMPHREY GREEN BONE & VEGETABLE CUTTER

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FREE TRIAL.

It's the only bone cutting machine free from troublesome partitions; turns easily with one hand; the feed is always under the operator's control. The simplest, most durable, most satisfactory in every way. You will say so yourself when you see it. Try a **HUMPHREY** and be convinced. Catalogue and special offer free. Send to

HUMPHREY.

White St. Factory, Joliet, Ill.

Ask about the Humphrey Rapid Clover Cutter for poultry; makes the finest poultry feed. No long pieces.

In the female breeder, where no fore-ign have been indulged in for eggs the signs of maturity is just as visible as in the male. She becomes less awkward in her movements, fills out, or we may call it shapes herself. Here too, the comb is an indicator, as in the male it reddens and fills out, and the bird is what we call in "the pink of condition" just before laying her first egg. A female should never be put to a male till she is in that condition, for if immature, and perhaps a month or more removed from from a pen of birds whose sire has a record of not less than a dozen shows in a single season.

This is why so many of our foremost breeders do not show at more than one of our largest shows in a season, being to much of a strain on birds that are to be used as breeders.

Then the risk of showing is also great, as it is generally the best of our flock, and worth in some instances hundred of dollars, no breeder can well afford to run chances of this kind, where not only pecuniary loss may be sustained, but our most valuable bird possible made useless for the seasons work as a breeder.

We are one of the many who are firmly convinced that one, or two at the most, of our large shows is enough to exhibit our birds in for one season. More so as our large shows comes in the month of January, when our pens are made up, and when climatic risks are of course much greater than in the fall months of the year.

A REMEDY FOR COLDS.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Please publish this simple remedy for colds in fowls. Sometimes a bird will take cold when it is impossible to get medicine, and this is always on hand and acts almost like magic on my birds. Birds will take cold in the best cared for flocks. Take a tablespoonful of lard, one teaspoonful of ginger and cayenne pepper, make into pills about the size of a small marble with flour, and at the first symptoms of a cold give one pill three times a day, if there is no break up to the cold, repeat the dose. Separate the birds, if convenient, from the others. Have never had a bird in my flock that this did not cure.

SUBSCRIBER.

SHIPPING VALUABLE BIRDS.

We have observed that many breeders do not give the attention they should to forwarding valuable birds in the best way. Manufactured solid wood crates are best to ship in. They display a good appearance, are light yet strong and durable, and give you the benefit of a low express rate.

No express company charges more than 1½ merchandise rate between any two points on such crates, and where the merchandise rate to destination is \$2 or over per hundred pounds, single or one rate is charged.

Male birds should be shipped in crates 20 to 24 inches high, thus preventing the tail from being damaged. For distant shipments ample feed cups and utensils should be provided, making it convenient for expressmen to properly care for the birds.

Some breeders, not true painstaking fanciers, will throw their birds into a heavy goods box, attach a tag and send them out. As a result the customer gains the impression that such a breed-

er is in the business for pecuniary gain only, and is likely to place his orders elsewhere in the future.

If proper care is observed in forwarding stock or eggs they will arrive in perfect condition, even though they may be destined for a point thousands of miles away.

Such methods have a lasting impression on the customer and as a result you are very likely to merit his future patronage.

Hazelrigg, Ind.

C. S. BYERS.



\$3,500 IN GOLD GIVEN AWAY

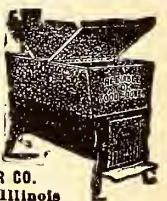
In premiums to buyers of our Corn, Field and Garden SEEDS. The greatest plan yet.

Iowa Grown Seeds at rock bottom prices. Farming and Gardening pays where you plant. Berry's Seeds. 976 premiums from \$1.00 to \$1.00. Better get your share of this cash. Send for Free Catalog.

A. A. BERRY SEED CO.,
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A Reliable Cooker

A food-cooker and water heater that is made to last and give satisfaction. Reliable Cookers are money savers. Made of best cast iron—galvanized steel boiler. 20 gals. \$5.00; 35 gals. \$8.00; 50 gals. \$10.00; 100 gals. \$12.00. Catalogue free.



RELIABLE INCUBATOR AND BROODER CO.
Box A-1 Quincy, Illinois

A COPY OF **Vick's** 1905
Garden and Floral Guide
Mailed **FREE** on Request
JAMES VICK'S SONS, 103 MAIN ST., ROCHESTER, N.Y.



LEG BANDS

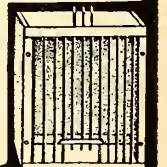
Sample & poultry supply catalog for stamp.

EMPIRE—The old reliable. PERFECTION—Very light. Thousands in use. All sizes, easy to apply, sure to stay on. 12-15c; 20-25c; 50-60c; 100-75c. Price: 15-25c; 50-60c; 100-91.

EXHIBITION and SHIPPING COOPS made of the best seasoned base wood. Light, yet very strong. Five sizes of shipping coops. All sizes of exhibition coops, folding and knock-down. Write us for prices.



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10,000 Plants for 16c

More gardens and farms are planted to Salzer's Seeds than any other in America. There is reason for this. We own and operate over 500 acres for the production of our warranted seeds. That you may try them, we make you the following remarkable offer:

For 16 Cents Postpaid

1000 Fine Solid Cabbage,
1000 Rare Luscious Radishes,
2000 Rich Buttery Lettuce,
1000 Splendid Onions,
2000 Juley Tender Turnips,
2000 Kaffy Tender Celery.

1000 Gloriously Beautiful Flowers. Above seven packages contain sufficient seed to grow 10,000 plants, furnishing bushels of brilliant flowers and lots and lots of choice vegetables, together with our great catalogue telling all about Flowers, Roses, Small Fruits, etc., all for 16c in stamps and this notice. Big 140-page catalog alone, 4c.

JOHN A. SALZER SEED CO.,
La Crosse, Wis.



SELECTION FOR STRENGTH AND VIGOR.

The importance of strength and vigor in the breeding fowls is perhaps quite often overlooked or at least given less consideration than it should receive. It is a great temptation for the poultry keeper to retain for breeding purposes a specimen which in some respects very closely approaches his ideal of the variety he may be breeding, although he recognizes at the time that the bird is seriously lacking in constitution. A bird of that kind is not very apt to stamp his good points onto his offspring, but is pretty certain to breed disappointment for the poultry keeper who attempts to raise the chicks that come from the pen he heads. The prepotent male or female is usually the strong, rugged, vigorous, active birds which impress one at first sight that they have force and constitution back of them. There will never be too much attention paid to the selection for strength and vigor. It is the foundation of successful breeding. Without it our best varieties of thoroughbreds would soon degenerate into mongrels of the poorest kind. Radical outcrossing of entirely unrelated blood is not essential to obtain it, but proper selection and mating will improve a strain in strength and vigor just as well as in egg production, shape, size or color. Strong, vigorous birds invariably make the best and most prepotent breeders. Strength and vigor are the very first requisites in a flock if best results are sought. There is no time when the old fowls show plainer their ability to withstand adverse conditions than when going through the moult. A bird that has hard work to keep up its strength and vigor at this time, should not be used as a breeder under any circumstances. Select for the next season's breeders the cocks and hens which show the least bad effects from the moulting and you will hatch chickens which are born to live and thrive in spite of any ordinary adverse conditions which may chance to overtake them.

In selecting the future breeders from

among the young stock too much attention should not be paid to early development. Early maturity is not necessarily the accompaniment of the highest type of strength and vigor. The birds which manifest the disposition to steady growth and continue to keep in good condition although they may be somewhat backward in sexual development, will usually prove of equally vigorous and strong constitutions and be much more satisfactory all around as breeders. As a rule the first cockerel to crow is the first one to stop growing and the same may be said of the early laying pullet. Sexual development interferes with the best growth of the specimen when it takes place too early, and among the larger breeds the earliest maturing birds are rarely typical representatives of the breed.

In some cases real early maturity could almost be said to be antagonistic to the strength and vigor of the flock, for if the pullets come to laying too early in the fall, they are pretty sure to stop laying and go into moult as soon as settled cold weather starts in. The unnatural drain of this unseasonable moulting on their constitutions is pretty sure to be noticed and though they may come through apparently in good condition the evil effects will be apparent in the next season's hatching and in the young stock raised from their eggs.

The best results are usually obtained from the two year old hens, and pullets should not be allowed to take their place in the breeding pens, when they can be had. The practice of replacing the hens with pullets every year for breeders is pretty sure to result in weakened constitutions and under-sized stock. The best hens should not be discarded as breeders until their usefulness is past if one is aiming for steady improvement in quality. Hens usually lay larger eggs than pullets and the eggs are generally more strongly fertilized, hatch fully as well or better and chicks come larger, stronger and more determined to live and thrive. It is usually the case that the hens' chicks develop into larger birds

than those hatched from pullets, although I think the chief difference and the one most easily recognized is the more rugged and hardy constitutions of the hens' chicks. They seem to stand more adverse conditions than those from the pullets' eggs. There is no way in which breeders can popularize the thoroughbred fowl more than by careful selection for the hardest, strongest and most vigorous specimens.

VICTOR D. CANEDAY.

Taylor's Falls, Minn.

WALNUTS WILL MAKE HENS LAY.

During the dry fall just passed hens did but little at laying eggs. I found that feeding walnuts to my hens produced better results than anything I ever fed them before. They have been laying 22 to 30 eggs a day for nearly two months past, which is not bad for a flock of 36 hens at this time of year. I am confident the walnuts I feed them cause this result. They not only eat the kernel greedily but eat freely the hard part of the shell, which is an excellent grit. I gathered and dried the walnuts in the shell—did not shell them. They cost me nothing. My breed of fowls are single comb Brown Leghorns.

J. R. HUDSON.

Hardin Springs, Ky.

PREMATURE MOULT.

Many poultrymen complain to me this winter of their birds moulting second time this year. Warm, late fall may have quite a little do to with it. Sudden changes from warm to cold weather is apt to in many cases cause breeders to feed heavier. In a way this is forcing them. As we have many changes in this part of the country from cold to mild weather, young as well as old birds have moulted second time. Be careful about extremes in feeding at these times or birds will not breed well.

M. E. WURTS.

Cleveland, O.



JONES "THE WYANDOTTE MAN"

With more and better birds than will ever be found at "The Pines," Paducah, Ky., U. S. A. This is the original Jones, "The Wyandotte Man," formerly Edinburg, Ind.; you know the kind he breeds.

STRONGEST BLOOD LINES ON EARTH

This fact has been proven year after year for the past ten years by a long list of winnings at all the leading shows of the country, at such exhibits as the St. Louis World's Fair, New York, Chicago, Indianapolis, Springfield and numerous other large shows, besides furnishing many of the winners at the largest shows. What other breeder ever furnished four first winners at the largest Chicago show ever held? I can furnish you birds that will win in any company. High-class breeders in pens, trios, pairs, single or any number. I can supply your wants in

Silver, Golden, White Wyandottes

G. S. and S. S. Bantams. I have no over-stock, nor do I need the room, but I have now on hand and ready to ship

1000 Choice Selected Birds to Sell 1000

When I say this I mean that there is not a bad bird in the lot, not a bird but has the blood of the noted winners of the world in his veins. I have no cheap birds for sale at any price, but I have a grand lot of good birds for sale cheap.

Eggs for hatching after January 1st \$3 per 13, \$5 per 26

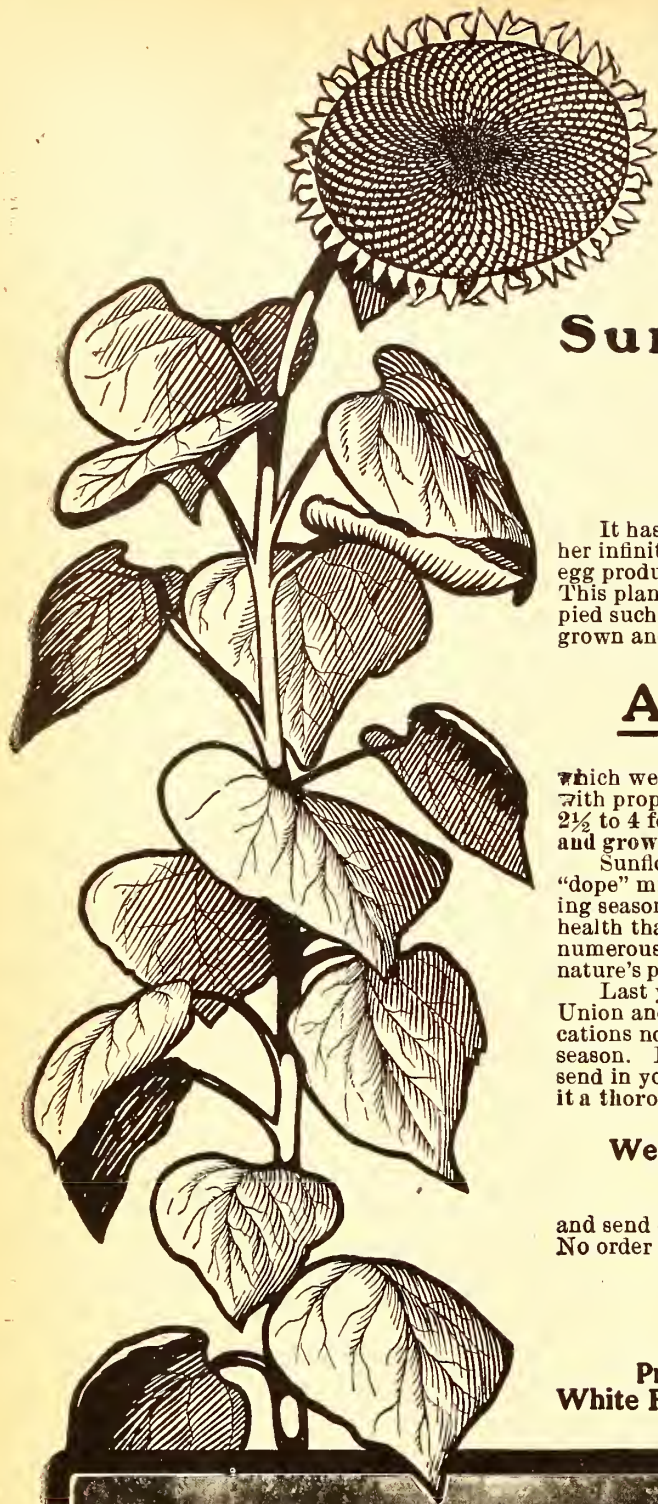
Send for the elegant illustrated catalogue. A book that tells you all about Wyandottes, how to breed them, with illustrated articles on mating; a book worthy a place in any library. Send 4 cents in stamps for mailing.

GRAND KENNEL OF SCOTCH COLLIES

with the purple blood of the Collie world. Puppies, Brood Bitches and Stud Dogs always for sale.

R. E. JONES

R F D 5, "The Pines," Paducah, Ky.



We Have Discovered The Secret

Sunflower Seed Will Make Hens Lay In Winter

It has been our good fortune to discover the secret. Nature, in her infinite wisdom, provided a plant, the seed of which will increase egg production and will assist poultry through the molting period. This plant is none other than the old-fashioned Sunflower that occupied such a cherished spot in our grandmother's garden. It is easily grown and will yield a good crop anywhere. The

American Giant Sunflower

which we have grown for years and have perfected to a high degree, with proper cultivation produces mammoth heads measuring from 2½ to 4 feet in circumference, weighing from 5 to 10 pounds each, and grows 3,300 strong, healthy plants to the acre.

Sunflower Seed is a natural feed for fowls—takes the place of "dope" mixtures. When properly fed brings birds through the molting season in one-half the usual time, with better plumage and better health than by feeding linseed meal, cottonseed meal, or any of the numerous "doctored" preparations offered for this purpose. It is nature's provision, works in nature's way, and produces natural results.

Last year we supplied seed to poultry raisers in every state in the Union and many in Canada. Results were so satisfactory the indications now are that we will have to hustle to fill orders for next season. However, we had a splendid crop and delight in hustling, so send in your orders early and be ready to plant an acre or more. Give it a thorough test, it will greatly increase your poultry profits.

**We Send Enough to Plant an Acre, Express
Paid, For 50 Cents**

and send directions how to plant, grow and harvest, with each order. No order filled for less than 50 cents. Address all orders to

EDDY & EDDY

Proprietors
White Rock Poultry Farm

Mannheim,
Illinois



HINTS TO BEGINNERS.

A Few Timely Remarks for the Benefit of Those Who are About to Start Raising Fowls.

After you have made up your mind to keep poultry, make up your mind again to keep just one kind, and get the very best you can afford. There are a number of breeds in this country that are suitable for any branch of the poultry business, decide on the kind that best suits your fancy and that is best adapted to the branch of the business that you intend to follow. If eggs are the principal object the White Leghorns or Black Minorcas are good fowls to look to. For broilers the White Wyandottes, White Plymouth Rocks or Rhode Island Reds are good ones to choose. For roasters, the Light Brahmans, Buff and White Cochins or Langshans will fill the bill, most any breed well taken care of will bring in good returns. It is not so much the hens as the man behind the hens. Many young persons fail because they are not enough in earnest at the start, they make a great show of trying, and are merely "firing blank cartridges at the target of success." By and by when they come to look at the target they find it untouched. This is part of the secret of the failure of ninety-nine of the hundred persons who start in the poultry business. It is the secret of many failures also in mercantile, professional and industrial life as well. See that you have a bullet as well as powder in your gun if you are going to shoot at a mark, and if you are going to start in the poultry business don't lose for lack of earnestness or a strong, sincere purpose. "Tis work that counts—not idle dreams." The value of an object lesson is not confined to children alone. The poultry keeper who visits a well arranged poultry plant or show, should receive many object lessons that will be a benefit

to him in his own yards. When he is in the neighborhood of a fine poultry farm or upon hearing of a person who makes a specialty of fine fowl, he should take the opportunity of looking the stock over and learning all he can from the truest of teachers—the man of practical experience. There are not many soft snaps in the poultry business, if a man is bound to win. The time to think is before you start, then keep right on thinking and push hard.

The man who never stops to think,

Through haste is oft bereft.

The man who stops to think too long

Stands 'round till he gets left.

Go at the term "good luck"—pick it all to pieces, after that you'll call it "good management." Remember that little leaks sink great ships. We sometimes hear young men who have tried to "keep hens" say, "Oh, there's no money in poultry—hens don't lay enough to pay for the feed, sick half the time and it's too much like work." Poultry keeping has no use for a lazy man, it is the man that throws off his coat and goes to work—the determined kind—that succeeds. The successful man loves his work—it is a pleasure to him; not an irksome task—he rises in the morning with the sun and goes about his work as happy as a king. His birds know him, for he is always kind to them; he raises a lot of chicks and feeds them well and whatsoever is best for his pets he does for them without a grumble, and goes around singing:

It's do the chores in the morning, and and keep to work till night.

The roosters gave me warning before a peep of light

To get their feed and rustle; bring enough for every one.

All poultry folks must hustle till the day is almost done.

Many an evening when his work is done he sits down in his cozy home and reads the AMERICAN POULTRY JOURNAL and other poultry journals. Thus he stores his mind with useful knowledge which,

when carried into practice, brings him in many extra dollars.

Dollars, dollars—yes young man—get as many as you can, Hustle up and do your best, and your hens will do the rest.

Do not build expensive houses for they are unnecessary, the most important thing is to have them warm in winter and cool in summer, light and airy; a floor of earth is the best; the house, roosts and nest boxes so built as to be easily cleaned. Small houses are the best for most people, as small flocks give the best returns, because each fowl gets better attention as a rule. Some think that fowl do better on free range, but just as many succeed when their poultry are confined in yards of generous size. If the yards are large enough to keep green stuff growing a greater part of the time, and the fowl are supplied with plenty of grit, charcoal, etc., they will have no desire for free range, and your eggs will be fully as fertile. Spade up the runs once or twice a year and sow rye or something of the kind. Have plenty of shade, sunflowers or young fruit trees are good, be regular in feeding, watering and caring for your stock, the man that one day overfeeds and the next day underfeeds his birds, reminds me of the Irishman who, by alternately stuffing and starving his pig, thought he would produce a streak of lean and a streak of fat through his bacon. Keep the drinking vessels out of the sun during hot weather and keep them well filled, for fowl drink lots of water. Have the water cool in summer and warm in winter.

Remember when the winds are chill—The winds of bleak December—For hungry birds a dish to fill And water that they can not spill.

Don't let the young and old stock run in the same flock; yard them as near as possible, all of the same age. Keep the birds busy by throwing the whole grain into litter of some kind—they will work a long time over a handful of millet seed. Whitewash everything twice a year; it



FISHEL'S WHITE P. ROCKS

I am sure need no introduction to you. If you want the best obtainable (at the price of stock with no breeding behind them) let me figure with you, please. Our record of

17 World's Fair Prizes 17

has never been equaled by any White Rock breeder and proves the superiority of the Fishel White Rocks. I breed my winners and win with my breeders. This proves my matings are a success. I have something like 3000 birds to sell. Birds that will give you excellent results. With all our winnings my price for

Eggs For Hatching Remains \$5 Per 15

Have you seen my new 48-PAGE CATALOGUE? Send 3 two cent stamps for a copy. It is the finest poultry catalogue ever issued. Just like the Fishel White Rocks—THE BEST IN THE WORLD. Address

U. R. FISHEL,

Box A, Hope, Ind.

Pure Bred White Wyandottes

I have carefully selected four pens of my very best White Wyandotte hens and pullets, of good size, shape and excellent laying qualities, mated with fine young cockerels of superb carriage, beautiful, snow-white plumage and fine Wyandotte points. These birds are healthy, vigorous young stock and will produce first-class chicks. I offer eggs from these choice matings at \$1 per sitting of 15. Satisfaction guaranteed.

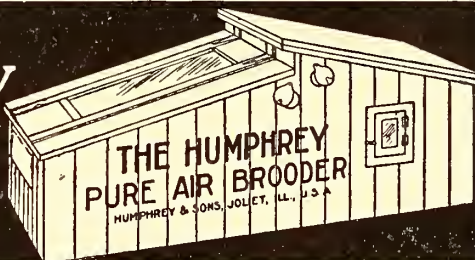
MRS. T. F. LEONARD,

Box 94, Mt. Sterling, Ohio.

Don't Let Your Chicks Die!

You can double your poultry profits by raising all the chicks you hatch instead of murdering 75% of them in a death-trap brooder. This means dollars to you. Investigate the newest, most original, scientifically correct brooder ever built—

THE HUMPHREY PURE AIR BROODER



Top heat; perfect regulation of temperature; double circulation of heat and pure air; perfect ventilation; no trampling; easily kept clean; perfectly sanitary; most convenient; most economical in oil, and guaranteed to raise more chicks than any other brooder ever made. We especially urge all poultrymen who have suffered loss and disappointment from poor brooders to investigate. Already used by hundreds of leading poultrymen. Don't waste your time and kill your chicks with old-fashioned brooders—get the latest and best. You owe it to your own best interest to investigate.

World's Fair Winners—Raised in the Humphrey.

HUMPHREY & SONS, Joliet, Ill.

North Adams, Mich., Dec. 5, 1904.

Gentlemen:—We are glad to inform you that all the young Orpington stock we exhibited at the World's Fair were raised in the Humphrey Pure Air Brooder. We were very successful at this show where we won first, third and fifth cock, second and sixth cockerel, second, third and fifth hen, first, fourth and sixth pullet and first and third pen in the Single Comb variety, and first cock, first cockerel, second hen, third pullet and first pen in the Rose Combs. We competed against 8 of the foremost breeders, including Wm. Cook & Sons of Eng. We raised about six hundred last season and the most of them in your brooders. We liked them so well that we bought six more of you this year. They are as easy to run as an incubator. You can set them at any degree of heat, 70, 75, 80 or 90, and they will run right there like a clock and without much more trouble.

Truly yours,

KNOWLES, YOUNG & CO.

Send for new book, "Poultry Helps," 48 pages. Printed in colors. It points the way to poultry success. It's free, but it means bigger profits for you. Address

HUMPHREY, WHITE STREET FACTORY, JOLIET, ILLINOIS.

The Great Question

for the next few months will be, "What Incubator shall I buy?" If we could talk with you face to face and explain the many advantages of the

Perfected Von Culin

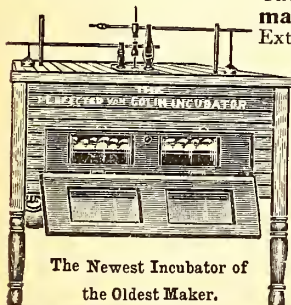
the question would be answered most satisfactorily to us both. This machine is the result of practical experiments and tests extending over a period of 30 years. The inventor Mr. C. Von Culin is widely known as a pioneer in incubation. He built his first machine in 1873 and has been continuously in the manufacture of incubators and brooders ever since 1885.

The result is the **most perfect and simplest machine** on the market. Kiln-dried Lumber, Extra Thick and Packed Double Walls, Full Sized Heaters, Metal Safety Lamp, Improved Thermostat absolutely controls heat, Tested Thermometers, and a first class Egg Tester. It takes only about $\frac{1}{2}$ as much oil to run this machine and your hatches will run about 20 per cent higher. A big saving every year. You won't quarrel with the price.

Our "Boiled Down" Catalogue tells you what you want to know, simply and in the fewest possible words. It is a time saver. We send it free. Write today.

WAYLAND INCUBATOR & MFG. CO., Box 53, WAYLAND, N. Y.

Sole Makers of Von Culin Incubators and Brooders.



The Newest Incubator of the Oldest Maker.

brightens up your plant and helps keep down vermin. Get your chickens out early. If of the larger breeds, March and April are good months. For the smaller class, April, May and June.

For good results in fertile eggs ten hens may be mated with a cock, but I get more strong chickens from six or eight females and one male—my birds are Light Brahmas. By feeding green cut bone three times a week, either alone or in the morning mash, green stuff at noon and whole grain at night—a goodly number of eggs should be produced during the winter months. If a hen lays only one egg a week it will pay for her food, and every egg she lays over that is profit, so it pays to feed for eggs. In setting hens let the nests be on the ground in a cool place in warm weather, but in cold weather make them as snug and warm as possible. Small or medium-sized hens make the best setters for they will not break the eggs or kill the chicks so easily as large hens. Have the nests for setters so they can walk in upon them. Do not try to hurry a setting hen; if she don't want to set she won't. Remove a hen, that you want to set in a new location, at night, try her on a few artificial eggs first to see if she means business. Give her plenty of water, grit and whole grain, also dust her and the nest with lice powder and keep your hands off for twenty-one days. The hen knows her business, if she don't you can't teach her. In setting give eleven eggs to a hen till the middle of April and thirteen or fifteen after. Do not feed the chickens until they are twenty-four or forty eight hours old; they come into the world with a full crop. The first food I give the youngsters is stale bread crumbs, moistened with sweet milk. I give them water from the start. During the first two weeks I feed them every three hours, a little at a time, bread crumbs mixed with corn meal. Millet seed and pin-head oat meal after they are two weeks old. I give whole wheat or cracked corn at night, a soft feed in the morning and a little cooked meat and vegetables at noon. Never feed any sloppy food either to hens or chicks. A clean fast is better than a dirty breakfast. Always have a clean place to feed. Keep your chickens busy and when night comes they will be in a condition to enjoy a quiet night's rest. Give them plenty of room to sleep in and you will find them in the morning all ready for another day's sport.

C. W. BIXBY.

EGG LAYERS AND PRIZE WINNERS.

It is sometimes said that fowls bred for fancy points must be bred so, regardless of egg production. I know of a case where I exhibited pullets and won first and second, and everybody said at the time that the second was of the egg laying type and first was a show bird. But from my egg record I find my first prize pullet the best layer I ever owned. Respectfully,

Jos. A. BURKHART.
Smithsburg, Md.

George F. Hoffman, Cuba, Wis., won as follows on his Rose Comb Brown Leghorns at Warren, Ill., December 12-17, 1904: 2d, 3d, 4th and 5th cockerels. 1st, 2d, 3d, 4th and 5th pullets 1st pen.

Winchester Poultry Yards, Winchester, Ky., won as follows on S. C. Black Minorcas at the Birmingham, Ala., show, December 6-9, 1904: 1st cock, 1st hen, 1st cockerel. A 93-point pullet didn't get a place.

Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

MEETING OF THE AMERICAN ORPINGTON CLUB.

The American Orpington Club held its annual meeting at Madison Square Garden, New York, Thursday, January 5, 1905 at 4 p. m. Dr. Paul Kyle president, in the chair.

Minutes of the last annual meeting were read and approved. Reports were made by the president and secretary-treasurer.

The president congratulated the club on the steady progress made by the Orpingtons, as shown by the increased number of entries this year, 257, against 176 last year, the total number of Orpington birds in the show being 369. The president recommended that the club do more in the future in the way of increased prizes.

The secretary-treasurer reported an increase of membership for the year of fifty-eight, making the total membership 184.

During the year the club has joined the American Poultry Association, has held informal meetings at St. Louis and at Herald Square, New York.

The executive committee continues the club policy of giving special club ribbons at every show in the country to members who were first in any class of Orpingtons where there are two or more competitors. They also gave cups at Herald Square and Madison Square, New York, at Boston and Chicago.

The treasury of the club was reported in very satisfactory condition, all expenses paid and \$75 on hand for next year.

A tribute was paid to the memory of Mr. William Cook, member of the club and originator of the Orpington breed, and resolutions of sympathy ordered engrossed and presented to his family.

The secretary was authorized to solicit subscriptions for a \$100 club chal-

lenge cup to be won by members three times at Madison Square Garden before final possession obtained, but each year's winning to be rewarded by a club silver medal in full ownership by the winner.

The conditions are that the best male or female rose or single comb in any class of any variety of Orpingtons owned and exhibited by a member of the club shall be entitled to the prizes.

Mr. Richard Oke, one of the club judges, judged the show to entire satisfaction.

Messrs. Frank W. Gaylor, West Farms, N. Y.; Mr. Richard Oke, London, Ont., and Mr. Percy A. Cook, Scotch Plains, N. J., were appointed club judges for 1905.

Mr. Wallace P. Willett declined reelection to office.

The following officers were elected: President, Dr. Paul Kyle, Flushing, N. Y.; vice president, Mr. Frank W. Gaylor, Gedney Farms, White Plains, N. Y.; secretary-treasurer, Mr. Chas. Edward Faber, Plainfield, N. J.; executive committee, the above officers and Mr. Chas. E. Vass, Washington, N. J., and Mr. Percy A. Cook, Scotch Plains, N. J.

After the pleasant interchange of compliments over the extraordinary display this year of Orpingtons in quantity, quality and money value, and with the brightest outlook possible for the breed, the club adjourned.

WALLACE P. WILLETT, Sec'y.

ANNUAL MEETING OF THE AMERICAN LEGHORN CLUB.

The eleventh annual meeting of the American Leghorn Club was held at Madison Square Garden, New York, January 4, 1904, at 4 p. m. The meeting was the largest and most enthusiastic held in years. Thirty members were present. Several important matters were very warmly contested.

Resolved, That a life membership be made at \$10.

E. G. Wyckoff was elected as delegate to American Poultry Association for 1905.

Eighteen new members were elected to membership.

Election of officers as follows:

W. F. Brace, Victor, New York, president; vice presidents, A. D. Arnold, E. G. Wyckoff, E. B. Cridler and W. T. Lidel; W. W. Babcock, secretary and treasurer, Bath, N. Y. Executive Committee, Geo. H. Burgott, W. H. Webkie, F. O. Groesbeck, Clyde Patterson, W. T. Wittman, E. D. Pierson, M. K. Cornwall, W. E. Bright and E. A. Weimer.

Mr. Crawford offered to club cash \$50 for every \$300 raised by the club as cash specials, to be offered at the 1906 New York Show. Subscriptions were started and \$115 in cash was donated by members present.

W. W. BABCOCK,
Secretary and Treasurer.

Bath, New York.

THE SILVER WYANDOTTE CLUB CATALOGUE.

The Silver Wyandotte Club of America will issue a catalogue in the near future that will be a work of art and the finest ever gotten out by any specialty club. If you are a breeder of Silvers write the secretary, A. C. LeDuc, Chenoa, Ill., regarding advertising rates, etc., and he will tell you all about it. Special rates to new members.

A. C. LEDUC.

LAKE GENEVA, ILL.

The second annual exhibition of the Lake Geneva Poultry Association was a success in every particular, demonstrating the fact that to make a success of anything united action and unremitting work is essential.

From a small beginning a little more than a year ago, the association has grown in strength and importance until it stands today, after the second annual show, as a gratifying example of what push and energy will do.

The revised entry list shows about 600 entries, including all of the more important breeds and many of the rarer breeds of poultry, also dogs, cats, goats, canaries, parrots and specimens of the



A FREE FOR ALL HATCH

JEWEL INCUBATORS and BROODERS are sold on **thirty days' free trial**—a guarantee backed up by a capital of \$2,000,000. We will prove to anyone

that our machines are more accurate and sure than any others known. Perfect regulation, automatically controlled. Our Supply Catalogue gives full particulars concerning our unequalled offer and tells how to raise poultry at the least expense. A large three color picture of a White Plymouth Rock cock, that sold for \$500.00, will be sent those interested. We are the largest poultry supply dealers in the world.

JEWEL CHICK FEED is prepared and manufactured by us. It is guaranteed to raise more chicks to maturity than any other grain feed known. It is a perfectly balanced ration. Money refunded if it fails. No dirt and mill sweepings found in this mixture. Only pure, sound and wholesome grains used in the Jewel Feed. No up-to-date farmer or poultryman can afford to be without our catalogue. It's Free.

Address: POULTRY DEPARTMENT, Box E, INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN.

ornamental class. A particularly agreeable feature of the show was the absence of any dissatisfaction on the part of exhibitors. This was due mostly to two things. The excellent arrangement of the coops and varieties in the rooms by Superintendent Mr. Small and also the work of the judge. He proved to the exhibitors that he thoroughly understands his business and that any bird that passed through his hands with a good score is fully entitled to it.

DAVENPORT, NEB.

The second annual exhibition of the Big 4 Poultry and Pet Stock Association was held during last week of December, and was a decided success in every way. There were 300 birds on exhibit, and of a superior quality. Judge J. J. Atherton, of Emporia, Kans., who did the scoring at the first annual show, was here again this year, and his work was entirely satisfactory to the exhibitors and not only that, he made a friend of each and every one he met. Any questions the exhibitors wish to ask, he is always ready and willing to give the necessary information, and his explanations are plain, so that anybody can easily understand. His work has been so satisfactory that the association voted to secure his services for the third annual show.

HAMILTON, OHIO.

The Southern Ohio Poultry Association held its sixth annual show at Hamilton, O., Dec. 7 to 11, last. It was a very successful exhibition, and all exhibitors expressed themselves as highly pleased with the treatment accorded them. The quality of the stock exhibited was exceptionally good. A. B. Shaner, who placed the awards on the poultry, said that he handled some of the best White and Buff Leghorns and Black Minorcas he had ever seen.

LOCKPORT, N. Y.

The annual show of the Niagara County Poultry and Pet Stock Association was the largest and in every way the best show of the kind ever seen in this end of New York state outside of Rochester. The association and its capable officers are deserving of praise for their successful efforts to give Lockportians an exhibition of poultry such as is seldom given a person to inspect.

ADAMS, MASS.

The Adams Poultry Association held a very successful show during the first week in January. They had a large entry list and the attendance was very large.

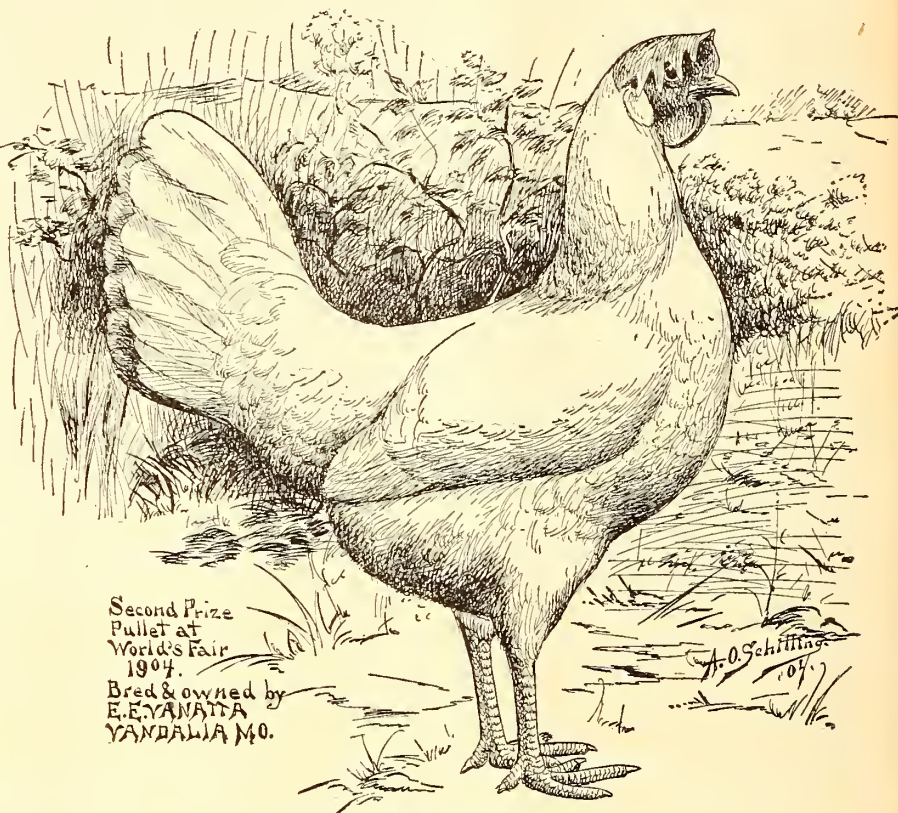
PRINCETON, IND.

The poultry show held at Princeton,

Upper Iowa Poultry Association was held at Mason City, Iowa, January 3-7, 1905. The entry list was large and the birds of good quality, and the show was a grand success, both financially and socially.

WINNEBAGO CITY, MINN.

The dates of the first annual exhibition of the Blue Earth Valley Poultry



SINGLE COMB WHITE LEGHOEN.

Bred and owned by E. E. Vanatta, Vandalia, Mo.

Ind., by the Wabash Valley Poultry, Pigeon and Pet Stock Association of Indiana during the week of December 26-31, 1904, was a financial success and pronounced by all visitors to be a hummer, there being over 500 fine birds on exhibition, representing all classes.

MASON CITY, IOWA.

The ninth annual exhibition of the

Association have been changed from February 14-17, 1905, to February 19-23, 1905. C. W. Raddue, secretary, Winnebago City, Minn.

MOBERLY, MO.

The thirteenth annual exhibition of the Missouri State Poultry Association was held in Moberly January 3 to 6, 1905, and proved one of the most suc-

Bronze Turkeys

Have you bought that breeding Tom or those hens you need to infuse new blood in your flocks? You want the best obtainable, so why delay the matter? At

MADISON SQUARE GARDEN, NEW YORK

January 3 to 7, 1905, I exhibited eighteen turkeys, winning eighteen prizes, viz.: Two firsts, five seconds, six thirds, and five fourths. At

ST. LOUIS WORLD'S FAIR

three first prizes, two seconds, one third, two fourths, two fifths, two sixths, two sevenths, and Silver Cup for best display. What better proof do you want as to quality of my turkeys? I have 200

CHOICE BREEDERS yet to SELL.

EGGS FOR HATCHING \$5 PER 11

I have mated up twelve different flocks, each one headed by a prize winning Tom, six World's Fair winners and six New York winners, all hens being of the very best, among which is over 30 prize winners. Am booking orders now, which will be filled in rotation.

MRS. U. R. FISHEL

Box A, Hope, Indiana

cessful in the history of the organization. Nearly 1,000 birds were on exhibition and Judges Russell and Heimlich pronounced the quality the finest they ever handled.

PALMYRA, MO.

The Northern Missouri Poultry Association's first show was a decided success, both financially and socially. The birds exhibited were fine specimens of their kind, and the exhibitors and visitors were well pleased with the treatment they received.

JOHNSTOWN, N. Y.

The Fulton Co. Poultry and Pet Stock Club held a meeting at Johnstown January 9, 1905, at which officers were elected for the ensuing year, and it was decided to hold a show either at Johnstown or Gloversville in November, 1905. Jacob Blunk, secretary, Johnstown, N. Y.

ANTWERP, OHIO.

The fanciers of Antwerp and vicinity have organized the Antwerp Poultry and Pet Stock Association, and will hold an exhibit in the near future.

C. A. BISSELL, Sec.

AMERICAN LEGHORN CLUB SPECIALS.

American Leghorn cups for New York were awarded as follows: Single Comb White, Orchard Hill Farm; Rose Comb White, W. W. Babcock, Bath, N. Y.;

Single Comb Brown E. B. Cridler, Dansville, N. Y.; Rose Comb Brown, W. W. Kulp, Pottstown, Pa.; Single Comb Buff W. F. Brace, Victor.

LANSING, MICH.

The Central Michigan Poultry and Pet Stock Association, held Dec. 27-30, 1904, was a decided success in every way, and the association has decided to hold another show in 1905.

LAWRENCE, KAN.

The Douglas County Poultry Show, which was held Dec. 5 to 10, 1904, at Lawrence, Kans., was a success, both in number of birds shown and financially. The members of the association have determined to make an effort to hold a larger and better show next year. There will be two silver cups offered, one for the best pen of solid colored birds and one for the best pen of parti-colored birds. The show next year will be held Dec. 12 to 16.

NOTICE.

The annual Rose Comb Brown Leghorn Club Catalogue is now ready, and anyone can get membership blanks and catalogues by writing Fred Alger, secretary of R. C. B. L. Club, Waukau, Wis.

CRESCO, IOWA.

The first annual show of the Howard County Poultry Association, which took place Dec. 21-23, 1904, was a big suc-

cess in every way except in attendance, and it is to be regretted that a larger number of farmers and townspeople did not attend. Mr. Holden, their judge, says that not one show in twenty have the display at their first show that was on exhibition here. All premiums have been paid in full and a neat little sum remains in the treasury to encourage the management to further efforts.

STANBERRY, MO.

The fifth annual exhibition of the Grand River Valley Poultry Association, held Dec. 9-14, 1904, was a decided success. There were near 500 birds on exhibition. The Barred Rocks exceeded in numbers, about 150 of that variety being exhibited.

NEED OF FEEDERS.

One thing in this age of push that is needed is the economy of time. In order to do this a feeder is needed for young chicks. You will find this in my automatic poultry feeder, water fountain and young chick protector. One lady at world's fair, St. Louis, said she fed her chicks in a brush pile to protect them from old fowls.

E. H. TURNER.

Tipton, Ia.

To get fifteen hens to do as good laying as thirty hens would in the same flock is economy in the right direction. That is exactly what we did with a pen of Leghorns. It never pays to overcrowd, and small families will invariably do better than large ones.

PAYNE'S ALFALFA POULTRY FOODS

PROPERLY MIXED Make Eggs! More Eggs! Fertile Eggs!

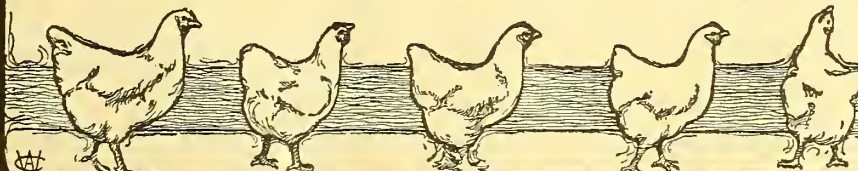
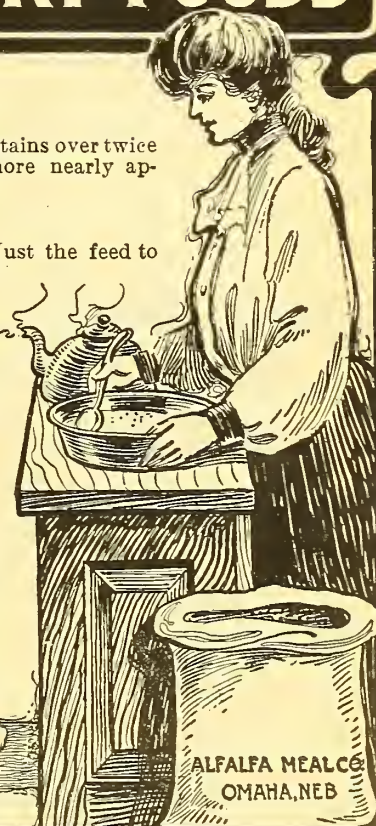
Payne's Alfalfa Meal is made from especially selected green kiln-dried alfalfa. It contains over twice as much protein, the egg-forming element—as clover meal; is much greener; more nearly approaches grass conditions, and is selling at the same price, thus a cheaper feed.

Payne's Alfalfa Meal

the greenest, the purest, the best. A high protein feed that makes hens lay. Just the feed to mix with grain, table scraps, or animal foods, such as green bone, meat meal, etc. If you do not have these feeds, buy

Payne's Alfalmo Poultry Feed

a practical combination of green alfalfa meal, meat scraps, bone, dried blood, and every food material that poultry want except grain. It is simply the green *High Protein Mixer*, which combines properly with the grain you raise or buy cheaper than we can furnish it to you. Alfalmo Poultry Feed is equally good for laying hens, chicks and fattening poultry and is cheap. We know from numerous testimonials sent to us by our customers that *Payne's Alfalfa Feeds* used as directed, give the *best satisfaction of any Poultry Feeds on the Market*. Prices, f. o. b. Omaha or Chicago, cash with order. 100 lbs. Payne's Alfalmo Poultry Feed \$2.50. 500 lbs. Payne's Alfalmo Poultry Feed \$10.00. 100 lbs. Payne's Green Alfalfa Meal \$2.00. Send for ton and carload rates and circulars concerning our feeds for dairy cattle, hogs, steers and horses. These feeds are the best in the world. Alfalfa Meal Company, 1632 Farnam St., Omaha, Neb.



DO YOU KEEP HENS?

If so, let us tell you about our new poultry book,

The Business Hen

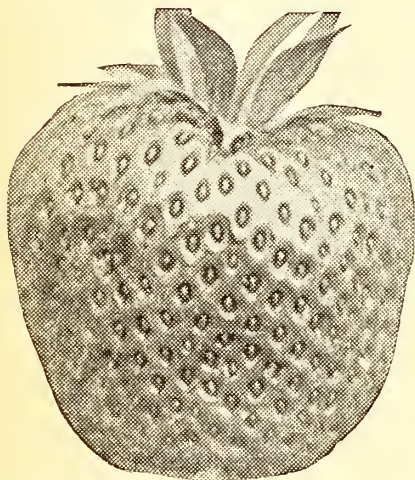
It is just what you want. Full description and specimen pages free. Also sample copy of The R. N.-Y. Send your address.

THE RURAL NEW-YORKER
310 Pearl Street, New York.

FREE--Great Crops of

STRAWBERRIES

and How To Grow Them



The **BOOK** that is worth its weight in **Gold** because it tells how **Big Crops of Fancy Berries** can be grown every year and how to market them at a **Big Profit**. It contains the **Latest Discoveries in Plant Breeding** and has 110 beautiful engravings of berries and berry fields, showing **Actual Results** obtained by progressive growers. It tells how to combine berry growing with poultry and double your profits; there is **Big Money** in strawberries and chickens. The book tells how: It is brim full of **Common Sense** and actual experience. Don't order your plants until you **Read This Book**. It is **Free**. Send your address to the

R. M. KELLOGG CO., Box 325,
Three Rivers, Michigan.

50 EGG INCUBATOR \$5

Everything necessary to complete the process of incubation is included in above price and shipped with the machine—a complete incubator (except the oil). We guarantee the

CYCLE HATCHER

to hatch every strong fertile germ, when directions are followed, or we will refund the purchase price. We have worked for years to perfect this machine and so to simplify it that we could sell it for \$5 with a guarantee so broad that no one need hesitate to buy one. We have reached our goal. Send for our free catalog of the **Cycle Hatcher** before you buy, or send \$5 and we will ship machine subject to trial, money to be refunded if it don't substantiate every claim we make. **Cycle Hatcher, Co., Box 214, Salem, N.Y.**

**FERTILE EGGS.**

Don't fail to feed for fertile eggs via no mash, no forcing foods. Cats and corn is best, green food sure. If you want fertile eggs don't make your hens lay now. Old hens are best for good, strong chicks and don't inbreed. Fancy feathers and show stock are not what an egg farmer wants for fertile eggs and strong chicks.

J. M. SONTAG.

St. Charles, Ill.

Breeder of R. I. Reds.

GOOD PULLETS BUT BAD COCKERELS.

Why is it that in some flocks the female birds all excel the males by many points? Some say that it is inbreeding. But why not poor pullets as well as poor cockerels by inbreeding. The solution of this point might throw light on many other subjects.

W. G. BAKER.

Vanceburg, Ky.

STARTING RIGHT.

First, buy stock; not six or eight birds at \$1 apiece, but rather a pair or two, putting in all the money you can spare and buying upon a guarantee of birds as represented at the privilege to return same. Be sure also that the paper you see advertisement in is O. K. and will stand by you in case of non-satisfaction. Build nice warm, dry house and don't try and raise any more chickens than your room will warrant.

C. F. McLANE.

Belvidere, Ill.

A WORD ABOUT GEESE.

This is the time of year when geese should receive the very best care. Your geese should not be fat; if they are they will make very poor breeders. One of the best feeds is a mash composed of oats and buckwheat; into this should be put grit and oyster shells.

J. P. ALLYN.

Delavan, Wis.

HONESTY.

We have all heard that "Honesty is the best policy." Do unto others, etc. When you get an order be honest with your customer. Ship him a little better stock than he pays for. It will please him and pay you. A pleased customer is one of the best advertisements.

J. A. BARNUM.

Tekonsha, Mich.

Wilber Bros., Petros, Tenn., breeders of S. C. White Leghorns, won as follows at the big Atlanta, Ga., show: 3d cockerel, 1st and 3d pullet, 3d and 4th hen, 2d pen, and a large number of valuable special prizes.

A. & E. Tarbox, Yorkville, Ill., made the following winnings on their Silver Wyandottes at Chicago in December, 1904: 4th and 5th cocks, 1st and 3d hens, 4th cockerel, 1st, 3d and 4th pullet, 2d pen.

January 6, 1905.
This is to certify that I have today sold and shipped to Mr. J. P. Allyn, Delavan, Wis., the White Indian cockerel which won third prize at the World's Fair, St. Louis, leg band number "C3912" and shown in coop number "18365."

W. S. TEMPLETON.

**Winter eggs in plenty, use
Pratts Poultry Food.**

Made by Pratt Food Co., Phila. Over 30 years old.

COCHIN BANTAMS *Black, White and Buff.*

Seven first prizes at Madison Square, 1904.

DR. WILLIAM Y. FOX,

Taunton, Mass.

**PRINTING!**

Our work is the best. Our prices low. We prepay Express charges. We print everything in the Poultryman's line and guarantee satisfaction. Send for samples of our work, sheet of Poultry Cuts, etc.

WILL H. SCHADT, Dept. B, GOSHEN, IND.

Flushing Poultry Yards

H. D. ALDRICH, Prop.

LEG HORNS

ROSE COMB BROWN,

2d pen at Madison Square, New York, 1905.

ROSE COMB WHITE,

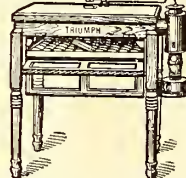
1st prize pen Madison Square, New York, 1905

ROSE COMB BUFF.

1st prize pen Madison Square, New York, 1905,

BAYSIDE AVE.,

FLUSHING, N. Y.

Triumph Incubators

transform every fertile egg into a strong, lively chick. No guess work; they are thoroughly tested. Built very durably, having heavy double walls and doors, copper tanks, safety lamps, nursery, is positive self regulating, unexcelled system of ventilation and moisture prevents chicks dying in the shell. It is simple, easy to operate, no night

watching and our prices are very low. Most valuable features not found in others. Triumph Brooders are life savers. All machines sold under strongest guarantee. Don't waste time, money and eggs with a poor machine. Try the Triumph for 30 days free and return if you don't like it. 35 varieties of fine poultry. Eggs and fowls for sale. Catalogue free.

R. F. NEUBERT,

Box 844, Mankato, Minn

WEST MICHIGAN TREES

are "bred for bearing." That's why we cut all buds from the best fruited, bearing trees. It also insures stock true to name and variety. Over three million trees—913 acres. All new and standard varieties of Apple, Peach, Pear, Plum, Quince, etc. Also ornamental trees and shrubs. We sell direct at wholesale prices. Illustrated catalogue free.

WEST MICHIGAN NURSERIES,

Box 61, Benton Harbor, Mich.

BROWN LEGHORNS.

THE EMPIRE STRAIN
ALWAYS WINS.



GEO. H. BURGOFF,

LAWTONS CATALOGUE FREE

LAWTONS, ERIE, CO.

EXHIBITED AT

MADISON SQUARE GARDEN

THE IMPROVED CHAMPION LEG BAND

25 PAT. APPLIED FOR

Aluminum or copper, two sizes, adjust able to fit any owl. Held by double lock. They can't lose off. Initial 10 cents per 100 extra. Also Pigeon Bands.

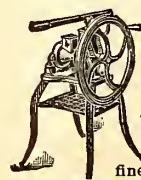
SUPERIOR
PAT. DEC. 23/02

THE SUPERIOR

is securely locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind, No. to suit, 12, 15c; 25, 30c; 50, 50c; 100, 80c. Sample for stamp. Circular free.

T. CADWALLADER,

Box 802, Salem, Ohio.

**WILSON'S**

New Green Bone, Shell and Vegetable Cutter for the Poultryman.

Also Bone Mills for making phosphate and fertilizer at small cost for the farmer, from 1 to 40 horse power. Farm Feed Mills grind fine, fast and easy. Send for circular.

WILSON BROS., Sole Mfrs., Easton, Pa.

Questions and Answers

Questions asked by subscribers will be answered in this department.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir: Will you kindly answer the following questions in your columns of "Questions and Answers?" I have recently been given two young pullets. I threw them both away because of the following: I found small particles between the skin and flesh about the size, color and shape of a mustard seed, otherwise they looked O. K. Is it safe to eat such. Please state what the trouble is, also cause and cure, if there is any, and oblige,
J T H.

Manchester, N. H.

We are unable to answer the above, but don't believe the fowls were suitable for table use.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir: Will you please state in your next issue how to breed for cockrels and how to breed for pullets and how many females to a cock for good results.
G. W.

There is no known rule to follow in this matter. Ten females are enough for one male.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir: I have a fine rose comb white Leghorn cockerel that has two spikes. Is it safe to use him?

I noticed several pullets which have two spikes also. Would they be all right to be bred to another cockerel which is very good and has only one spike? He is a half brother to those pullets.

Mabton, Wash.

N. E. L.

We do not advocate the use of any bird as a breeder that is not up to standard requirements. The results are always a disappointment to the breeder. Kill off the culls and breed only from birds that are free from defects and disqualifications.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer the following questions and oblige:

1. How often should cut clover be fed; and how is it prepared?

2. Would it be a good plan to breed two pullets and two one-year-old hens, of the same strain, with the same cock?

Williamsport, Pa.

C. B.

1. About three times a week. To prepare clover meal, put the meal in a kettle and pour boiling water over it; cover the kettle and let it stand for four or five hours. It is then ready to be mixed in the mash.

2. We believe this mating to be all right.

EDITOR AMERICAN POULTRY JOURNAL:

In the December issue of the Journal, page 817, sprinkling air-slacked lime on the dropping boards is recommended as an effective method for dealing with mites. Doesn't lime practically spoil hen manure for fertilizing purposes?

Vassar, Mich.

J. P.

We don't believe that air-slacked lime will injure the droppings for fertilizing purposes.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir: Will you kindly state in February issue of A. P. J. how much yard space is necessary for 25 Rhode Island Reds.
Mrs. H. G. H.

Chester, Mass. L.

A yard 25x50 feet will do very nicely, but if you can give them more room, do so.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir: Kindly let me know through the JOURNAL the reason my Minorcas and part of the Rock hens don't lay. Is sun-flower seed good to give chickens during molting season? They have not layed for four months. They are all feathered and nice and slick, combs red, no lice or anything that I know of to prevent their laying, except the letter on the floor will get damp. The house is sided and boarded, paper between; single floor, plenty of light. Is the house warm enough? I feed them oats and mash, very little corn, three times a day, about one quart per 12 chickens. Plenty of clean water, grit, steamed clover and let them run when the weather is dry. The chickens I speak of are all healthy, but I have some very sick ones with the roup. Some of them are so stiffened they can hardly walk. Do you think it desirable to let them run out at their will, to make them hardy? Kindly let me know where I am at fault.
Mrs. L. S.

Detroit, Mich.

One of the main reasons why your hens don't lay is that your house is not ventilated properly. The birds are suffering from rheumatism, brought on by the house being damp. Keep the windows open at all times, except when the weather is stormy. Thoroughly clean out all the damp litter and sprinkle air-slaked lime over the floor, after which put in plenty of fresh dry straw. Let the fowls run out except when the weather is stormy. Keep them busy at all times. Feed them a little green cut bone about three times a week, two ounces to each fowl.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir—I would like to know how to judge a full-blooded White Plymouth Rock hen or cock.
J. M.

Greenville, Ohio.

American Standard of Perfection will teach you how to judge. Price, \$1.50. We are now booking orders for the revised edition, to be shipped as soon as published.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer the following question in the next number: If a fowl has an injury to the foot which causes it to enlarge to twice its normal size, would that disqualify it for competition in a poultry show?

Harvard, Ill.

L. W.

This would not disqualify the bird, but he would be cut severely, and we would

Sharples Tubular SEPARATORS



The Only Modern Separator Bowl

Why buy a separator filled with bottomless cake pans, punched and bent sections of stove pipe, or other complicated parts?

The only modern bowl has no contraptions; is as simple, light and easily handled as any woman could wish. The illustration shows it.



Write for catalog K-205 and learn about the best and most attractive separator ever built—the Tubular.

The Sharples Co.
Chicago, Ill.

P. M. Sharples
West Chester, Pa.



Large profits

in chickens if they are given the proper care.

We have the best poultry-helps of every sort. Things to raise chickens make hens lay keep them well kill lice cure roup and gapes

Complete line of wire-fencing, sheeting, roofing and other materials for building warm, waterproof poultry houses.

Poultry Supply Book

tells all about these and more too. Write for a copy—free.

Johnson & Stokes Dept X
217-219 Market Street Philadelphia



50 BULBS

25 Cents.

Will grow in the house or out of doors.

Hyacinths, Tulips, Crocus, Fuchsias, Oxalis, Jonquils, Daffodils, Dewey Lily, Tuberoses, Gladioli, Chinese Lily, Begonia, Gloxinia, Lilies of the Valley—all postpaid, 25c. in stamps or coin.



As a premium with these Bulbs we will send FREE a giant collection of flower seeds—over 300 varieties. Address, Hillside Nursery, Somerville, Mass.



GOLD RING FREE

or your choice of Beautiful Gems. Your money not wanted. Write for descriptive illustrations in colors. B. ALDEN, 550 Pearl St., New York.

not advise exhibiting a bird in this condition.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please tell me how to tell a Toulouse goose from a gander.

Benjamin, Utah.

C. H. C.

The voice of the female is coarse and the male has a thicker neck and a generally masculine appearance.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please answer the following in your next copy: Is it necessary to have the new Standard? Are those breeds that are described in the old, described differently in the new? Are the illustrations colored?

Tentopolis, Ill.

J. S.

If you wish to breed exhibition birds, you must have the new Standard for a guide. A great many changes have been made in the descriptions of nearly all varieties. The illustrations are not colored.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Would you please answer the following questions through the columns of your paper:

1. How much, or what amount of, ground feed is required for about 80 fowls, all hens and pullets, ground oats or corn meal?

2. About how much wheat and corn, whole?

3. Is ground oats and corn meal a good mash for hens in the morning, and wheat at noon and corn at night?

4. Should I weigh the food for each meal and deal it out to them at the same weight thereafter?

Wayland, Mich.

F. M.

1. About 14 lbs. of feed is sufficient for 80 fowls. This should be weighed before the feed is moistened.

2. Half a pint of dry feed, either wheat or corn, per fowl is considered about the right quantity.

3. Yes, but bran, shorts, wheat middlings, clover meal, meat meal, etc., may be added from time to time to give variety and stimulate the appetites of the fowls.

4. You must use judgment in feeding. If the fowls do not eat the feed up clean, feed them a little less the next time. It is better to underfeed just a little than to overfeed. Overfeeding causes disease and laziness, and a lazy hen will not lay. We cannot give you any exact formula to follow, as some fowls eat more than others.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please give, through your columns, symptoms of consumption of the lungs in chickens?

I have a rooster that has difficulty in breathing, breathing hard most of the time, with his bill partly open, sometimes opening it wide and gasping for breath.

I had a case of consumption of the lungs in a rooster this summer. When opened, one lung was entirely decayed.

The first rooster mentioned is in good condition, has red comb, but never crows that I have noticed; sometimes makes a loud gurgling noise.

Clearwater, Minn.

H. H. K.

The symptoms of consumption in fowls are varied, but the most common symptoms are rapid and progressive emaciation, made apparent by the loss of weight, wasting of the muscles, and

prominence of the bones. The comb becomes pale and the bird loses its bright, animated expression, and in the later stages becomes quite dull and sleepy. At this stage a persistent diarrhoea sets in, which increases in intensity until the subject dies from exhaustion. Birds showing the above symptoms should be killed at once and the carcass burned, as this disease is very contagious.

The rooster is probably suffering with bronchitis brought on by a cold which has settled in the bronchial tubes. If this disease is of long standing it cannot be cured. Relief may be obtained by holding the head of the bird over a steam vapor made by boiling water to which a handful of hops has been added.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you kindly answer the following questions? 1. My chickens get what I call a cold; water runs out of their nostrils, and later the nostrils get closed up and they breathe through their mouths. Sometimes one eye closes up, but not often. I have been giving them kerosene oil and lard and separated them from the flock. They sometimes get better after a while, but I always find more to take their place. What would you advise? 2. I killed a 6 months old chicken recently and when I dressed it I found something like slime between the skin and flesh, it was troubled with running at the nostrils about a month before I killed it. Seemed to be healthy and all right when killed. Is such a bird fit to eat? What was the cause of slime being on chicken? 3. What is good to cure dysentery in chickens? 4. What is the best floor for a

RESULTS IN THE EGG BASKET

tell the value of the feed you are feeding your hens better than anything else. When eggs are selling at 20 to 40 cents a dozen it's like throwing money away to keep on feeding feed that doesn't make hens lay. That's false economy. Now is the time every hen you feed should be laying every day, and she will if you supply her with the feed that makes eggs. Don't blame the weather for cutting off your egg results. Naturally, it does prevent the hens from getting the egg-making materials nature supplies, but it does not make it impossible for you to supply these elements that make eggs. Simply feed your hens

LEE'S EGG MAKER

and they will not want for a single thing necessary for making eggs. They will begin laying in a short time if you do your part. Besides it will correct any other faults that are interfering with the egg-making organisms and rejuvenate the whole flock. Make them feel better—make them look better and give them every assistance for bodily maintenance as well as for egg production. As a mash it brings the cash quicker and surer than any food made. A test tells best—why not test it? Send for free book, "Mandy's Poultry School," and learn how she got eggs when eggs were high.

GEO. H. LEE CO., BOX 91,

OMAHA, NEBRASKA

poultry house? 5. I have a B. Leghorn rooster that fights the hens, will not let them eat until he gets what he wants. I have three hens in the pen with him. Will he be all right for a breeder?

Chicago, Ill

W. S. A.

1. Your fowls have a mild form of roup. This is probably due to bad ventilation or unclean quarters. Thoroughly clean and disinfect your houses with a 2 per cent solution of carbolic acid. Keep the nostrils of the affected birds open by injecting a little kerosene into them. Keep on using the kerosene oil and lard and keep the sick birds in a dry, warm place.

2. We do not believe the fowl was fit to eat. The birds were not in good health or this slime would not have been there.

3. Remove the cause and the disease will soon disappear. Lack of grit and improper feeding will cause this. Keep grit and charcoal before your fowls at all times.

4. If the soil in your vicinity is dry an earth floor is best; otherwise a board floor, raised about a foot or 18 inches from the ground will be better.

5. Separate your rooster from the females until you wish to use the eggs for hatching. He will probably be all right then.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: As I am an admirer of the Buff varieties, would like to know the address of the two gentlemen who won on Buff Turkeys at St. Louis, or others.

W. H. A.

Richmond, Ind.

Write to Mr. T. E. Orr, Beaver, Pa., for the address of these gentlemen. Others you will find in the advertising columns of AMERICAN POULTRY JOURNAL.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer the following: How is the best way to clean a white chicken for the show room, and how should I clean their feet, combs and wattles?

C. N.

Comton, Ohio.

Wash the bird in a tub of warm water, using plenty of soap of a good quality. After thoroughly washing, rinse the bird in clean warm water, to which had been added a little bluing. After thoroughly washing the feet, combs and wattles, brighten them up by applying sweet oil two or three times and rubbing it in thoroughly.

AMERICAN POULTRY JOURNAL PUB. CO.

Dear Sir: Please answer the following question through your poultry journal:

I have nine Barred Rock pullets and one cockerel that I raised from a setting of eggs I bought last spring. As I do not want to mate the cockerel to the pullets from the same setting would it be all right to buy another setting this spring and, next season, mate the best cockerel from this setting to my present pullets, which would then be hens?

W. S. D.

Bechtelsville, Pa.

Yes.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Which do you consider the best way to do, purchase two or three sittings of eggs or send for a trio of birds of the breed that is required. I was only thinking the eggs would travel to this country better than the

birds and perhaps come in a bit cheaper. You can answer through the JOURNAL.

R. R.

Bolton, Lancashire, England.

We believe that birds would prove the most satisfactory, as they will stand the journey better than eggs.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Will you kindly answer the following questions in Question and Answer columns: Are onions good to feed chickens, and do they make the eggs taste. I have a Barred Plymouth Rock hen with a swollen comb. At first the comb started to swell at the back, and in a

short time it was five times as big as it ought to be, and in the middle it would turn black and began to rot off. I keep the hen in a warm place, so don't think it was caused by freezing. The hen is a little dumpy; otherwise she seems to be all right. Can you tell me what to do?

J. L. B.

Minneapolis, Minn.

Onions in small quantities are good for fowls; but if too much is given it will affect the flavor of the eggs. The comb of your hen has probably been injured in some way. Unless she is a very valuable hen, would advise you to kill her and thus get her out of her misery.

No. 6
Iron Age
Combined
Double and
Single
Wheel
Hoe, Hill
and Drill
Seeder.

Larger and Better Crops

Cultivation of growing crops at the time most needed is what makes quality and quantity. With Iron Age Implements the farmer can speed his work, take advantage of every opportunity, and produce crops of larger yield and a better grade.

IRON AGE Implements

Save their cost several times during a season, often taking the place of an extra hand. Our new No. 25 Fertilizer Distributor attachment may be applied to our famous No. 8 combined tool, or to our No. 1 Double Wheel Hoe, as in the case with Seed Drill attachments. This wonderful implement and the No. 60 Riding Cultivator are fully described in "Iron Age"—a free book containing much valuable information to the progressive farmer. It also describes the Iron Age Potato Planters, Horse Hoes, Sprayers, Fertilizer Distributors and other labor-saving farm implements.

BATEMAN MFG. CO., Box 119, Grenloch, N. J.

No. 60
Iron Age
Pivot Wheel
Riding Cultivator.

No Dealer Can Duplicate Our Factory Price

THE COLUMBUS CARRIAGE AND HARNESS CO., Columbus, Ohio.

SAVE 1/3



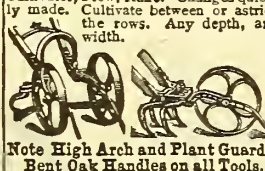
Our high grade carriages are made in our own factory, and sold exclusively by mail order at a saving of from \$15 to \$30 to the buyer. We warrant every vehicle to be just as represented or refund money and pay freight both ways. Send for free catalogue. It tells the advantage of buying from factory.

MATTHEW'S "NEW UNIVERSAL" GARDEN TOOLS.

6 STYLES SEEDERS
Opens furrow, drops in plain sight, covers, marks.



Double or Single Wheel Hoe, Cultivator, Plow, Rake. Changes quickly made. Cultivate between or astride the rows. Any depth, any width.

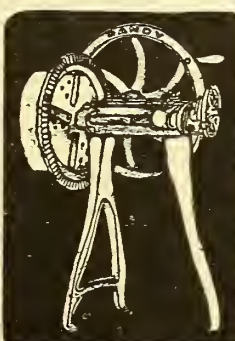


6 Tools in 1. Combined seeder, marker, hoe, rake, plow, cultivator. Single or double wheel. Every adjustment easily made. For planting and all kinds of cultivation.



Send for FREE BOOKLET of valuable information for planting and cultivating the garden and full description of these implements.

AMES PLOW COMPANY, 64 MARKET STREET, BOSTON, MASS.



\$5.00 UP

BONE CUTTERS

For a few fowls or for an extensive poultry farm. Send for our free illustrated catalogue, describing every size—contains valuable hints on poultry feeding worth money to every poultryman. We manufacture bone cutters exclusively and have a plan whereby we ship a DANDY GREEN BONE CUTTER to you so that you may give it a thorough trial at your own home, under the conditions it will have to meet in actual use. Write and ask for full particulars of our plan of allowing you

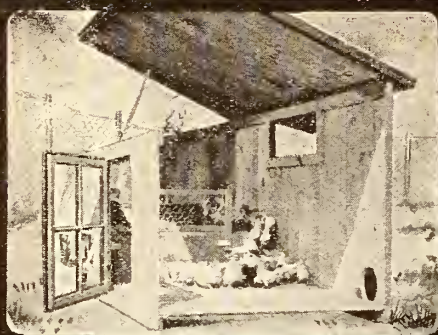
15 DAYS' TRIAL FREE

—It's a fair, square offer and will demonstrate the usefulness and superiority of the "DANDY" over all other bone cutters. The "DANDY" has a large bone box, perfect automatic feed, cuts fine or coarse, as you like, simple in construction, strong and durable. Cuts green or dry bone, will increase your egg output enough to pay for itself in a short time. If after using it the fifteen days you are perfectly satisfied with it, you pay the LOW PRICE we ask and keep the machine; if not, you return it to us. Remember if you buy a "DANDY" you get the BEST BONE CUTTER BUILT. You own a better cutter for less money than anybody else can possibly sell you. Our broad guarantee makes us responsible to you for free repairs for one year if a breakage should occur—saves you annoyance and loss, and gives you the repairs with the least possible delay. Get your order in early and test the machine to your own satisfaction—the test will prove every claim we make for the "DANDY." Write at once and ask for catalogue—address

BEST BONE CUTTER BUILT

STRATTON MFG. CO., BOX 17, ERIE, PENNA.

Write Today for Free Illustrated CATALOGUE



Peep-O-Day Brooder and Colony House Combined



CORNELL INCUBATOR MFG. CO.,

ITHACA, N. Y., U. S. A.

FOR THE YEAR 1905 WE OFFER OUR FRIENDS AND PATRONS:

5 Sizes of 1905 model

CORNELL INCUBATORS of Solid Chestnut.

No. 1, 108 Hen Eggs-100 Duck Eggs,-----	\$18.40
" 2, 216 " " 195 " "-----	28.00
" 3, 364 " " 300 " "-----	35.00
" 4, 432 " " 390 " "-----	56.00
" 5, 728 " " 600 " "-----	70.00

8 Sizes Peep-O-Day Indoor and Outdoor Brooders,
Capacity 50 to 100 Chicks, ----\$5.00 to \$11.50.

The 1905 model Peep-O-Day Outdoor Brooder and Colony House Combined, on Runners,
A whole Poultry Plant in itself,----- \$16.00.

The 1905 Trap Nest,
The Father of the 200 Egg per Year Hen.

Galvanized Iron, Grit, Shell and Feed Boxes, Founts, Feed Sayers, Feed and Bone Mills.

1905 Cornell Standard Poultry Foods without Grit, Shell or Charcoal.

Chick Food,-----\$2.50

Fattening Food,-----\$2.00

Poultry Food,-----2.00

Mash-----2.00

High Protein Beef Scrap—Best in America,-----\$2.75.

Beef and Bone Meal-----\$2.25.

1905 Cornell Standard Lice Powder, Lice Paint, Disinfectant and Roup Cure.

1905 Cornell Standard 10 Remedy Medicine Case,----- \$3.00.

The 1905 Cornell Search Light Egg Tester.
Indispensable on the poultry farm.

Grain and Grain only—at the price of grain.

Clover Products,-----\$2.00

Alfalfa Product-----2.00

We manufacture the Standard of everything the Poultryman requires, AND LAST BUT NOT LEAST:
We offer to the users of the Cornell and Peep-O-Day Incubators \$5,000 IN GOLD, divided
into 135 Premiums, to be competed for beginning January 15th, 1905.

We Positively guarantee our Incubators, Brooders, Foods and
Supplies, or *your money back for the asking*.

Send for Catalogue, 1905 Supplement and \$5,000 in Gold
Booklet. All mailed free upon application.

Cornell Incubator Mfg. Co.,

BOX G,

Ithaca, N. Y.,

U. S. A.

"Quality Counts"

Thirty regular prizes at WORLD'S FAIR,
St. Louis, 1904, in S. C. White, Buff and Black
Leghorns, Partridge and Silver Penciled Wyandottes,
including NINE FIRSTS and ten seconds.
Also FIVE SPECIALS, \$25.00 each, and ONE
SILVER CUP.

At Madison Square Garden (New York) 1905, in the same
classes, NINE firsts, nine seconds, six thirds. National S. C.
W. Leghorn Club, SPECIAL for BEST SHAPED MALE.
TWO American BUFF Leghorn Club SPECIALS and SIX
American Leghorn Club SPECIALS.
1905 CATALOGUE IN PRESS.

Write for what you want. Exhibition and breeding stock.
EGGS FOR HATCHING.

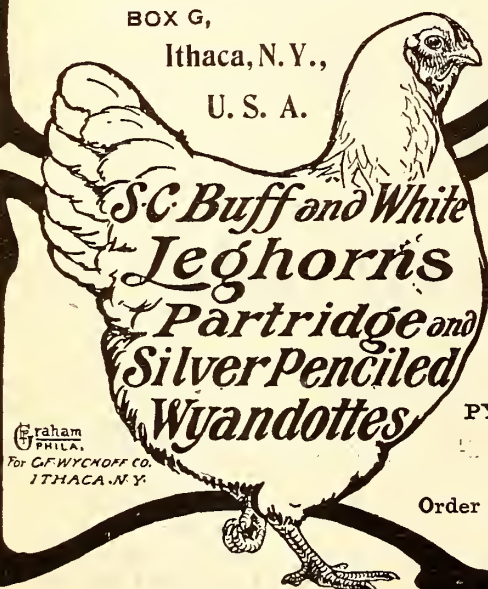
In December, 1904, I imported
PYLE LEGHORNS SILVER DUCKWING LEGHORNS, BLACK
LEGHORNS,—the finest specimens ever brought to this country.
Eggs for hatching from these pens.

My PEKIN DUCKS are Large and White.

Order eggs NOW for spring delivery.

E. G. WYCKOFF, Ithaca, N. Y., U. S. A.

BOX 6.



At the Madison Square Garden Poultry Show, recently held at New York,
The Cornell Incubator Mfg. Co., Ithaca, N. Y., U. S. A.,

Booked orders from critical and discriminating Poultrymen for more than

Three Hundred and fifty (350) 1905 model Cornell Incubators,

An admittedly unparalleled record of sales in the annals of Incubator history.
 This **UNPRECEDENTED SUCCESS** in the face of **LARGE COMPETING EXHIBITS** by an array of well known machines, conclusively awards to

**The 1905 model Cornell Incubator of inch Polished Chestnut,
 THE GRAND GOLD MEDAL**

In the esteem of the Poultry Fraternity.

WHY do the 1905 model Cornell Incubators and the Peep-O-Day Brooders stand to-day **WITHOUT A RIVAL—WITHOUT A PEER**—on the face of the earth? Why do the successful men who are in the poultry business for a livelihood freely and unhesitatingly give them the preference over the Idols of the past whose ashes are still warm? **Listen and you will hear!**

The 1905 model Cornell Incubator

Positively and absolutely avoids "Dead Chicks in the Shell," that ever recurring and irremediable curse of "Non-Moisture" machines. The 1905 Cornell embodies all of the progress achieved in the science of artificial incubation during the past ten years, supplemented by numerous Cornell patented features, as follows:

Thermostat (Patent applied for).

Sensitive—Automatic—Positive—Precise. In hatching tests the Cornell 1905 Thermostat shows for each degree of heat twice the movement of the next best regulator on the market, and eight times the movement of the second best.

Automatic Moisture Device (Patent applied for).

Connected inseparably with the Cornell Heating System, automatic in action and responding to all climatic conditions. It affords to the eggs the requisite moisture and obviates "Dead Chicks in the Shell," that Affliction of Non-Moisture Machines.

Ventilation (Patented).

The Cornell Automatic Moisture Device permits furnishing to the eggs the essential continuous changes of pure, warm, moist air, to carry away the deadly carbon dioxide generated by the growing embryo, which would otherwise bank in the egg chamber, as in "Non-Moisture, Non-Ventilated" Machines, and fatally kill a large percentage of strong, healthy germs, and thus produce "Dead Chicks in the Shell," that malediction of "Non-Moisture Machines."

Circulation (Patented).

The pure, moist, warm air is spread equably and uniformly in horizontal layers from our galvanized Iron Heater (stayed interiorly with iron castings and outwardly iron capped) into the Heat Chamber, thence into the egg chamber and down between the eggs and then out, **once and for all**, through the bottom of the machine, at points opposite and on a parallel plane to the mouths through which it enters. This perfect system is supplemented by our **Patented Automatic Safety Banked-Air Valve**, found in no other machine in the world. This ideal circulation produces lusty, healthy chicks and lots of them.

Regulation (Patent applied for).

The 1905 model Cornell Incubator is the only incubator manufactured that combines a balanced system of **Construction, Heating, Ventilation, Circulation and Supplied Moisture**, making it easy for the operator to keep, continuously, a mathematically even and uniform temperature in all parts of the egg chamber, aided by the **Smokeless Heater and Lightning-Rapid Thermostat**.

Construction (Patented).

The case of the 1905 model Cornell Incubator is of inch thick Virginia Polished Chestnut—not $\frac{3}{8}$ inch narrow little boardlets. It is equipped with the Cornell Patented Table Top, protecting the finely adjusted Regulator mechanism from all outside interference. The Patented felted compound doors prevent the heat from sifting through. The piano fitting legs are adjusted without tools or trouble.

In Conclusion:

In the 1905 model Cornell Incubator and the Peep-o-Day Brooder we offer an **Invincible Team**, that will hatch every egg fit to be hatched, and bring to perfect maturity every chick that has been hatched.

THIS IS OUR GUARANTEE—or your money back for the asking.

Send for Catalogue, 1905 Supplement and \$5,000 in Gold Booklet. All mailed free on application.

CORNELL INCUBATOR MFG CO., Box 6, Ithaca, N.Y., U.S.A.



POULTRY SUPPLIES

of every description. Prairie State, Empire State and Star Incubators and Brooders. Drinking Fountains, Wire Netting, Spray Pumps, White Washing Machines, Powder and Liquid Lice Killers, Roup and Cholera Cures, Condition Powders, Egg Foods, Oyster Shells, Beef Scraps, Dog Cakes and Medicines, and everything necessary for breeding poultry and pet stock. Our immense illustrated catalogue gives complete list. It is free; send for one.

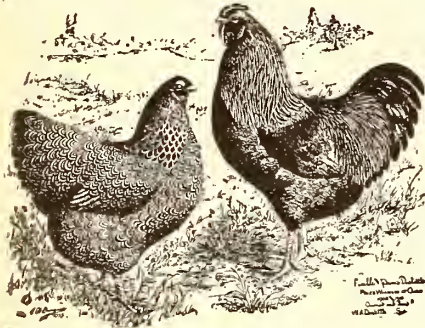
Excelsior Wire & Poultry Supply Co., Dept. O, W. V. Russ, Prop., 26 & 28 Vesey St., N. Y. City

1868 NETTLETON'S LIGHT BRAHMAS 1904

Have the best lot of youngsters this season as to size, shape and color I ever raised, all line-bred. My Brahmans have won the blue at many exhibitions. A few grand breeding cocks for sale. Prices right. Satisfaction given. A few White Cochins, grand birds, for sale. Write for particulars.

C. P. NETTLETON

BOX 159, SHELTON, CONN.



They Always Win!

Doolittle's Partridge Wyandottes

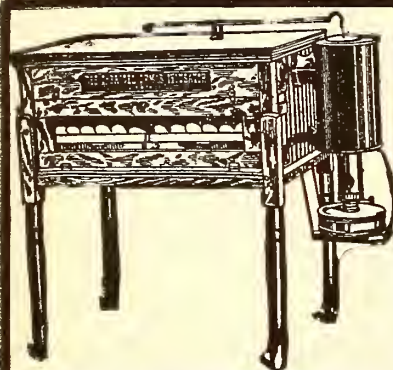
The strain that annually produces more prize specimens than all others combined. They have true Wyandotte shape, low, even combs, clean, yellow legs, with the grandest mahogany color and true Partridge markings.

Look at this Record—St. Louis World's Fair, 1904

With birds entered from Missouri, Indiana, Nebraska, Kansas, Ohio, Connecticut, Tennessee, Illinois, New York, Iowa, New Jersey, and Pennsylvania, my birds won 2d and 6th cock; 1st cockerel; 1st and 5th hen; 1st, 4th, and 5th pullet and specials for best colored male; best colored female and best shaped female. (no pens entered.) Who can beat it with ten entries in but a single class? This is nothing unusual for them. Send for card giving their Chicago and Boston winnings and you will see that it means something, and should interest you when looking for stock or eggs. To be in it means that you must get your blood where the champions are annually raised. A large color plate from life of a pair of Partridge Wyandottes mailed on receipt of ten cents in postage.

W. A. DOOLITTLE, The Partridge Wyandotte Breeder,

SABETHA, KANSAS



THE IMPROVED

ORMAS

**INCUBATORS from \$7 up
BROODERS from \$4.50 up**

Self-Regulators, Self-Ventilators, No Supplied Moisture. Made of best California Redwood. Easy to operate. Fully guaranteed. Automatic Brass Regulator Automatic Ventilation. Send for Free Catalog.

BANTA MFG. CO., Ligonier, Ind.

**FOR
HARDY
CHICKS**

HARDING'S

Baby Chick Food

makes baby chicks hardy. Makes vigorous, rapid growth, insuring chick life, so uncertain at this stage, that it more than saves its cost in saving life. It adds profit where loss is the usual result. One trial test will prove its worth. It saves worry and makes poultry raising pleasurable—profitable. 5 lb. cartons, 30c; 10 lb. bags, 50c; 50 lb. bags, \$1.50; 100 lb. bags, \$2.50. f. o. b. Binghamton, N. Y. Give your chicks a chance for life by giving them food that furnishes life—Harding's Baby Chick Food. Send for free catalogue containing good points for making poultry pay.

Geo. L. Harding, Box 333, Binghamton, N. Y. U. S. A.

**FEED
HARDING'S
FOOD**



HENS OPERATING INCUBATORS.

We hear much of following Nature's plan in incubator hatching of chicks. All incubator makers endeavor to establish, as nearly as possible, natural conditions. It was reserved for Johann F. Siems, a German poultry specialist of Columbus, Neb., to take a step in advance of all other incubator makers and actually use the hen in his machine. Other incubator makers claim to have caught the trick from the hen. Mr. Siems claims not only to have learned from her, but inasmuch as her instinct is unerring, that the best hatching machine in the world is possible only by using that instinct during the entire hatching process. Hence he uses the hen, the common, natural hen, in his Natural Hen Incubator.

This puts the Natural Hen Incubator in a class by itself. It constitutes the widest kind of a difference in principle and operation between it and all other machines, which, as a matter of fact, do not differ widely from each other. Mr. Siems claims his plan to be superior to all others from two considerations. First, because it is the one natural plan. Second, because of the difference in cost. By the Siems' plan, as will be noted by the advertisement elsewhere, an incubator of ordinary size, say, for 200 eggs, is set up complete, ready for work, at the low cost of \$3. There are some 200,000 of Siems' Natural Hen Incubators now at work. The many strong testimonials in the Natural Hen catalogue attest their popularity. It is a book that certainly appeals to poultry raisers. Writing direct to the Natural Hen Company at the address given in the advertisement will bring it promptly.

GET MORE EGGS.

Now is the time to reap poultry profits. If you can keep your hens laying for the next thirty days there is a likelihood that you will clean up more money through your poultry yards than you can in any sixty days the rest of the year. To do this your hens need proper food. Nothing will help them more than a liberal use of cut clover or alfalfa, both of which are not only rich in protein and egg making materials, but also retain much of the natural tonic effects which the fowl gets from green foods in the summer time.

The feeding of cut clover has greatly increased in the past few years, since the introduction of the Humphrey Rapid Clover Cutter—a machine of large capacity, which reduces clover and alfalfa to one-eighth inch lengths and allows no long pieces to escape its knives. It will pay every poultry raiser to install one of these low-priced machines in his yards.

Send to Humphrey New Street Factory, Joliet, Ill., for his new book, "Poultry Helps," which is full of useful and valuable information for the poultryman.

A HANDSOME CATALOGUE.

**Well-Made Carriages and Harness at
Factory Prices Are Sold Under
a Strong Guarantee.**

For years people have been buying carriages and harness of the Columbus Carriage and Harness Company, of Columbus, Ohio.

The plan of the company is to sell direct to the customer from the factory. They guarantee to refund the purchase price on any vehicle not satisfactory, and to pay the freight both ways in case of dissatisfaction on the part of the purchaser.

This plan has met with the success it

deserves, and the saving to the buyer ranges from \$10 to \$40 on an order, according to the price of the job furnished. This is the only company in Ohio making all their own carriages, buggies and harness in their own factory, and selling them exclusively to the mail order buyer. Naturally the prices are much lower than the ordinary dealer can meet, and the price saved in the purchase goes into the buyer's pocket.

Every one contemplating the purchase of a carriage, buggy or horse trappings of any sort should write a postal card to the company for their handsome illustrated catalogue, which gives complete information as to their way of dealing.

A GOOD LITTLE POULTRY BOOK.

We take pleasure in directing the attention of our readers to a little book before us, entitled "Proper Care and Feeding of Chickens, Ducks, Geese and Turkeys." It is published by the Des Moines Incubator Company, Des Moines, Iowa, and is sold for 10 cents a copy. No reader will begrudge the small price to get the accurate specific information which this little book contains. It is in neat, compact form and gives directions and pointers in a way that they will be applied every day by the poultry raiser. The different classes of fowls are treated separately. Particular attention is given to right starting, the foods that are adapted and those not adapted to new born fledgelings. It is an especially valuable book for beginners. Old poultry raisers will get many valuable suggestions from it. A copy may be procured by sending 10 cents direct to the publishers.



THE LITTLE WEATHER COCK.

This is the very appropriate name that Mr. Geo. H. Stahl has given to an entertaining, interesting and really valuable little novelty which he will send free to any of our subscribers. It is a very fetching and saucy looking little rooster, so dressed that the color of its clothes surely foretells the weather—dry, wet or changing. It is really a scientific weather forecasting device. Mr. Stahl will send one free to any of our subscribers who will write to him for it, enclosing 6 cents for postage and packing and mentioning this paper. He will also send one of his new, large, illustrated catalogues of the famous Excelsior Incubators and the Wooden Hens, which he has manufactured for the past twenty years. His advertisement will be found elsewhere in this paper.

We recommend that our readers send at once. Address Geo. H. Stahl, Quincy, Ill., and do not forget to mention the AMERICAN POULTRY JOURNAL.

F. L. Waterman & Son, Barrington, Ill., won as follows in their Buff Wyandottes at Elgin, December, 26-30, 1904: 1st and 2d cock, 1st, 2d and 3d hen, 1st, 2d, 3d and 4th pullet, 1st, 2d, 3d and 4th cockerel 1st and 2d pen. Five exhibitors and forty birds in class.

Mrs. Tilla Leach, Cheneyville, Ill., the Barred Rock specialist, won 1st on pullet and 3d on cockerel, in strong competition at the late Illinois State Show, Peoria, Ill. Mrs. Leach knows how to produce the good ones. Write her for prices.

NINE BRAND NEW INCUBATOR AND BROODER IDEAS



Have You Seen Them?

If you haven't you'd better write at once for "the book" and read about them. Some of them are in the incubator and some of them are in the brooder. We've got them everywhere, and they're so valuable and at the same time so simple, that you'll wonder why on earth some one hasn't thought of them before. They are all new and fully protected by patents, and therefore will only be seen on

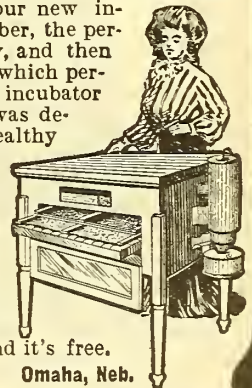
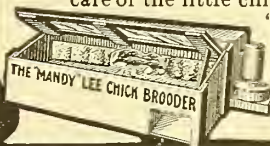
The "MANDY" LEE Incubators and Brooders

"You've certainly got them all beat on incubators and brooders," said a Chicago poultry crank the other day. "I thought I saw some good ones down at the 'big show' in St. Louis, but I didn't see anything like these"—and he didn't. When he saw our new incubator improvements—the protected egg chamber, the perfect air circulation, the life saving sub-nursery, and then the nursery proper with the door at the bottom which permits the transfer of the little chicks from the incubator without opening the door in front at all—he was delighted. But when he saw 100 bright, healthy chicks in the brooder—not a sick one in the lot—and saw how perfectly contented the little fellows were with our system of direct contact heat, he was fairly carried away, and you would be too. The old hen herself couldn't take care of the little chicks any better than The

"Mandy" Lee Brooder does. We can't tell you all about it here, but our catalog will and it's free.

GEO. H. LEE CO.,

Omaha, Neb.



\$5

THE RUSS Prize Winning Brooder.

SEND FOR DESCRIPTIVE CIRCULAR.

EXCELSIOR WIRE & POULTRY SUPPLY CO., DEPT. O
26 & 28 VESEY STREET, NEW YORK CITY.



"NO COLD CORNERS"

KEEP THE HENS LAYING Their usefulness lies in laying the golden eggs. Hen hatching and rearing of chicks is no longer practiced by the up-to-date poultryman. **FOR HIGH PER CENT HATCHES, THE**

Iowa Round Incubator

reigns supreme. Our Catalogue giving many valuable suggestions on the caring for poultry, is free to those interested. Write to-day and learn all about artificial incubation.

IOWA INCUBATOR CO., 25 Locust St., DES MOINES, IOWA.

We Make Brooders Too.

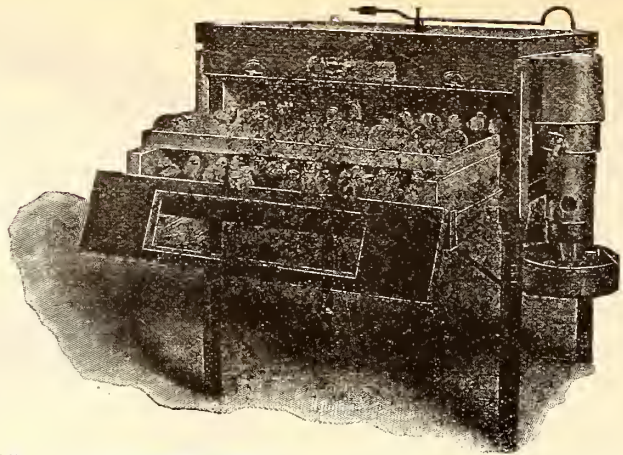
Are You Happy

after shaving? Is it easy and pleasant? It depends on whether you use

WILLIAMS' SHAVING SOAP

Sold everywhere. Free trial sample for 2-cent stamp. Write for "The Shavers Guide and How to Dress Correctly."

The J. B. Williams Co., Glastonbury, Conn.



INCUBATOR CLEANLINESS NECESSARY.

Many experienced operators of incubators have often deplored the fact that many incubators have so little room for the little chicks underneath the egg tray. Then again a few machines have considerable room in this space, but the chick tray is so constructed that it is extremely unpleasant and difficult to thoroughly clean and disinfect the inside after the hatch is over.

To overcome these objections was a problem that set the Gem Incubator people to figuring. A great many incubator users unite in deciding that the Gem fulfills the necessary conditions.

It has a commodious and well venti-

lated chick tray underneath the egg trays. At the end of the hatch all the newly-hatched "puff balls" are resting comfortably in this tray. After the hatch is over the chick tray, egg trays and everything inside the cabinet can be removed, leaving a large, open, clear space to work in. Every experienced operator knows that an incubator must be free from filth and foul odors if high per cent hatches are to be expected.

This removable chick tray is one of the exclusive features of the Gem Incubator, and commends itself to every thinking poultry raiser.

There are other points of superiority about the Gem that would be interesting to mention, which are taken up in detail in the handsome new catalogue. This catalogue is free. Write to the Gem Incubator Company, Box B, Dayton, Ohio.

BUCKBEE'S BIG SEED CATALOGUE.

We wish that every reader of ours would send for a copy of Buckbee's Big Seed and Plant Guide for 1905. It is replete with good illustrations, showing many vegetables and flowers in their true natural colors. This book contains a vast fund of information of especial value to buyers of seeds and plants. Buckbee's seeds are the best that money can buy. They are "full of life" simply because Buckbee tests all his seeds by planting them in the ground. His expert tester has a cast iron rule that 98 out of every 100 seeds planted must produce healthy, vigorous plants or the seed is rejected and sent to the feed bins. "Full of life" is Buckbee's motto and the busy bee is his trade mark. Value up to the brim is evidenced in every price quoted. It pays to plant Buckbee's seeds and plants. The Big Buckbee Seed and Plant Guide is free to all our readers who mention this paper. Address H. W. Buckbee, Rockford, Ill.

ELKHART, IND.

A good many people know this town because every Lake Shore passenger train stops there to change engines. Even the famous 20th Century Limited which does not enter the large city of Buffalo, N. Y., and passes through a great many other large places without stopping, halts for a few moments' rest at Elkhart. But many thousands more know Elkhart because it is the home of the famous Elkhart Buggies, and thousands upon thousands of these sterling vehicles are in daily use all over the country and abroad. For thirty-two years the Elkhart Company has been selling their product direct from the factory to the consumer. Their Catalog is most complete, showing over 200 styles of Vehicles and 65 styles of Harness. It is gladly sent free to any reader of this paper who will write for it. Address Elkhart Carriage and Harness Mfg. Co., Elkhart, Ind.

FOR YOUR FACE'S SAKE.

If your face burns and itches, after shaving, don't swear at your razor or break up the furniture. Stop using cheap soap, and try real shaving soap, made especially for that purpose. The J. B. Williams Co., Glastonbury, Conn., have been making shaving soap for nearly

three-quarters of a century. It will take but a moment to send for a free trial sample, as per their offer in another column, and you will reap the benefit all your life, and your wife will have a better natured husband.

BUY POULTRY FOODS.

One of the best places to buy poultry supplies, and particularly poultry foods, is Darling & Co., Union Stock Yards, Chicago, Ill. Their prices may not be as low as some, but price is not the whole nor in fact the chief consideration. What poultry raisers want to make sure of is that the ready prepared foods they buy really do contain the valuable elements claimed for them. The high quality of Darling & Co.'s Pure Poultry Foods cannot be questioned. In the first place these people have the facilities for getting raw materials that few poultry food makers enjoy. Their location at the greatest packing center in the world gives them this. In the second place this company has a standard that must be reached by everything it manufactures.

Their foods for egg production, for chick feed, for growth and development are not only the highest quality of their kind, but they are uniform. For example, take their beef products, such as beef scraps, beef meal and concentrated meal. The highest authorities we have, the Government Experiment Stations, highly endorse the use of this class of goods, but warn poultry raisers against stale products, etc. This is where Darling & Co.'s scrupulous care has served them a good turn. Their poultry foods not only run exceedingly high in protein, but have little or no fat. Protein is the essential element of any poultry food. An excess of fat is not desirable. In addition, they fulfill the Experiment Station's other requirements, namely, the foods are fresh, sweet and free from taint.

About everything a poultry raiser wants to use may be had from this company. They are specialists in this line.

Darling & Co.'s Pure Poultry Foods give results. The majority of the large and successful poultry raisers in this country and elsewhere feed Darling's products exclusively. Do you? If not, a trial would convince you of their merits.

Darling's little pamphlet, entitled "Fill the Egg Basket," should be in the hands of every poultry raiser. You do not have to be a patron of the house to

A Hen's Teeth

are in her stomach. Give her good teeth and she'll digest good food for you and turn it into profit. The poultry raisers who supply their hens with

Mico Spar Cubical Grit

find it never loses its sharp points and corners. It is the best kind of teeth you can give your hens. Contains iron for yolk; lime, soda, magnesia for shell. It costs a cent a pound in hundred pound bags at your dealers. Agent wanted in every town. Send for free folder that tells all about it.

International Mineral Co.
120 Tremont St., Boston



GIZZARD

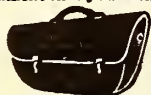
DO YOU WANT A CORNET

ORDER ONE TO-DAY



Finest Cornet ever offered at the price. One that dealers would have to ask double for. Here it is! A beautiful instrument, full, rich, clear-toned, and easy to play, suitable for professional or amateur; guaranteed to please every purchaser—a genuine, improved Besson model, imported brass instrument, fine in every way, complete with Music Lyre, and Leather Satchel with Shoulder Strap for \$19.00, sent C. O. D. with privilege of 6 days' trial. A wonderful Cornet bargain. Write for our large free Catalogue of Musical Instruments, illustrating "Everything Musical"—violins, banjos, guitars, mandolins, drums, accordions, harmonicas, etc., etc., largest and best stock in the country to select from, at prices that mean big savings to buyers. Our Sheet Music catalogues list all the latest compositions, from sacred selections to the catchiest "rag-time," and a full line of instruction books for every instrument. We have them all and can fill orders promptly. If you have an old instrument that you wish to exchange for a new one it will pay you to write us. We can offer especially liberal terms in trade. Send for our latest list of SECOND-HAND instruments, thoroughly overhauled and made new, we may have just what you want. If we have, we can save you some money, and at the same time give you a good instrument. It will pay you to keep in close touch with us. Write right now.

H. E. McMILLIN
109 Superior St., Cleveland, O.





THE SHAUB COMPARTMENT BROODERS

have stood every test of time and tempest. Equally good for out or indoor use. Every year the sale of them increases and they always give satisfaction. They furnish natural conditions for the chicks and are constructed to give best results. Ten years of success have made the Shaub Brooder the leader of all. The machine is right and the price is right. Send for free booklet describing it. **M. O. Sherer, Box 104, Louisville, O.**

CRUM'S WHITE ROCKS

are not noted for their numbers but their quality. If you are looking for something choice write me and we will talk the matter over. A few pedigreed Belgian Hares. No catalogue.

DR. W. A. CRUM, Upper Sandusky, Ohio.

More Eggs for Less Feed Than Any Other Breed.

S. C. White Leghorns

At the great Chicago Show I won 3d cock, 1st hen, 1st cockerel, 1st pen and silver cup for best display. Eggs for hatching. Write for mating circular. No more stock for sale.

O. L. PUTNAM, Harvard, Ill.
Formerly Lake View Poultry Farm, Walworth, Wis.

Buff Wyandottes.

Boston Winners.

MATTISON & DUTCHER.

C. S. MATTISON, S Shaftsbury, Vt
F. J. DUTCHER, Hopedale, Mass.

Don't Let Your Little Turkeys Die

...USE...
The Wonderful Antiseptic Turkey-lene
Remedy and Tonic
THE NATIONAL TURKEY-LENE CO., Washington, D. C.

OFFICIAL BANDS



for marking Poultry at the Louisiana Purchase Exposition are the

Smith Sealed Also used exclusively at the Pan-American. Consecutive numbers, easy to read, never a duplicate made. Prices—12, 30c; 25, 50c; 60, 81; 100, \$1.50.

Climax costs less, sure to stay, band-some, light. Over a million in use. Prices—12, 30c; 25, 50c; 60c; 100, 81. Send stamp and we will mail you samples.

The Keyes-Davis Co., Ltd.,
Dept. B, Battle Creek, Mich.



FIELD'S REID'S YELLOW DENT

The big brother of the original or Illinois type of Reid's Yellow Dent. Bred to fit the Iowa idea of longer ears, rougher grains, plenty of vigor, and a big yield. Same perfect form, handsome color, deep grains and straight rows, but a bigger, better type every way. I sell it either ear or shelled. Catalog, photographs, and samples free and I throw in a package of watermelon seed and one of flower seeds besides. Send for them today.

HENRY FIELD
Seedsmen
Box 48
Shenandoah, Ia.
"The ear seed corn man."



secure it. They also publish a large and finely illustrated Poultry and Stock Supply Catalogue. Both will be mailed free upon request. See their advertisement elsewhere.

CONTENTS OF THE JANUARY NUMBER OF THE AMERICAN BOY.

The twelve stories, nearly all of them illustrated, in *The American Boy* for January ought to make the boys' mouths water. These stories are of great variety, so that every sort of a boy ought to be pleased. Their titles are: "Up a Limb," a hunting story; "For the Mikado," a Japanese-Russian war story; "The Scoop of the Bald Eagle," a newspaper story; "The President's Cadet," a story of General Grant; "Pablo Mariscal," a Spanish-American story; "The Wire Fence Telephone," a farm story; "My Four Years at West Point," a school story; "Joyce Thatcher's Race," a farm story; "The Pilot Boys of Norway," a sea story; "A Race with a Stampede," a story of the plains; "Sufficient Unto the Day," a humorous story; "One of the Most Glorious Deeds Ever Done by a Boy," a story of heroism. Sixty-nine illustrations in all. \$1 a year. The Sprague Publishing Company, Detroit, Mich.

A MUSICAL NURSE.

A friend of mine who could play as very few girls can told me she was going to be a nurse. My first impulse was to exclaim: "But your music! You will waste your talent." Then she told me she believed a nurse who was a musician could do more to heal nervous patients and those suffering with racking pain than many remedies used in the medical world. "I play to the listless and to those in pain," she said, "and their eyes brighten and a flush comes to their cheek. Or if it is the tired, overstrained patient, then it must be lullabies and restful tunes, not the martial music that sends the blood pulsing through the veins. A musician must not give the wrong tunes, but feel the pulse of the patient's mood, and invigorate or soothe as the need be."—Edith Livingston Smith in *Good Housekeeping*.

NEW FEATURES IN THE CENTURY.

Early numbers of *The Century*, it is announced, will bring, among other good things, fiction from Alice Hegan Rice, Edward W. Townsend, Eden Phillpotts, Maud Wilder Goodwin, Caroline Abbot Stanley, Margherita Arlina Hamm, Kate Douglas Wiggin, Maurice Francis Egan, Anne Warner and Helen R. Martin; and articles of importance and value on "Korea and Its Emperor," by William F. Sands, former adviser of the emperor; "The Everglades of Florida" and "Philadelphia in Art." A notable feature of the February number will be the story of "The Boston Symphony Orchestra and Its Founders," by Richard Aldrich, illustrated with numerous portraits and sketches. Early issues will contain, too, articles on the miracles wrought by Luther Burbank's work in breeding fruits and flowers; edible cacti, the white blackberry, the plumcot, etc., etc.

We are pleased to place before our readers the announcement of the A. A. Berry Seed Company, the big seedsmen of Clarinda, Iowa. Mr. Berry, the head of this substantial firm, is one of the best known seedsmen in the Trans-Mississippi country. His experience in growing and curing of seed corn, garden and field seeds, taken together with his known integrity as a business man and the location of his plant in the very heart of the great seed producing section, all conspire to make the A. A. Berry Seed Company one of the best seed houses in the United States to patronize. By so doing you get the best varieties and the best quality that can be produced in seeds. The business of this firm has grown to such an extent that assistance in its care and management became necessary. To this end he has secured the services of Mr. Ahfeldt, a young man of wide experience and fine executive ability. The year 1905 finds the A. A. Berry Seed Company better equipped than ever as to shipping facilities, supply of seed and general equipment to serve their hosts of customers. Their fine new catalogue explains their new premium plan. It is free for a postal, and it would be well to send for this, as it is a valuable compendium of useful information to farmers.

\$3 a Day Sure

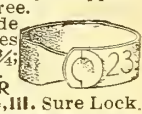
Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free, you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work absolutely sure. Write at once. **ROYAL MANUFACTURING CO., Box 758, Detroit, Mich.**



THE GEM Adjustable Leg Band. Either band, price postpaid: 12 Leg Bands 15c; 25, 30c; 50, 45c; 100 75c. Sample Leg Band Gem Adj. No. 1 and Pigeon Bands with catalogue on Poultry Supplies Free.

SURE LOCK

is made in 6 sizes No. 1, 1/2 in; No. 2, 3/4; No. 3, 1; No. 4, 1 1/4; No. 5, 1 1/2 in; No. 6, 1 3/4. Manufactured by **H. TURNER & CO., 6404 Ellis Ave., Chicago, Ill.** Sure Lock.



THERE'S NO ?

in the minds of those who know—who have tried them—that Gibson's Poultry Food and Poultrymen's Necessities

GIVE RESULTS

Mr. L. J. Ober, Secretary of the Dallas County Poultry and Pet Stock Association, Redfield, Iowa, writes:

"Your goods gave great satisfaction, especially the Mico Spar Cubical Grit and Gibson's Natural Chick Food. The latter was won and used by our President, Mr. M. V. Leeper, who said it was the best he had ever used and that none of his chicks had a sign of bowel trouble."

We carry best and most complete line of

EVERYTHING FOR the POULTRY BUSINESS

Incubators, Brooders, Foods, Remedies, Lice Killers, Grits, Standard Bred Poultry, Fertile Hatching Eggs. Our Free catalog shows you a comprehensive line, and everything the best of its kind. **W. J. Gibson & Co. Inc. Rialto Bldg. Chicago**



Use It Again.

You can remove and use any number of times without injuring the aluminum

Convenient Leg Band.

Snaps on, large raised figures, sizes for all breeds. Prices, 12 bands 20c; 30 bands 45c; 60 bands 75c; 100 bands \$1.00. Sample cheerfully mailed free. Ask for it. **H. O. SHAW, Box 103, GRINNELL, IA.**

More Egg Money
To get the most eggs and make the most money, keep your hens in the best possible condition, by feeding

STANDARD POULTRY FOOD

"It Makes Poultry Pay."

It's the great condimental food for poultry of all ages and all kinds, inducing health, vigor, eggs and profits. It is both vitalizing and nutritious, taking a place in the ration for the price than any other two sizes, 50 cents and 25 cents.

TRIAL OFFER
If your dealer does not handle the Standard, take no substitute but send to us for special trial offer. We also make Standard Insect Powder.

STANDARD STOCK FOOD CO.,
1529 Howard St., Omaha, Neb.

1882 **HOLYOKE'S** 1904
 Exhibition birds. Utility birds. Prices reasonable. Eggs in season.
J. E. HOLYOKE - **ADRIAN, MICH.**

KAYE'S S. C. BLACK MINORCAS
 Northup Strain, bred for heavy layers. At the great Chicago December Show 1904, won 1st cock, 1st and 2d cockerel, 1, 2, 3, hen; 1, 2, 3, 4 pullet; 1st pen; silver cup for best and largest display. Large, vigorous chicks, and eggs for sale. Eggs in season \$2 per 15, \$10 per 100.
A. B. KAYE, Kaye's Park, Lake Geneva, Wis.
 P. O. Address, R. F. Dr., Walworth, Wis.

White Wyandottes and White Crested Polish
 Won wherever shown. No stock for sale. A limited number of eggs from the finest in the world.
 Send for circular and show record.

THOS. P. SMITH

HOOPESTON, ILLINOIS



Judge S. T. Lea says that "Alice White" is the most beautiful and nearer perfection than any bird he ever handled in 20 years judging poultry.

The Gaines' White Ply. Rocks

BRED TO WIN-AND DO IT

We offer a prize of \$50 in gold for best pair, (cockerel and pullet) Free circular which explains, on request. The Gaines White Rocks won at Charleston, S. C., Nov. 21 to 26, 1904. Pullets, 1st, score 97¼; 2d, 95½; 3d, 95¼; tie 4th, 94¾; also 3d pen. Male birds all in bad feather. Eggs for hatching but no stock for sale till fall.

E. H. GAINES, Prop., GAINES' POULTRY YARDS, GAFFNEY, S. C.

HALLOCK'S STRAIN OF QUALITY WHITE WYANDOTTES

Won at the Madison Square Garden Show, New York, January, 1905, on seven entries, 1st hen, 1st cockerel, 1st pullet and 1st pen, in the hottest class of White Wyandottes ever gotten together at New York City. I sold the cockerels heading the first prize pen for \$200.00 and one of the pullets out of the same pen for \$100.00. I could afford to sell this cockerel as I have five of his full brothers just as good to breed from. All my other New York winners are in my yards. Will sell eggs for hatching at \$3 per 13, \$5 per 26, \$15 per 100, and guarantee seven chicks from each sitting. Order direct from this advertisement. Stock sold on approval.

ROSS G. H. HALLOCK,

6314 Clifton Ave., St. Louis, Mo.



Black Langshans

First prize at World's Fair, Kansas City, Dallas and Houston. Won the \$50 cup at Shreveport over all breeds; pen scored 191. Record for 1904 birds score 95 to 95½. Eggs \$3 for 15. Birds for sale, satisfaction guaranteed.

J. E. R. CHILTON, Dallas, Texas



...ST. LOUIS WINNERS...

Hislop's American Strain of Toulouse Geese and his Golden Wyandottes again compete with the best in America and at the largest show—the great St. Louis Exposition. Geese, 3d and 4th cock; 1st and 3d cockerel; 3d and 7th hen; 5th and 6th pullet. Won more points than any other one exhibitor in this class, and club's cup. Golden Wyandottes—the strongest class of this variety ever exhibited in the United States—4th cock, 4th cockerel, 1st and 3d hen, 5th pullet and 4th pen. Don't place orders till you see his circular giving prices, Pan American and Chicago winnings, etc., etc. Try his **MITE DESTROYER**, the most lasting and the cheapest ever offered the public. Satisfaction. Reference, First National Bank of his town.

B. F. HISLOP,

Milford, Ill.

Millville Poultry Farm Co.'s

PLYMOUTH ROCKS AND WYANDOTTES

At World's Fair, St. Louis

win more firsts than any three other exhibitors of their varieties. A grand total of 55 regular and special prizes in hottest competition ever known, makes best record ever made on their specialties. We offer you sons, daughters, brothers and sisters of our World's Fair winners at fair prices. Can sell you A 1 breeding birds or crack show birds, as you may choose. During December will sell a selected Pekin drake and five April ducks (unrelated) for \$15. In Plymouth Rocks we have Barred, Buff and White varieties. In Wyandottes, Buff and White. New 32-page illustrated catalogue is free, and we hope you will write your wants to

MILLVILLE POULTRY FARM CO.

M.F. DELANO, Pres.

Box J, Millville, N. J.

FOR THE HOUSEWIFE.

Writing on "Various Economies" for the young housekeeper in the February Dealerator, Isabel Gordon Curtis discusses a fruitful topic in how to keep expenses within the income and gives some practical suggestions that will appeal to the housewife who is yet unskilled in her art. Other features of domestic interest are "Valentine Luncheon Novelties" and "Ideas for a Colonial Tea," illustrating original dishes for seasonable entertainments, and there are many practical recipes under the topics, "Left-overs in Original Adaptations," "Novel Celery Combinations" and "Scandinavian Rosettes," in addition to miscellaneous household hints.

Kansas City, Mo., Aug. 30, 1904.
 Mr. W. F. Chamberlain,
 The Perfect Chick Feed Man,
 St. Louis, Mo.

Dear Sir: I write to say that I have been using your Perfect Chick Feed for a long time, and I have had better results feeding it than I have ever had before. I tell my customers and every one that I meet to use Chamberlain's Perfect Chick Feed if they want good, healthy chicks.

I can take one hundred little chicks, put them in the brooder I am now using, and feed them on Chamberlain's Perfect Chick Feed and raise every one of them. I have done it, and I can do it again. This feed well deserves the name perfect. Yours respectfully, J. P. DILYEA,
 1407 Grand Avenue.

Charles G. Miller & Son, Boonville, Mo., report the following grand winnings on their noted Black Langshans: "At Illinois State Show, January 5 to 9, we won 1st cock, 2d and 3d hens, 1st, 2d and 3d pullets and 1st pen. We entered no cockerels. During the week ending January 14 we had two exhibits of nine birds each and won at Kansas State Show 1st cock, 1st and 3d cockerels, 1st and 3d pullets, 1st and 3d hens and 1st pen. At Denver (Colorado State Show) we won 1st cock, 1st and 3d cockerels, 1st hen, 1st, 2d and 3d pullets and 1st pen. All of the above bred by us. At the above three shows with the strongest competition in the country we won every first entered for except one."

At the International Show, held at Detroit, January, 1905, Charles H. Ring, Decatur, Mich., won 1st and 2d cock, 1st and 2d hen, 1st, 2d and 3d pullets, 1st pen and silver cup in his White Wyandottes. In White Rocks he secured 2d and 4th hen and 2d cock. Mr. Ring has something to say of interest to all White Wyandotte and White Rock breeders in his ad in AMERICAN POULTRY JOURNAL. These winnings were under Judge Thos. F. Rigg.

Otter Creek Poultry Farm Co., Watertown, N. Y., breeders of Single Comb Black Minorcas, Single Comb White Leghorns and Barred Plymouth Rocks have a change of ad this month in which they are offering choice young stock for sale at very tempting prices. Also eggs from their prize winning matings. This firm has been breeding and shipping thoroughbred poultry for the past fifteen years and they guarantee satisfaction in every particular. They raise hundreds of fowls every year and can always fill orders promptly and their prices are very reasonable, considering quality. Write for circular and mention AMERICAN POULTRY JOURNAL.

Brent & Eddy, Oconomowoc, Wis., breeders of Cornish Indian Games and White Wyandottes, exhibited their Indian Games at the Madison Square Garden Show, January 3-7, 1905, and won 4th and 5th cockerel and 4th pullet. This was a very creditable showing in an exhibition where the class of Indian Games is always strong, and proves that this firm knows how to breed the prize winners. Write them for prices and particulars and mention the AMERICAN POULTRY JOURNAL.

At the Michigan State Poultry Association's show at Detroit, January 2-5, 1905, the Cherry Red Strain of S. C. Rhode Island Reds won as follows, Judges Butterfield and Tucker placing the awards: 1st and 2d cockerel, 92¾, 92; 1st and 2d hen, 93-92; 1st and 2d pullet, 91-89¾, cut one on weight. This shows that Elmer B. McGaw, Ypsilanti, Mich., breeds good birds and is not afraid to show them.

J. A. Barnum's Barred Plymouth Rocks Win Again—At the Michigan State Poultry Show at Detroit, Jan. 3-6, '05. J. A. Barnum, Tekonsha, Mich., reports winning in hot competition first ckl., first hen and first pen on his Barred Rocks. No cock shown.

In the past 14 months Mr. Barnum has exhibited twice, winning a grand total of 6, 1 first, 1 second, 1 third and special for best cockerel and pullet besides tying for another second and third. Six firsts out of 7 competed for.

Mr. Barnum is pleased to answer all inquiries and mails a neat catalogue with his reply.

The second edition of the Poultry Publishing Co. Desk Book, Directory and Buying Guide is now issued. This gives the names of all the prominent poultrymen arranged by the breeds that they raise; also a complete list of manufacturers and dealers in incubators, poultry supplies, etc.

This is issued by the Poultry Publishing Company, Station B, Toledo, Ohio. A few copies of the first issue are left, and both issues will be sent for the price of one while they last.

Look up their ad in this issue, as this is a very excellent thing for all poultry buyers to have.

John C. Plane, Belvidere, Ill., the S. C. White Leghorn specialist, has purchased a twenty-two-acre farm one mile west of Belvidere, to which he will move in time for spring hatching. Mr. Plane's success in the poultry business is the main inducement for branching out in the industry. This farm is an ideal location for poultry and Mr. Plane is making special efforts to add to the already enviable reputation he has made as a breeder of Single Comb White Leghorns.

Mr. J. A. Leland, Springfield, Ill., reports that he made the following winnings: At Springfield, Ill., November 28 to December 3, 1904, I won all first prizes upon Rose Comb White and Brown Leghorns, Single Comb Buff Leghorns, Pekin Ducks and Embden Geese, also 2d and 3d White Wyandotte hens, 2d and 3d cocks and 3d hen Light Brahmas, with scores of 90 to 96 points by Heimlich.

J. A. Leland, Springfield, Ill., writes that he has one hundred good to choice Rose Comb White Leghorns, a few very choice Pekin Drakes and some Rose Comb Brown and Single Comb Buff and White Leghorns for sale at low prices, quality and breeding considered. Send for his new circular and mention American Poultry Journal.

Through error we located Orville D. Chinn at Kehoe, N. Y. This should have been Kehoe, Ky. Mr. Chinn breeds Black Breasted Red Games. He has been twelve years at the business and knows how to produce the good ones. Our readers who are interested in this variety should write him for prices and particulars.

At the Missouri State Show, Moberly, January 3 to 6, 1905, H. P. Mason, the Buff Rock specialist of Fayette, Mo., kept up his wonderful record by winning 1st and 2d cock, 1st and 2d hen, 1st and 2d cockerel, 2d and 5th pullet, 1st and 2d breeding pen and the State Silver Cup for best cock, hen, cockerel and pullet.

C. E. Vass, Washington, N. J., the Buff Orpington specialist, won as follows at the World's Fair, St. Louis: 1st and 3d hen, 4th cockerel and 7th pullet. At Madison Square Garden, N. Y., 2d cockerel in a class of thirty-nine birds. Write him for prices and particulars and mention AMERICAN POULTRY JOURNAL.

The Edgar Poultry and Egg Farm Company, Richwood, Ohio, have a change of ad this month. This is an incorporated company, with a capital stock of \$15,000, and are breeders and dealers in several of the leading varieties of thoroughbred poultry. Look up their ad elsewhere in this issue and write them for prices.

Mrs. Tilla Leach, Cheneyville, Ill., won on her Barred Plymouth Rocks at Peoria, Ill., as follows: 1st pullet, 3d cockerel, in the hottest kind of competition.

F. A. Crowell, Granger, Minn., won as follows on his S. C. Buff Orpingtons at Cresco, Iowa: 2d cock, 1st cockerel, 1st and 2d hen, 1st pen.

219 Egg Strain Barred Plymouth Rocks 219

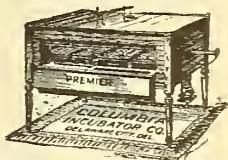
Large and prolific laying strain. 250 of my B. P. Rocks averaged 219 eggs each in one year. Have been bred for size and eggs for 14 years. If you wish a fine breeding cockerel or eggs, at half price, from these wonderful layers, Write

WM. J. DAVIS, R. R. 1, Eaton, Indiana

OUR STANDARD INCUBATORS

Sold direct to purchasers at lowest prices. **NO AGENTS.** Latest double-wall 250-Egg Nursery Incubator and Brooder. Everything complete, with Directions and Plans, for \$28.00 cash. **Satisfaction guaranteed.** Reference, Delaware City National Bank. Set of Poultry House and Brooder Plans, 10c. Large 150-page Poultry-book, 50c. Prompt shipment of anything ordered.

COLUMBIA INCUBATOR CO., Delaware City, Del.



Money In your Garden

Do you know how best to get most of it out? Subscribe for a paper that details every month all the newest methods practiced. It is

THE FRUIT-GROWER

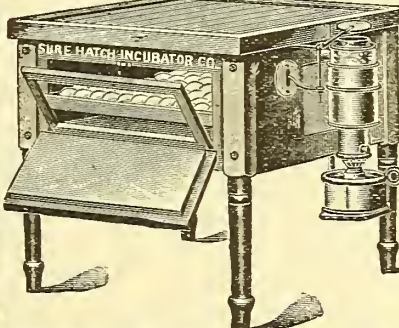
A paper devoted to fruit culture, with a garden department. We will publish in March, 1905, a special "Gardening" number full of "meat" for gardeners and farmers. Subscribe now and get information worth hundreds of dollars in profit. This is one of four "1905 Specials" on "Spraying," "Apples" and "Small Fruits." Subscription, 50c yearly. Send 25c and names of 10 persons interested in fruit-growing, for a year's trial. Write us how to get our ten "Bro. Jonathan Fruit Books" free. Eastern edition for States east of Ohio. The Fruit-Grower Co., 1007 S. 7th, St. Joseph, Mo.



SURE HATCH INCUBATORS

Hatch Chickens Every Time; Hatch Live Chickens; Hatch Every Fertile Egg

Cost little to run. 30 cents in oil brings off a hatch. Easy to operate—a child can do it. Make big money on small investment. Last a lifetime. Built of California redwood. Three walls, asbestos lined; solid as a rock, yet very light. California redwood never swells or shrinks, warps or cracks.



Asbestos is the proper lining for incubators—reflects heat from top of machine onto the eggs. Mother Nature way. Have 12-ounce cold-rolled copper pipe heating system; makes steady, even heat all around sides and over top. Copper water heater has 128 square ins. heating surface; largest heating surface ever put on an incubator, insuring perfect temperature at minimum cost. Regulator on inside of machine, already adjusted. Cannot be knocked out of position or broken. Everything about the Sure Hatch Guaranteed by \$100,000 for Five Years. The Sure Hatch is

SOLD ON 60 DAYS' TRIAL

which gives you an opportunity of taking off two hatches, and thoroughly trying machine. Over 50,000 in use and giving satisfaction. 10-egg actual size 120, with all improvements worth having on an incubator, shipped to your station, freight prepaid east of the Rocky Mountains, for..... **\$10.00**

Most liberal offer ever made by any concern. Send \$10.00 and we will ship machine at once. You have privilege of trying same for 60 days. If not satisfactory money will be refunded. Shipments can be made immediately. If you live east of the Mississippi river, address Indianapolis, Ind. If west, Clay Center, Neb.

Free Catalogue now ready. Address

Sure Hatch Incubator Co., Box 67, Clay Center, Neb.; Box 1067, Indianapolis, Ind.

DON'T BURN MONEY

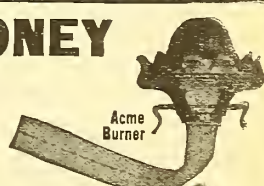
SAVE HALF

and get more heat and better light, by using

ACME SPECIAL BURNERS



Acme Triple Burner



Acme Burner

Made in two sizes, No. 1 and No. 2. The No. 2 will make more heat and light than any No. 3 burner, and use 20 per cent less oil. The Acme Trip burner saves 1/2 the oil for incubator use, because regulator turns flame up or down as needed. Can't over-heat or char the wick. The Acme Wick requires no trimming, is special close woven and twice as thick as other wicks, and enclosed in seamless metal tube with composition burner tip. As the oil passes through this composition, it is purified and converted into gas, burning with an intense heat and a brilliant light.

NO SMOKE - NO SOOT - NO OFFENSIVE ODOR

These wicks are for the Acme Burners only, and will last from 30 to 60 days for incubator use and 12 to 18 months for ordinary house use. Acme Burners fit any lamp. Give size of lamp collar when ordering. The Acme Automatic Gas Valve saves 75 per cent of gas for incubator use, because the regulator turns the flame down or up as needed. Burner tip can be located any distance and in any direction from the valve. For instance, burner can be placed under brooder hover and the valve remain on outside where it can be readily connected with regulator. Price of Acme Burner with wick, either size, pre-paid, 75c. Price of Acme Trip Burner with wick, either size, pre-paid, \$1. Price of extra wicks, either size, pre-paid, 10c each, 3 for 25c. Send for our complete catalogue of the Acme Compound Regulators, Acme Automatic Lamps, showing our latest combined damper and flame regulation, Incubator Fixtures, including the famous

PEERLESS INCUBATOR AND BROODER PLANS

Nearly 100 photographic views showing step by step every stage of incubator and brooder construction. It's free, send for it now.

H. M. SHEER CO., BOX 104, QUINCY, ILL.

Acme Wick

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Under this heading ads will be inserted for five cents per word each month for less than three months, **three cents per word for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. Commencing with the January, 1904 issue, all ads will be inserted under **classified headings.** No ads accepted at less than an average of 50 cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Copy for classified ads should reach us by 19th of month preceding date of issue. Write your copy plainly, as upon this the correctness of your ads largely depends. AMERICAN POULTRY JOURNAL is furnished every advertiser during the time his ad is running. **Forty thousand per month.** We guarantee an average monthly circulation of 40,000 copies of AMERICAN POULTRY JOURNAL. When placing your ads remember that advertisers of Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted.

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PLYMOUTH ROCKS.

FOR SALE or Exchange—50 Buff Rocks, Burdick strain, for Buff Leghorns or Light Brahmas. East Side Poultry Yards, La Grange, Ind.

GREAT BARGAIN SALE of 300 line bred Barred Rock cockerels and pullets from prize-winning ancestors. These youngsters are extra choice individuals and some of them will develop into winners in hot competition. Prices, either sex, \$2.50 each. Order to-day. Address Congress Park Poultry Yards, Congress Park, Ill.

BRADLEY STRAIN OF BARRED ROCKS. No better exists. March hatched exhibition birds will weigh 8 to 10 pounds. Guaranteed O. K. From \$2.00 up. Ed Lybarger, 32 Mack Ave., Shelby, Ohio. 12-3

BUFF ROCKS. The original Nuggets have added the entire Overbaugh flock. Birds from our yards in the hands of customers won at St. Louis the largest and strongest class ever exhibited. Our matings for this coming season are the cream of Overbaughs and Dr. Bennett's flocks. Eggs, \$5.00 per 13. Catalogue will tell the rest. C. L. Pensyl, Bloomsburg, Pa. 1-3

BARRED PLYMOUTH ROCKS—Pure bred stock for sale cheap to make room for winter. Mention ad. Lake View Poultry Farm, Markesan, Wis. 12-3

WHITE PLYMOUTH ROCKS—Fisbel, Roots and Hawkins strains. Pure white cockerel, \$2 and \$3 each. Eggs and stock in season. Ulric Dahlgren, Princeton, N. J. 12-3

EXPRESS PAID ON E. B. Thompson Ringlet Strain Cockerels and Pullets from very choice Exhibition pullet matings. \$3 and \$5 each. Last Elmira show, won first, second, third, fourth pullets; first pen, first cockerel. Chas. W. Pfister, Livonia, N. Y. 1-3

BARRED PLYMOUTH ROCK, E. B. Thompson Strain. 17 cockerels left out of 160; the cream of the flock. Will be sold, if taken soon, at \$1.50, \$2, \$3. Write for breeding circular. H. A. Werner, Clintonville, Wis. 1-3

BARRED ROCK—Eggs, \$1 for 15, from hardy stock. Good layers, good size and well marked. Dr. A. R. Johnston, New Bloomfield, Pa. 1-3

FOR SALE—50 Pure Bred Buff Plymouth Rock Cockerels. J. W. Warrant, Route 4, Mankato, Minn. 1-3

BRADLEY BROS. and E. B. Thompson fine Barred Rock Cockerels, \$2 up. Eggs, \$2. Guaranteed. A. W. Marburger, Denver, Pa. 1-3

WHITE ROCKS—Fisbel Strain, direct, \$1 and \$2 each; fine birds and worth more money; closing out. Also Buff Turkey toms. Harry Robley, Whitehall, Ill. 1-3

BARRED PLYMOUTH ROCKS—Young and Old Brights, best and other strains. Eggs in season. S. P. Lewis, 124 Prospect St., Ashtabula, Ohio. 1-3

BUFF ROCKS—Young Stock Score by Rigg—For sale. Cheap. Must have room. L. M. Mitchell, Elsherry, Mo. 1-3

WHITE ROCKS—Good breeding cockerels, \$1.50 to \$3.00. Also eggs from high scoring stock. Clifford Rhodus, Decatur, Mich. 1-3

BUFF PLYMOUTH ROCKS—J. D. Wilson, Worcester, N. Y., originator of this most popular variety. Continuously line bred since '88. Record world-wide. Best always the cheapest. Reasonable prices for stock. Eggs from solid matings, \$5 per sitting. 2-3

BARRED PLYMOUTH ROCK Cockerels, from stock scoring 92%, \$1.50 to \$3.00. A. C. Norris, Grinnell, Iowa. 1-3

BARRED ROCKS—Bradley Bros. and Thompson strains. Fine cockerels and hens. Springdale Poultry Yards, Wyalusing, Pa. 12-3

BUFF PLYMOUTH ROCKS—Pure "nuggets." The strain which made the breed famous. If interested write me. Theo. Benner, Bunker Hill, Ill. 12-3

WHITE PLYMOUTH ROCKS—A few choice cockerels for sale; eggs, \$1.50 for 15. H. W. Graves stock. W. R. Abbott, Ft. Atkinson, Wis. 2-3

PURE B. R. RINGLETS—Must go quickly; need the room for breeders. Scored birds, 90 to 92½ points. \$3 to \$5.50. Breeding pens, 90 points and over, \$7. Shipped on approval. Standard Poultry Yards, Coal City, Ill. 2-1

BARRED PLYMOUTH ROCK—E. B. Thompson's strain; five grand pens mated to win lay, weigh and pay eggs, \$1.50 for 15; 30 for \$2.75; breeding circular free. H. A. Werner, Clintonville, Wis. 2-1

BARRED PLYMOUTH ROCKS. Eggs one dollar for 15. Mrs. J. D. Turley and Miss Jessie A. Turley. Address latter Black Water, Mo. 1-3

BARRED ROCK EGGS \$1 per setting. Mrs. Ida Laverty, Promise City, Ia. 2-3

BARNES' BUFF ROCKS. Champion Nugget strain. Pens composed of birds scoring from 90 to 94½. Eggs, \$2.50 per 15. C. E. Barnes, Taylorville, Ill. 2-3

WHITE PLYMOUTH ROCKS exclusively. Old and young stock for sale. Prices reasonable. Orders booked for eggs. Write your wants. Geo. H. Jayne, Shelbyville, Ind. 2-3

MY BARRED ROCKS have a record of 18 ribbons (6 firsts) on 18 entries at Saratoga and Litzitz this season. Eggs, either mating, \$3 per 13; \$5 per 26. William Wisler, Douglassville, Pa. 2-3

BUFF ROCKS, pure breed, Cockerels and Pullets cheap; in season. M. Sarah Moore, Arcola, Ill. 2-3

EXHIBITION Barred Rocks, Thompson's Ringlets, eggs for hatching from our choicest prize winning lines at \$1.50 per 15; \$2.50 per 30; farm range incubator eggs, \$4 per 100. H. E. Kipp, Red Hook, N. Y. 2-3

BUFF ROCKS—Original world-renowned Nuggets. Won Madison Square First; also Pennsylvania State Cup. Free catalogue. J. A. Long, York, Pa. 2-3

BARRED PLYMOUTH ROCKS—To introduce our high class birds we are selling our eggs \$1.25 per 13 or \$5 per 100. Birds are large size, well barred. Sprague & Wiltsey, Russell, Iowa. 2-3

BARRED PLYMOUTH ROCKS—Raised from stock bought direct from Bright & Latham. \$2 to \$10 each; state your wants; guarantee perfect satisfaction. Pastime Poultry Yard, Hammond, Platt Co., Ill. 2-3

BARRED PLYMOUTH ROCKS, pure "Ringlet" strain; eggs, \$1 per 15. Incubator eggs, \$5 per 100. Luther J. Hall, Kenney, Ill. 2-3

BUFF ROCKS exclusively, 11 years. Golden Buff, correct shape, full weight, great layers. Eggs, \$1.50 per 15; \$2.50 per 30. Jno. F. Wintter, Wooster, Ohio. 2-4

CONES has made a specialty of Barred Plymouth Rocks for 12 years. Birds shipped on approval. Get prices on stock and eggs from best matings in central Indiana. S. F. Cones, Colfax, Indiana. 2-3

BARRED PLYMOUTH ROCKS—My yards contain winners at Newark, N. J., Lebanon, Carlisle, Hazleton and Bloomsburg, Pa. Eggs, 1 setting, \$2; 3 settings, \$5. J. H. Hazledine, Bloomsburg, Pa. 2-3

WHITE PLYMOUTH ROCKS—Cockerels for sale, \$2 to \$5 each. Guaranteed to be worth double or money refunded. C. E. Schofield, Marshall, Mich. 2-1

BUFF ROCK cockerels and pullets. Burdick and Bennetts strains. Pure golden buff, good size, good shape, excellent layers. Will raise you winners; eggs for hatching after February 1st. Satisfaction guaranteed. Fred Sperling, Dewey, Ill. 12-3

BARRED PLYMOUTH ROCKS exclusively—50 finest scored cockerels for sale cheap if taken soon. Mrs. L. W. Heller, Ladora, Ia. 2-1

BARRED ROCKS EXCLUSIVELY—Utility and fancy combined; best strains; eggs from selected high scoring stock, \$2 per 15. First pen headed by Bradley Bros. prize winning cock; circulars free. C. J. Priestad, Glencoe, Ill. 2-3

100 BARRED P. ROCK COCKERELS—Well marked legs and beaks; yellow as gold; \$2, \$3, \$5 each. March hatched birds; eggs, \$2 per 15; \$8 per 100. H. M. Lovett, 538 E. 44th street, Chicago, Ill. 2-1

BARRED PLYMOUTH ROCKS EXCLUSIVELY—America's very best strains. Hawkins, Thompson, Leffel Lash, Milns, Gardner, Conger, etc. Breeding and exhibition birds a specialty. Satisfaction guaranteed. Eggs for sale; circular free. J. D. Stevenson, Killbuck, Ohio. 12-3

SAUNDERS—Buff Plymouth Rocks only. Winners at Louisville. Eggs, \$2.50 per setting. L. Saunders, Nicholasville, Ky. 2-3

WHITE ROCKS—Twenty good cockerels for sale. Fishel strain. Eggs, \$1.50 for 15. White Holland turkey eggs, \$2.50 for 11. H. P. Tucker, R. No. 2, Ligonier, Ind. 2-3

EXPRESS PREPAID ON BARRED ROCK EGGS, Thompson's Ringlet strain; are grand in shape and harrings. Fair hatch guaranteed. Eggs from choice pens; \$1.50 per 15; \$2.75 per 30. Catalogue free. Will H. Schadt, Goshen, Ind. 2-4

NO GUESSWORK—White Plymouth Rock eggs from pens correctly mated to produce blocky, up-to-date stock. No long tails or backs. Prize winners at Taunton and Providence; \$2 per 15, \$7 per 100. New England Poultry Farm, Attleboro, Mass. 2-1

BUFF ROCKS—We won 5th universal, 5th club special and 2nd Missouri on chl at World's Fair. Have a few cks for sale scoring 90% to 92; trios, \$5 to \$10; eggs, \$2 per 15, from birds scoring 92 to 93½ (judged by Heimlich). Hinkle & Jenkins, Oakridge, Mo. 2-4

WHITE PLYMOUTH ROCKS EXCLUSIVELY—My stock is of the whitest and best blood that runs in any White Rocks. Write for description of stock before you buy elsewhere. Eggs from prize winning stock for sale reasonable. Satisfaction and fertile eggs guaranteed. F. P. Klotz, Neff's, Pa. 2-4

STANDARD BRED WHITE ROCKS—20 choice cockerels scoring 90 to 92½ by L. Butterfield, score card with birds. If you want a good breeder write me. Eggs from pen No. 1, \$10 per 15; pen No. 2, \$3 per 15; pen No. 3, \$1.50 per 15. All females in pen No. 1 score over 94, headed by cockerel 94½. Send for circular. Standard Poultry Yards, C. Sherrick, propr., Howlett, Mich. 2-3

BARRED ROCKS—Ringlet strain; eggs from exhibition matings, \$2 per 13, \$3.50 per 26. Eggs from farm stock, \$1.25 per 15. Allen Bussey, Belledower, Ill. 2-3

BARRED PLYMOUTH ROCKS, Ringlet strain—Eggs, \$1 for 15. S. C. Hunter, Hallsville, Ill. 2-3

CHOICE WHITE PLYMOUTH ROCKS—Fishel's strain. None better; in fine condition. Eggs, \$1.25 per 15. Mrs. M. Elliott, Warsaw, Ind. 2-3

WHITE P. ROCKS—Won 4th chl, 4th pullet, Ill. State show at Peoria Jan. 2 to 7, '05; also S. C. Brown Leghorn cockerels for sale; no pullets. Write your wants; I can please you. Jacob Giebelhausen, R. No. 34, Peoria, Ill. 2-2

WYANDOTTES.

HIGH CLASS WHITE WYANDOTTES—Choice stock, old and young, for sale at reasonable prices. Eggs, \$2 per 13. Circular free. L. H. Morse, Newark, New York. 1-4

SILVER WYANDOTTE winners. Twenty-four premiums at St. Louis, Belleville and Waterloo, Illinois, 1903-4. Stock scoring 94 points; eggs only \$2 for 13. R. P. Briegel, Columbia, Illinois. 2-3

MANORDALE FARMS—Famous bred-to-lay White Wyandottes; 140 eggs in 151 days is a pullet record. Eggs, \$2 per setting. Joe F. Charles, Mountville, Pa. 3-12

SILVER LACED WYANDOTTES exclusively. Won more first prizes at poultry shows the past ten years than any other breeder in this section. Stock for sale. Satisfaction guaranteed. Write your wants. A. B. Kreider, Sterling, Ill. 11-3

WHITE WYANDOTTE cockerels from very choice exhibition matings—Promoter, Roberts and Jackson strains, each pure. Three and five dollars each. Express paid. H. P. Sheldon, Livonia, N. Y. 1-3

McDANELL'S GOLDEN WYANDOTTES, clean, open lacing, grand combs and eyes. 25 trios for sale that will win in any show. If you want show birds, show color and shape, write quick. 3d pen, 7th cock, St. Louis. J. H. McDanell, Warsaw, Ky. 1f

FOR SALE—100 Pure White Wyandottes, mostly Cockerels. No circular. Write for prices. Ed Hippert, Kewanee, Ill. 12-13

BARGAINS—White Wyandottes scored by Heimlich. Large, healthy, high-bred; heavy layers. Genuine breeding bargains. Must be sold. Duplicate score cards and prices cheerfully furnished. Albert E. Vosseller, White Hall, Ill. 12-3

MORSE'S WHITE WYANDOTTES, bred for size and exhibition. Will win for you. Big, thrifty stock for sale. H. I. Morse, Box 201B, Olney, Ill. 12-3

FOR FINE Silver Laced Wyandottes address Helfrich Bros., Hammond, Ill. 12-3

CLEARING SALE—Wyandotte cockerels, every variety, grand birds, bred from choicest stock, \$2 and \$3 each. Money returned if not pleased. Thomas Wilson, Watkins, N. Y. 12-3

WHITE WYANDOTTES, the best that money can buy. Stock and eggs for sale. Circulars free. W. T. Rollins, Cardwell, Mo. 12-6

OUR ROYAL STRAIN of Silver Laced Wyandottes are only bred from highly scored pairs (not pens). Cockerels for sale. Pedigree on application. Ben Eilers & Son, R. R. 2, Gordon Ave., Peoria, Ill. 12-3

"HAND'S HANDSOME" White Wyandottes were winners at World's Fair. Young stock of best quality for sale. Prices reasonable. Mrs. H. W. Hand, White Hall, Ill. 12-3

THIS SPACE belongs to Elmer Gimlin, Taylorville, Ill., the White Wyandotte specialist, who cleared 100 per cent on his capital invested in White Wyandottes last year and refused orders amounting to over \$5,000. Nevertheless he has closed out his entire poultry business and placed his money in the irrigated lands in the Pecos Valley, Texas, where he is making over 200 per cent on his capital. All information furnished entirely free. 12-3

SILVER PENCILED WYANDOTTE cockerels, \$3.00; a fine trio, \$10.00. Partridge Wyandottes, a trio, \$7.50 and \$10.00. E. O. Thiem, Denison, Iowa. 1-3

FIFTY Choice Golden Wyandotte Cocks and Cockerels at bargain prices. Circular. A. F. Hertzler, Burlington, Ia. 1-3

FOR SALE—Thirty choice White Wyandotte pullets and ten cockerels, pure Duston stock. Elmer Jasper, Lafayette, Ind. 1-3

BUFF WYANDOTTES—Quaker Strain. Bred right. Stock for sale. Orders booked for eggs. John F. Eisenbower, Bustleton, Pa. 1-3

PARTRIDGE AND SILVER PENCILED WYANDOTTES—Four National, Nine State Prizes; World's Fair twenty-five Ckls. Ninety-one to Ninety-four Rigg. Otto Cannon, Elsberry, Mo. 1-3

GOLDEN WYANDOTTES exclusively. Keller Strain. Excellent layers. Eggs \$1.25 per 15; \$2.00 for 30; \$3.00 per 50. No further reduction. Lemmel Greth, Wernersville, Pa. 1-6

HIGH CLASS PARTRIDGE WYANDOTTES. Stock for sale. Eggs, \$3 and \$5 per 13. H. J. Manley, Maplewood, Malden, Mass. 1-6

300 WYANDOTTES—Buff, White and Silver, bred from prize winners. Eggs in season. Write for prices. Blue Ribbon Poultry Yards, Beaver Dam, Wis. 1-3

HIGH GRADE WHITE WYANDOTTES—From \$1 up; eggs, \$1 to \$2 per 15. E. C. Jolly, Franklin, Ill. 2-3

WHITE WYANDOTTES EXCLUSIVELY—Pure white plumage; true Wyandotte shape; standard weight. Eggs direct from winners. \$2 per 15. Circular free. Melrose Poultry Farm, Kenney, Ill. 2-3

GOLDEN WYANDOTTE stock for sale; also pedigreed Scotch Collie puppies; write me for stock or eggs. Frank Langohr, Columbia City, Ind. 2-1

EXPRESS PREPAID ON WHITE WYANDOTTE EGGS—Winner of five firsts, three seconds and six specials at the late Goshen Poultry Show. Have won over 100 prizes in the last three years in hottest kind of competition. Eggs from prize winners. \$2 per 15. \$3.75 per 30. Fair hatch guaranteed. Catalogue free. Will H. Schadt, Goshen, Ind. 2-4

WHITE WYANDOTTES—Prize winners at the great Chicago show under Judge Bassell; Duston strain; \$2 per 15, \$8 per 100. H. M. Lovett, 538 E. 44th St., Chicago, Ill. 2-3

WHITE WYANDOTTES—Fine healthy stock. Eggs, \$1.50 per 15. Stock for sale. E. D. Wright, R. 1, Salem, Ohio. 2-5

PARTRIDGE WYANDOTTES—Hens, cocks, pullets and cockerels for sale. No better stock in existence. Have commenced booking orders for eggs. Correspondence solicited. Allen Rowe, 433 Raymond St., Elgin, Ill. 2-3

SILVER LACED WYANDOTTES—None better. Nineteen years a breeder. Address C. H. Thompson, Elsberry, Mo. 2-3

BUFF WYANDOTTES—Well bred, good shape, good color; eggs from 3 pens, \$1 per 13. Edwui J. Seal, Rockford, Ill. 2-3

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WHITE WYANDOTTES—"White Quill" strain; ten birds score 962½ in show. Stock and eggs. Thomas Osborn, Fairfield, Iowa. Briggs St. 2-3

SINGLE COMB WHITE LEGHORNS exclusively. 15 eggs \$1.50, from large, vigorous, well bred stock. Dr. P. L. Kreiss & Son, Benjamin, Pa. 2-5

PARTRIDGE WYANDOTTES—Only two pens left, and they must go. First cock, second and third hens at the big Ohio State Show at Columbus, Feb., '04, and two fine pullets, for \$15. One breeding pen of young stock, \$10. A. V. Donabey, Co. Auditor, New Philadelphia, Ohio. 2-1

STAY WHITE WYANDOTTES—Standard bred; eggs guarantee 75 to 90 per cent fertile and fair treatment guaranteed; 13, \$1; 100, \$5. W. E. Shoemaker, Laceyville, Pa. 2-3

WHITE AND PARTRIDGE WYANDOTTES—Highest quality; moderate cost. Chas. E. Phillips, Box A, Irvington Sta., Indianapolis, Ind. 2-3

MY COLUMBIAN WYANDOTTES won 1st prize on pen at Boston show 1905. Eggs for sale, \$2 per setting. R. G. Richardson, Lowell, Mass., R. F. D. 2. 2-4

EIGHT PARTRIDGE WYANDOTTE COCKERELS from choice mating, very best strain, fine marked birds. W. A. Pierce, Waterville, N. Y. 2-3

PARTRIDGE WYANDOTTES—Eggs from winners Detroit and Ontario shows. Closing out stock at bargains. L. C. Knorr, Detroit, Mich. 2-3

WHITE WYANDOTTES EXCLUSIVELY. Duston blood. Eggs from prize winning matings. Two dollars for fifteen. Extra care to produce fertility. Incubator eggs a specialty. Write for particulars. Fine Cockerels for sale. Geo. S. Pomeroy, Jonesville, Mich. 2-3

WHITE WYANDOTTES. "The kind that lay"; 6 years' use of trap nests. Best eggs. \$2 for 15; \$3.50 for 30; \$5 for 45; \$10 for 100. Incubator, \$6 for 100. Circular free. W. B. Candee, Box P, Fayetteville, N. Y. 2-4

YOU CAN purchase White Wyandottes scoring 92 to 95½, by Southard, cheap. From A. S. Dean, Route No. 1, Brookfield, Mo. 2-3

COLUMBIAN WYANDOTTES—Winners at Madison Square Garden; a few good cockerels to spare. Eggs, \$3 per setting. Dr. C. J. Andrews, Canadaigua, N. Y., "The Black Minnorca Man." 2-05-12

WHITE WYANDOTTES ONLY—Three choice matings; eggs, \$1.25, 15, \$2, 30. Reference, Havana National Bank. Harry Hill, Havana, Ill. 2-4

WHITE WYANDOTTES—Good ones; cockerels, \$1 to \$3. T. F. Witten, Wittens Mills, Va. 2-1

COCKERELS—White Wyandottes and White Rock for sale; prices right. D. W. Poundstone, R. F. D. No. 3, Uniontown, Pa. 2-3

COLUMBIAN WYANDOTTES—Exclusively; eggs, \$1.50 per 13; \$3 per 30. Satisfaction guaranteed. Lewis O. Mayer, Route 2, Millersville, Pa. 2-2

AT WYANDOTTE DEPOT you get eggs that will hatch strong, healthy chicks from White, Buff and Black Wyandottes, carefully mated for practical and exhibition purposes. I guarantee satisfactory hatch or duplicate your order free. I solicit your patronage and assure you I will do all I can to please you. Quality not quantity our motto. Eggs, \$1.25 per 15; \$2 per 30. John Clevisch, Carlisle, Pa. 2-3

SYLVAN WHITE WYANDOTTES—Snow white beauties. A few cockerels bred from stock scoring 93 to 96, at \$1.25 to \$2.50. Eggs \$1. A. Nape, Mt. Horeb, Wis. 2-3

EGGS FOR HATCHING—White Wyandottes, Buff Rocks, Buff Leghorns. Best strains in America. Write for prices. E. S. Hassler, Wernersville, Pa. 1-5

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SINGLE COMB STAY WHITE LEGHORNS. America's best heavy-laying and exhibition strains. Choice hens, cockerels and eggs at reasonable prices. Write. P. R. Pfouts, Bucyrus, Ohio. 12-3

MORGAN FARM Buff Leghorns are real Leghorns. Our catalogue is a treat and it's yours for the asking. H. L. Haef, Mgr. Morgan Farm, Beloit, Wis. 12-3

1000 SINGLE COMB WHITE AND BROWN LEGHORNS—Bred in line 26 years for great layers and exhibition; Browns scoring to 95½; Whites to 96. Circular. J. M. Yoder, Millersburg, Ohio. 2-3

ROSE COMB WHITE LEGHORNS—Pure stock; 15 eggs, \$1. Ella L. Waltman, Route 44, New Albany, Pa. 2-3

S. C. W. LEGHORN EGGS—1st, 2nd, 3rd score 96½, 95½, 95, Erie, 1904. Write I. C. Gates, Sharon, Pa. 2-3

ROSE COMB BUFF LEGHORNS—Winners New York, Boston and Pan; 25 for sale. Eggs, Alfred Thomas, Rockville, Conn. 2-3

SINGLE COMB WHITE LEGHORNS—Rhode Island Reds, Barred Plymouth Rock stock and eggs for sale. F. A. Goddard, Defiance, O. 2-3

S. C. WHITE LEGHORNS—We have the finest flock in the West. Large size, snow white, typical shape. Send for circular. Eggs, \$1 per 15, \$5 per 100. North Lake Poultry Farm, Lake Mills, Wis. 2-4

SINGLE COMB BROWN LEGHORNS—My yards are mated to cockerels from Grove Hill and are bred for heavy laying, as well as for exhibition; 15 eggs, 75c; 50, \$2; 100, \$3.50. Jesse Forney, Birds Run, Ohio. 2-4

ROSE COMB BUFF LEGHORNS—Great layers; 15 eggs, \$1. Leonard A. Waltman, Route 44, New Albany, Pa. 2-3

50 S. C. B. LEGHORN cockerels; May hatch from eggs bought of Bright & Weimer. Write your wants; I can please. Eph Bolin, Hammond, Ill. 2-1

I PURCHASED of Wyckoff, of Ithaca, some single comb White Leghorns. Will sell eggs, \$1.25 per 15 or \$2 per 30. Also single comb White Orpingtons, \$1.50 per 15. Grace Cummings, Maryland, N. Y. 2-3

ROSE COMB White & Rose Comb Brown Leghorns, 300 birds for sale; eggs for season. Jno. Cook, Route 7, Bluffton, Ind. 2-6

LEGHORNS—White, Brown and Buff; eggs, \$1 per 15, \$2 per 45. Large paper free. Albert Bagwell, R. F. D. No. 4, Paducah, Ky. 2-3

SINGLE COMB WHITE LEGHORNS—Exhibition and breeding stock for sale. Eggs, \$1.50 per 13. C. C. Krieger, Elgin, Ill. 2-6

AMERICAN best Single Comb Buff Leghorns. Arnolds and Lamons strains, eggs \$1 per setting. Buff Leghorn Poultry Yards, Annville, Pa. 2-3

S. C. BROWN LEGHORNS exclusively. Stock for sale; eggs in season. Dave Glatfield, Peoria, Ill., Rural 34. 2-3

SINGLE COMB WHITE LEGHORNS—Chicago and Detroit winners. Eggs, \$2 per 15. Geo. J. Horn, 17 Sherwood Ave., Detroit, Mich. 2-3

ROSE COMB WHITE LEGHORNS—New York and Chicago winners. Circular free. W. W. Wood and Co., Angola, Indiana. 2-3

ALFRED J. ANDERSON, breeder of S. C. B. Leghorns. Eggs for sale in season, 50c per 13; \$3 per 100. Rockford, Ill., R. F. D. 3. 2-1

EXCLUSIVE and largest breeder of thoroughbred Single Comb White Leghorns in the state. Large fine early hatched Cockerels, Wyckoff & Knapp Bros.' strain at \$1 each.

Eggs from pens scoring over 90, \$1.50 for 15; \$3 for 30; \$5 for 100. Satisfaction guaranteed. P. A. Doughtry, Bonaparte, Iowa. 2-1

LOWE'S LAYING LEGHORNS—Famous "Hansel" Strain. Rose Comb Brown. First in the Australian Egg Laying Contest.

FORTY FINE COCKERELS at \$3. Two in one shipment. \$5. Eggs for Hatching in Season. G. F. Lowe, Allegan, Mich. 2-1

SINGLE COMB BUFF LEGHORNS Standard strain. Breeding pen contains solid colored birds. Two pullets scoring 95½ each, cock bird 94½ (bred to lay), eggs \$2 for 13. Clarence C. Woodcox, St. Joe, Sta., Ind. 2-1f

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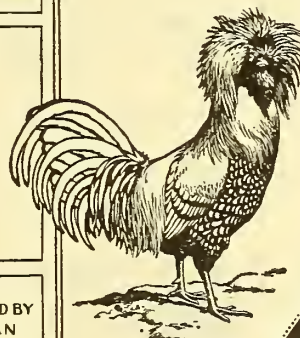
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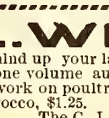
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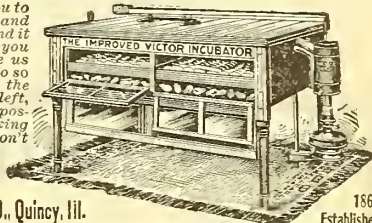
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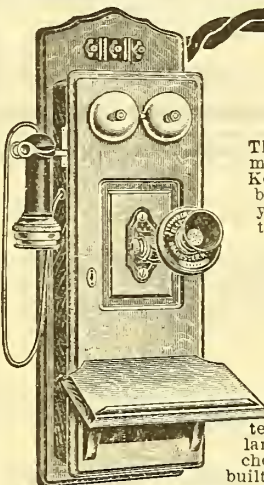
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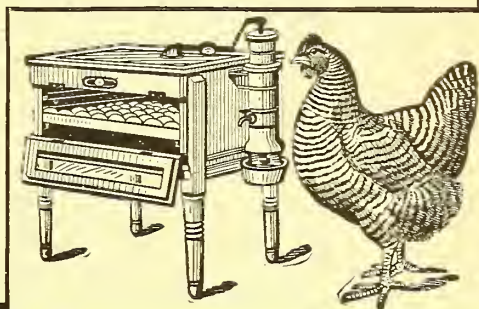
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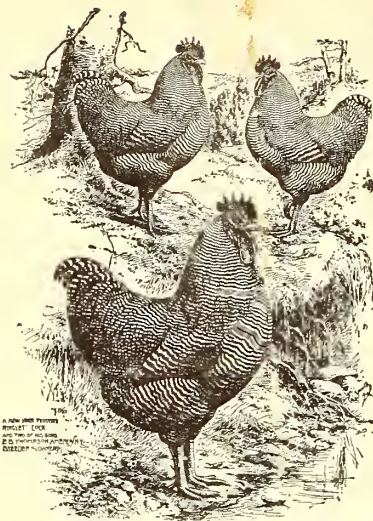
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At the Imperial Show of the Nation, Madison Square Garden, New York, January, 1903.

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Stamped their superiority in the most decisive manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen and pullet. This is the third time the "Ringlets" have won this grandest of all trophies, giving them now absolute and final ownership. In this "COLOSSAL CONFLICT" the "Ringlets" lifted the great National Sweepstakes Cup presented by the American Plymouth Rock Club for best cock, cockerel, hen and pullet. My Barred Rocks won double the number of silver cups and special prizes of any competitor, including the sweepstakes special in gold for best Plymouth Rock on exhibition, male or female any variety.

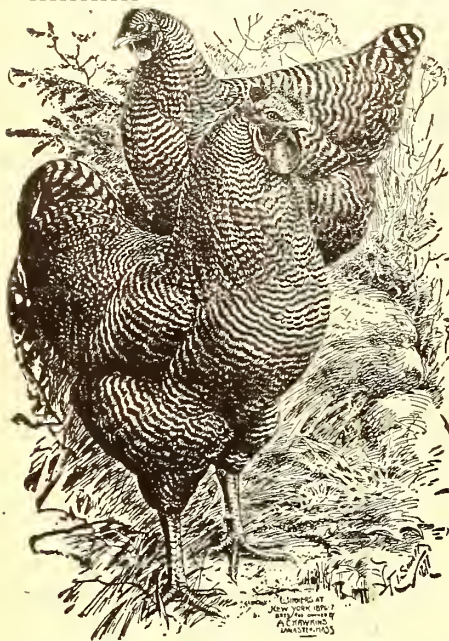
The "RINGLET" World's Record of four years in succession at New York is a page of history. The "RINGLET" World's Record of first on exhibition pen at this great show, three years in succession, is the undisputed champion.

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Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1900 are the best I ever owned.

At the Great National Show, WASHINGTON, D.C., in hot competition with over 300 birds of these varieties, the best that could be found regardless of price, I won 45 Regular and Special Prizes on 39 Entries, including First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show (Bantams excluded), and this on my First Prize Barred P. Rock Cockerel. My winning White Wyandotte cock was pronounced by the judges to be the best they had ever seen. I won twice as many first prizes as all other exhibitors of these varieties. My BUFF ROCKS, at BOSTON, 1899, in hot competition, won more first and special prizes than all others. My customers are winning all over the country. If you want the BEST, write me. Hundreds of Choice Exhibition and Breeding Birds at honest prices. Catalogue of America's finest Plymouth Rocks and Wyandottes free.

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March, 1905.

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Cornish Indians and W. Wyandottes

Our Late Show Record on Cornish Indians.

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Five pens of high scoring birds.

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Breeding stock nearly all sold. Only a few good birds left. Eggs in season.

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Well matured, good colored, heavily feathered cockerels, \$4 to \$10 each, pullets \$2 to \$6. EGGS for hatching from five grand yards \$3 per 15.

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Then we can help you. Our new catalogue of Incubator Plans and Fixtures contains a complete series of drawings and half-tone engravings, showing each step in the construction of an "up-to-date" Hot Water Incubator. The illustrations are accompanied by directions covering every detail of construction, from nailing together the first two boards to adjusting the regulator on the finished machine; and these directions are so plain and simple that any one who can handle a hammer, saw and plane, can make his own incubator.

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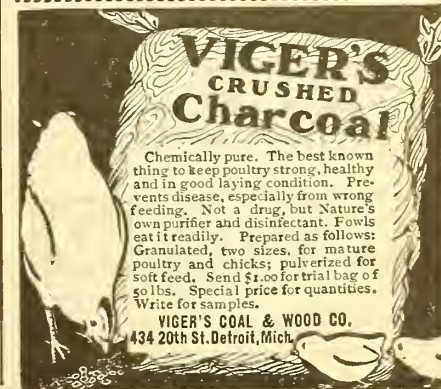
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Winners at the World's Fair and Chicago shows. 24-page catalogue in colors for stamp. Buffs, Whites, Blacks, Diamond Jubilees and Spangles. Rose and Single Combs. Stock for sale. Eggs for hatching. Satisfaction guaranteed. Now is writing time. Chestnut Grove Orpington Farm, F. C. Bailey, Reading, Mich. R.R.19



Blue Barred P. Rocks

1st ckl. 93, 2d pullet 92½, 3d pullet 92¼, Dec. 19-23, '04, at Humeston show, W. S. Russell, Judge. 1st ckl. 93, 1st pullet 94½, 2d pullet 93½, 3d pullet 93, 1st pen 186¼, January 9-14, 1905, at Webster City show, L. K. Felch, Judge. A fine line of dark and light bred ckls. for sale. Eggs from three grand matings, \$3 per 15, \$5 per 30.

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My Ohio Strain Leghorns never fail to win. I won at Ohio State Show 2d cock, 2d cockerel, 3d pullet. EGGS \$1, \$1.50 and \$2 per 15. Incubator eggs \$4 per 100. Send for my free circular and price list, describing matings and gives show record.

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Buff, Black and Partridge COCHINS

Eggs in season \$2 and \$3 per 15. Prize winners for twenty-two years.

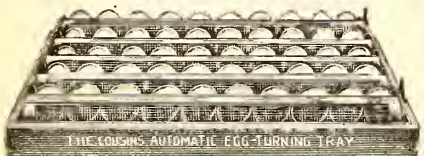
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Dear Sir:—At the time I received your remedy, Death to Roup, I had three fowls whose mouths were full of cankers. I dipped their heads in Death to Roup for three days, and at the end of that time all were well. I think your remedy fine. Yours truly,
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A 50c package makes 30 gallons of cure.

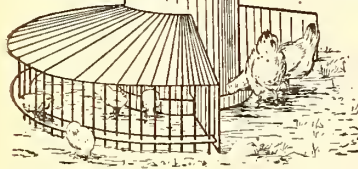
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Something new—Apartments for both feed and water inside large can, adjustable protector to exclude any size fowl desired. Will feed 125 chicks a week with one filling. Water always cool and open to large fowls. Agents wanted. Special terms.

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Makes the eggs come, starts pullets laying, makes males more vigorous and eggs more fertile. Octuple strength. Most highly concentrated poultry powder in the world, therefore cheapest. Teaspoonful in mash to forty hens. Price 25c., by mail 31c.

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Roupino is the best Roup and Canker cure extant. Put in drinking water. No Cure, No Pay. Price 50c. postpaid. HEN-TONE is a scientific substitute for Douglas Mixture. Keeps all feathered stock in health. One box makes hundreds of gallons of the best poultry tonic. Price 25c., by mail 30c.

Write for circulars of these three remedies.

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SIEMS' WAY Makes Poultry Pay

THE HEN HERSELF

taught me how to hatch chicks. And when I learned from her, I didn't discard her for "something better." There isn't anything better. I used her. She's a part of my

Natural Hen Incubator

Write me for my plan. It's Nature's own—hen instinct and hen work all through. It saves the big incubator prices.

200 Egg Hatcher Costs But \$3.00. Agents Wanted.

Plan is a quick seller. Catalogue with full particulars and 25 cent lice formula free. Write for them.

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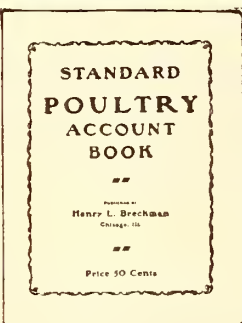
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The fact that beyond the Rockies, the western third of the U. S., there are more

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used than all other makes combined shows how they are regarded at home. The people there know them by their works, and they have all climates in the world, high altitude, sea levels, fogs, extremes of heat and cold, dry hot winds, rainy seasons, quick changes. It's the one machine that in all atmospheres establishes hatching conditions and brings everywhere the best results. "Petaluma" Incubators and Brooders are the oldest and most reliable machines on the market to-day. Self regulating and ventilating, supplying moisture where needed. Copper and redwood, the materials. Freight paid all over U. S. Write for free catalogue. For capital poultry reading "Send for the Story of Solomon Drew who had a row with an old hen or two."

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The STANDARD POULTRY ACCOUNT BOOK is the best and most practical account book ever devised for the poultry man. This book has been arranged with a view of obtaining thorough satisfaction with the least possible labor. It is just exactly what poultrymen want.

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World's Fair Prize Winners. Stock for sale in pens, trios, pairs and singles. Eggs from prize winning pen at World's Fair, St. Louis, \$5 per 13, other pens \$3 per 13. Orders booked and filled in rotation.

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2 and 4 cocks, 1 and 3 cockerels, 1 and 3 hens, 1 and 3 pullets, 1 pen—large classes. The best birds shown at any show. S. C. Brown Leghorns—1st cock, New York. There is no finer colored strain in the world. Wittman pullet strain. White Wyandottes (Dustin). Barred Rocks (Bradley). Buff Rocks. Solid buff males, winners of 5 firsts. All my stock of the best in the world. S. C. and R. C. W. Leghorns, 1st R. W. ck., 1st hen, New York. P. Ducks up to 9 1/4 lbs for young ones. Eggs, \$2 per 15; \$5 per 45. Special pens. See catalogue. W. W. KULP, Box 70, Pottstown, Pa.



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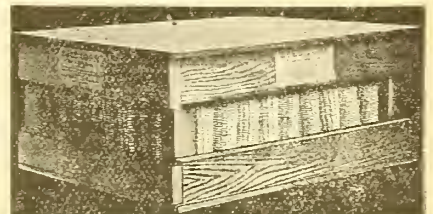
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THE EAR SEED CORN MAN

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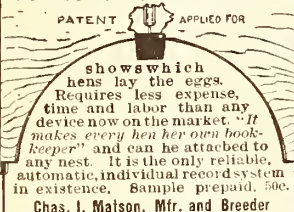
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I have several for sale. Any one wanting some choice birds will do well to write me for prices either in young stock or last year's breeders. Address

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 EVERY HEN HER OWN BOOKKEEPER
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shows which hens lay the eggs. Requires less expense, time and labor than any device now on the market. "It makes every hen her own bookkeeper" and can be attached to any nest. It is the only reliable, automatic, individual record system in existence. Sample prepaid, 50c.
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a semi-monthly paper—an authority on bee-raising. It answers subscribers' questions. It tells how to protect bees from enemies. It warns you against mistakes and explains all the "ins and outs" of the business. Write your name and address on a postal card. We'll send you a free copy of *Gleanings* (6 months' trial 25c) and a free booklet that you'll read through as soon as you get it. It's mighty interesting. Write now. Address

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The man who perfected the Racine Incubator is the oldest man in the business. He has spent 23 years on nothing but incubators. Since 1881 he has been constantly testing ideas of his own and others. He has conducted a hatchery, and has made hundreds of tests with different incubators in actual use there.

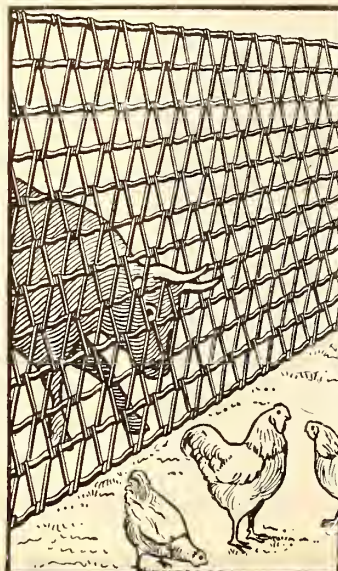
In this way he has learned more than any other man knows about incubators; and he has now put all the facts in a bright readable, interesting book. It tells the secret of success in a fascinating, convincing way. To the man who seeks an incubator, it is by far the best book of the year.

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STRONGEST AND BEST FENCE MADE.

It is made so good that all requirements of the farm are fully met. So closely woven the small pig cannot "wriggle" through. So strong the Bull cannot "faze" it. So heavily galvanized the elements cannot rust or corrode it. So durable that it is the last to yield to the ravages of Father Time. Sold on such liberal terms that a

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Is given each customer that he may be sure he is satisfied and his money is returned to him if he is not.

Buy Direct. It saves the profit of the middleman. Our Guarantee is all that any manufacturer can give, and infinitely more than the dealer can grant. When you deal with us you **get your money back** if you are not pleased, besides it means a great saving because we sell to you at

WHOLESALE PRICES AND PREPAY THE FREIGHT.

We use nothing but **High Carbon Spring Steel Wire**, and make it ourselves that we may be sure it is good. We coil it that it may provide for **Contraction and Expansion**. We **Heavily Galvanize** it with **Commercially Pure Spelter**, to avoid rust and corrosion in all climates.

Our long experience has made us masters of fence construction and we are able to tell why we make the **strongest and best fence** on the market. We have a 40-page Catalog which fully describes and illustrates every style of our **High Carbon Coiled Spring Farm Fence**, which we will gladly mail to you upon request. Write for it. Address,

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won more premiums at World's Fair, St. Louis, Mo., than all the other White Langshan breeders combined. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight. Have three choice cock birds for sale and a few fine cockerels that I will give you a bargain in if ordered at once.

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If you expect to succeed in the poultry business you must have good incubators and brooders. Why be content with anything less than **the best?**

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Send orders where you get eggs fresh and stock true to name; where your interests will be personally attended to by men long-experienced in breeding winning strains and good layers. The

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has built its reputation on the high quality of its eggs and breeding birds. Whatever breed you need—send to us. You can rely on us. Everything true to label. All living stock guaranteed healthy, free from vermin. Send for our big, free illustrated catalog.

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Your profits will be about double if you raise all your chicks. The first few weeks is the danger time. Little chicks die by hundreds. It's bowel trouble or "sleepy disease," gapes or something else. Half the poultry raisers lose over 50 per cent of the chicks they hatch. But the other half don't. Why the difference? Simply because the latter know the new, weak, unused stomachs of little chicks require a special food. Ninety per cent of all chick deaths are directly traceable to ill adapted food. Well posted poultry raisers know this. This accounts for the small death losses and uniform success of users of

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It is an adapted food, scientifically prepared to meet chick requirements. Chicks digest and assimilate it. It is made after Nature's plan, and so prevents **chick diseases**. Our Chick Feed contains the seeds, grains and meats which Nature supplies. They are not thrown together, but are correctly proportioned and balanced. Chicks fed on it begin to grow from the first. By its use they develop quickly and have a good, strong framework. They mature early and begin laying much sooner than those fed in the usual manner. Without exception our Chick Feed is the highest grade, consequently the cheapest on the market.

SAVE YOUR CHICKS.

Stop the frightful losses by feeding right. Use Darling's Chick Feed. You can't afford to be without it. Order a sack and note results. They will surprise you. Price \$2.50 per 100 lb. bag, F. O. B. Chicago. Terms, cash with order.

Remember, in addition to the above we manufacture Beef Meal, Granulated Bone, Beef Scraps, etc. Our location, at the great Chicago Stock Yards, gives us a decided advantage over other poultry food makers. We are right at the center of supply. Every necessary ingredient is at hand—all grains and meat products. Quality is made the key note of all our goods.

Our catalogue shows a full line of poultry foods and supplies. Send for it, and also for our special poultryman's booklet, "Fill the Egg Basket." Both are mailed upon request.

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Beef Scraps \$2.25, Granulated Bone \$2.00, Raw Bone Meal \$2.00, Concentrated Meal \$1.80, Scratching Food \$2.00, Oyster Shells 60c, Mica Crystal Grit 65c, Crockery Grit 60c, Beef Meal \$1.80, per 100 lb. bag, respectively, F. O. B. Chicago.



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Madison Square Garden, Jan., 1905, cock 1st, pullet 3d. Winners of 30 firsts at Chicago, Indianapolis, Cleveland, Ft. Wayne.

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Teaching how to be successful.

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This equips you for a successful hog business.

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which is handsomely illustrated, and contains hundreds of specific opportunities for success, it matters not what your occupation.

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WE CAN FURNISH CHOICE BREEDERS IN—

White and Barred Rocks

Partridge and White Wyandottes, Mammoth White Holland Turkeys and Imperial Pekin Ducks. Our birds are winners at Chicago, Cleveland, Indianapolis and Illinois State Shows. We have three yearling and two young toms at \$5 each. No females. Eggs \$2.50 per 15, \$5 per 40. Turkey eggs \$5 per 12. Write your wants. We guarantee satisfaction or return money.

STRYKER BROS.

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How to Make Money in the poultry business. How to have laying hens when eggs are dear. How to get broilers on the market while prices are up. How to raise the heaviest fowls. Hundreds of hints and helps that will make it valuable in any poultryman's library. A well-known authority says the article on the development of the chick in the shell is the finest treatise on the subject ever written. The practical experiments our experts describe show the lines on which the most successful work can be done.

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The Story of Victor Incubators from the rough lumber to the finished machine; all the points in design, construction and operation which make it the perfected machine. It gives you the reasons why it is best for you to buy a Victor. We tell you just what you would learn if you came to our factory and saw us build the machine—just what you would be told by those who are using our machines. We have not made a single statement in the book which is not backed up by the actual facts. We would not dare to do otherwise, because with every machine we sell goes our bond to take it back and refund the money if it is not in every way up to our description.

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GEORGE ERTEL CO., Quincy, Ill.

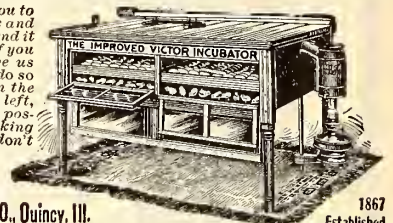
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We want you to have the book and will gladly send it to you free if you will only give us a chance to do so by sending in the coupon to the left, or send us a postal card asking for it if you don't want to cut the paper.



GEO. ERTEL CO., Quincy, Ill.

1867
Established

Best Offer and Best Fence

We are making to farmers the best and most liberal offer ever made on high grade fence. We will state our offer here in plain words and leave you to be the judge.

First—The Price we make the farmer on Advance Fence is the lowest and most satisfactory, because it includes freight to your station. There is no guess work or disappointment about the price, no large freight bill to pay, no extras. We quote you a laid down price at your station—and that's the price. We have saved others as much as 15 cents a rod. Get our price and figure out how much we can save you.

Second—We allow 30 Days' REE TRIAL on Advance Fence. Put the fence up when it arrives, and give it any test you wish. Climb over it. Let the stock run against it. Do this thirty days. Then if it disappoints you in any way, return it, and we will refund your money and pay freight back.

Third—We Ship Direct From Factory to You. No jobber or dealer to make a profit out of you. We were the very first fence makers to sell direct to the user. This economical method of marketing enables us to save our customers thousands of dollars.

Fourth—We Offer You 23 Styles of Fence to choose from. This enables you to make a wise selection. The largest dealer carries no such line of sizes and styles. Don't buy what you don't want just because a dealer wants to sell it to you. We fit you out perfectly, for hogs, poultry, stock, garden or field.



Advance Fence

is scientifically constructed of best galvanized steel wire. The top and bottom selvage are double strength. The stay wire is continuous, being twisted with the selvage from one stay to the next and wrapped twice around each line wire as it passes across the fence. The slight crimp at the intersection of the stay with the strand wire prevents the stay from slipping, and also provides for expansion and contraction. There are no loose ends, as in fences with cut stay wires. Advance Fence is the superior fence, without regard to price. You couldn't buy a better made fence though you paid more money.

Get our free Fence Book and study fence construction. You will be a better judge of fence after reading it.

Advance Fence Co., 1346 Old St., Peoria, Ill.

**Wilber's
Gem Strain
None Better**

SINGLE COMB WHITE LEGHORNS

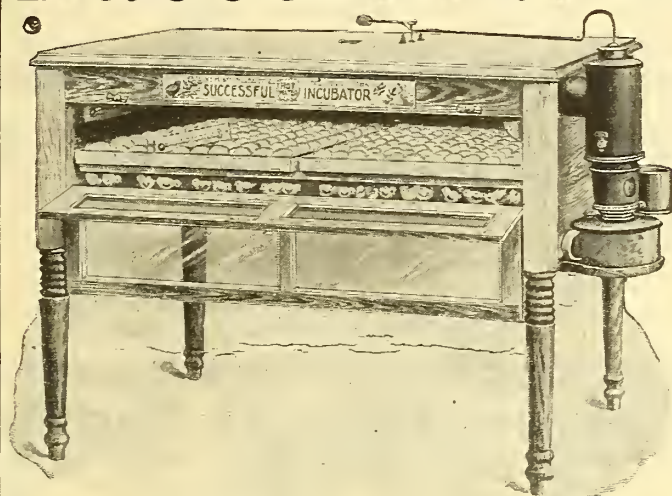
WORLD'S BEST. 33 firsts, 22 seconds, 9 thirds, 4 fourths, premiums, 109 specials and 8 cups to their credit past three years in largest Southern shows. Limited number nice breeding cockerels and pullets at \$2, \$3 and \$5. Large illustrated annual egg folder for asking or write your wants.
State Vice-Pres. Nat. S. C. W. Leghorn Club.
WILBER BROS.,
Box B. Petros, Tenn., U. S. A.



If You're a Wise One

You'll send your orders for **POULTRY PRINTING** direct to the **ORIGINAL POULTRY PRINTING SPECIALIST.** Years of experience in this one class of work insures absolute satisfaction with every order. Letter Heads, Envelopes, Cards, Circulars, etc., correctly printed at nominal prices, transportation prepaid. Unequaled line of cuts. Samples, etc., mailed free.
S. E. Richards Sta. E Monticello, Wis.

Successful Incubators



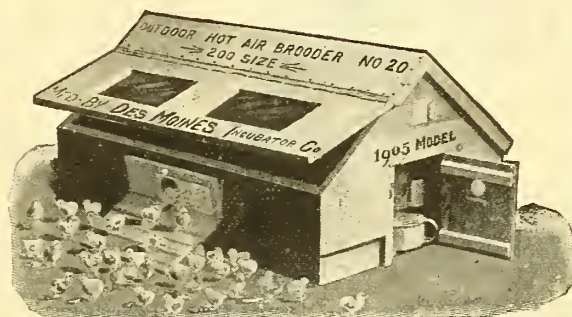
It is your privilege and right to insist on having the best incubator made. There is a vast difference in the working of incubators and the results they give you. The best means the incubator that gives you every time the most and the strongest, most vigorous chicks at least expense and with least trouble and attention. That's the record of **Successful Incubators.** I ask you to read my personal guarantee at the close of this ad. It is because I know the automatic character, the working genius and actual results produced by Successful Incubators that I, as president of the Des Moines Incubator Co., am able to put both my fortune and reputation behind them.

**Successful make any man prosper
in the poultry business.**

**They are the Leading Hatchers
of the World.**

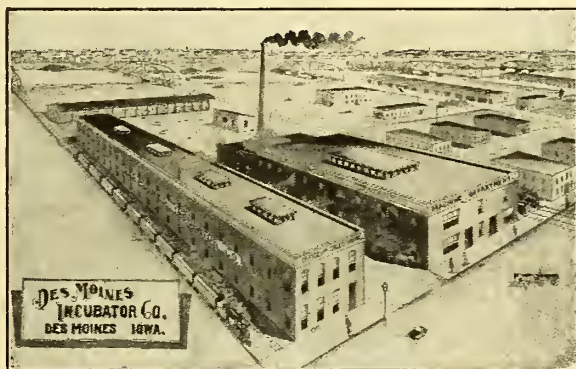
Successful Brooders

in heat regulation, air supply, method of ventilating and in light, come as near to perfection as skill and a thorough knowledge of chick raising can make them. Don't underestimate brooder importance. Our brooders are fit companions for our incubators. The way we have worked out the problem makes you sure of raising more chicks, winter and summer, than by any other means. No waste heat, no strangling of chicks with gases and fumes, little chick homes only second in comfort to the mother's wings and far more secure. A full line, many sizes, for indoor and out door use.



Our Factory and Facilities.

It takes the largest incubator factory in the world to supply the greatest incubator demand in the world. We have that factory. The illustration is not a fancy picture; every building shown is in constant use and devoted solely to the one purpose of incubator and brooder manufacture. Modern, specially planned equipment throughout. Skilled mechanics, selected, seasoned materials, patented appliances and improved machinery, enable us to turn out highest grade incubators and brooders for as low or nearly as low a price as you are asked to pay for the "Cheap John" machines found on the market.



Poultry and Poultry Supplies

Don't forget that we are large breeders of standard poultry. We can make you exceptionally low prices on high bred fowls and eggs. We carry a full line of poultry supplies, foods and appliances. It is money saved and money made for you to get acquainted with our 1905 offers. Write us today. Incubator, Poultry and Poultry Supply Catalogue FREE. With poultry paper one year 10 cents.

Des Moines Incubator Co., Department 1, Des Moines, Iowa.

My Guarantee

I, personally, as president of the Des Moines Incubator Co., guarantee our incubators to be built of first class material, in a thoroughly workman-like manner; to be entirely free from defects, to be automatic in operation and to hatch as large a percentage of fertile eggs as any other machine in the world. If any customer is not perfectly satisfied, I earnestly request that he write me, personally, that I may rectify any mistakes.

J. S. GILCREST,
President and Manager,
Des Moines Incubator Co.



J. S. GILCREST, Pres. and Genl. Mgr.



..Riverside Poultry Yards..

C. B. HUFF, Box C., Delaware, N. J.

16 years' experience breeding prize winning poultry. Eggs for hatching from my famous Single and Rose Comb R. I. Reds, B. P. Rocks, White Wyandottes, S. C. B. Minorcas, S. C. W. and Brown and R. C. B. Leghorns, \$1 per 15, \$5 per 100. Prize Light Brahmas \$1.50 per 15. Catalogue free. Can fill large orders. Correspondence cheerfully answered. Write your wants.

1882 EGGS \$3 PER 15 1905

Light Brahmas

Glitt Edged strain. Six grand yards. Males score 94½, 94, 94, 93½, 93½, 95. Females score 92 to 96. Will not sit of eggs from such birds as these do you good? Circular free.

Henry T. Reed, Camp Point, Ill.

500 Birds for Sale

Eggs in season. Our stock has been shown against all comers and always win. We never had a better bunch than now. Our prices are low. Write for Brahmas, Langshans, Buff Cochins, Rhode Island Reds, S. C. White, Buff and Brown Leghorns, B. B. Red Games, B. Minorcas and Pekin Ducks.

B. S. BECKINGTON,

Box B, Garden Prairie, Ill.

—MY ENTIRE FLOCK OF—

Black Langshans

For sale without reserve, containing all my Chicago, Indianapolis and Detroit prize winners and a fine lot of young stock. Will breed Silver Pencilled Wyandottes exclusively.

E. M. QUAY, Box 92, Silver Lake, Ind.

FREE LICE POWDER

Every poultry-keeper needs Wernich's Lice Powder and Egg Maker. We send you a generous free sample of each if you will send 6 cents in stamps to cover cost of mailing. Besides we send our handsome catalog.

If you think you do not receive twice the value for the 6 cents—say so and we'll send you 6 cents back. Write now.

Wernich Seed Co.
Box 10, Milwaukee, Wis.

EGG MAKER FREE

Hatch a Batch

FREE

Don't buy an incubator till you have hatched chicks in the Badger. It will please you so much you'll not think of buying another. It's so easy to run one—only five minutes attention morning and evening. Then it's easy to buy a

Badger Incubator



You use the machine free for 30 days. If you like it, you pay for it; if not, back it comes to us. Write us for our free catalog that explains it all.

Pure Bred Poultry for breeding and exhibition in all standard breeds and varieties always for sale. They're money makers. Eggs for hatching. Write for prices and free catalog.



Badger Incubator Co.

Box 34

Delavan, Wisconsin

...DOANE'S MINORCAS..

S. C. BLACKS ONLY

My Minorcas have a record of winning six years in succession at Madison Square Garden.

140 Choice Birds for Sale

Pens mated to produce best results. All stock is sold under a guarantee to please. Stock is all farm raised and very vigorous and of the true Minorca type. Eggs, \$3 per 13; \$5 per 26; \$18 per 100. We use pedigree trap nests. Send for catalogue.

J. H. DOANE,

Box D, Gouverneur, N. Y.

BURR INCUBATORS



are supplied with perfect regulators which keep the temperature exactly right all the time. No night watching; all latest improvement; California redwood case; solid copper tank; 30 days FREE TRIAL, if not what you want send it back. You know exactly what Burr Incubators and Brooders will cost because we quote you a price, freight prepaid, to your railroad station. You don't have to guess on the cost nor the results. Write for FREE Catalogue.

BURR INCUBATOR CO., Omaha, Nebr.



From Eggs to Eagles

This is easy when you know how, and you don't know how until you operate a

Self-regulating BUCKEYE Incubator

Why? Because, with others you have too much invested in machinery. \$4.50 to \$6.50 should buy a 50-Egg size, \$6.50 to \$12.00 a 100-Egg size, and \$13.75 to \$20.00 a 200-Egg size. The above are our prices for Incubators. As substantially and durably built, and of as good material as any Incubators on earth. They are self-regulating, automatic moisture and ventilation, hot water style, and all are sold on

30 DAYS' TRIAL

Or write these, who among others hatch every egg put in our incubators:

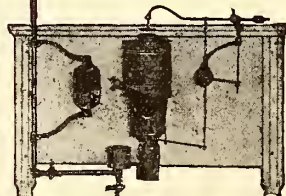
Mrs. Erie Brack,
Havensville, Kan.,
Mrs. W. T. Graham, R. R. No. 1,
New Hartford, Ia.
G. F. Mankin, L. Box 54, Luther, Mich.
Bert S. Robinson, R. 3, Urbana, O.
Paul Clyde, Hooper Station, O.
Geo. Luce, Edington Lane, Wheeling, W. Va.
M. C. Matthews, Upola, Kan.
Paul Wolf, Menno, Wis.
M. E. Welisch, Cary Station, Ills.

Brooders must not be carelessly selected if you would make money raising poultry. Not the largest size for the least money is the cheapest, but the one that raises the most chicks—Ours are central heat. Loss from crowding impossible. Prices, \$3.00 up—think of a 50-capacity incubator and Brooder complete and on 30 Days' Trial for \$7.50

BUCKEYE INCUBATOR CO., Box 2, Springfield, O.

Will Your Incubator Do This?

Will your incubator hatch a setting of eggs with one-half the oil you now use? Will your wick burn 21 days without trimming? Will your regulator control the flame, raise or lower it as required? Will your burner burn without charring wick, overheating, causing liability to fire? Will your machine save half the time, half the labor, half the cost of operation? Put on this outfit and it will do even more. It will make your old machine do better than it ever could do, besides save you many dollars and much annoyance. Its combined damper and flame regulation alone saves half the oil. Its burner saves danger from fire—can't overheat. Its wick saves trimming—never needs it. Its regulator controls both flame and damper (see cut); this avoids too high or too low a flame.



saves seventy-five per cent. of gas.

ACME AUTOMATIC LAMP AND COMPOUND REGULATOR

make hatching or rearing both pleasurable and profitable Sold separately or together. Fit any machine; any one can attach them. Send for catalog giving detailed description and our full line of fixtures, including illustrated plans for building the famous Peerless Incubators and Brooders. Nearly 100 photographic views showing step by step every stage of incubator construction. It's free. Our new gas regulating burner for incubators

H. M. SHEER CO., BOX 104, QUINCY, ILL.

Something to Think About Before You Buy an Incubator



It is a fact that a large percentage of persons who buy incubators are **not** satisfied with their purchase.

Because a large percentage of the incubators sold do **not** do satisfactory work. They do **not** work satisfactorily because they are built purely on theoretical lines—nine times out of ten the manufacturer who makes them hardly knows a hen from a goose. How can you expect a purely theoretical workman to build a practical machine?

Now, I do not claim to be the only man in the business who knows anything about incubation, but I do claim that in the past 20 years I have experimented with more machines and hatched more chicks on my **Millhook Poultry Farm** than any other manufacturer, and so have gained a wide range of hatching experience. As a result of my experience I found this: **I had to build an incubator myself, after my own plans, in order to get one that would give satisfactory results.** I have that sort of a machine in my line of

IDEAL

Incubators and Brooders.

These are now in the hands of thousands of poultry raisers the world over, and are giving better satisfaction, producing better results, costing less money to operate and causing less trouble than any other incubator or brooder ever built. The simple explanation is that

(1)—They are built on a better plan. (2)—They are more carefully built and more rigidly inspected. (3)—They are **built by a man who knows** from 20 years experience on the largest pure-bred poultry farm in the world, exactly what is needed to produce vigorous, healthy chicks at the least expense.

I do not want to criticise the methods of other manufacturers, nor to belittle their machines, but I do say that every reader of the **American Poultry Journal** will find it to his advantage to send to-day for our great book, "Poultry for Profit," and to investigate

OUR FREE TRIAL OFFER.

We will ship you an Ideal Incubator or Brooder, any size, on 30 days free trial. If you do not find it entirely satisfactory in every way, return it at our expense.

We Pay All Freight Charges

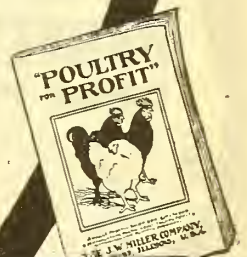
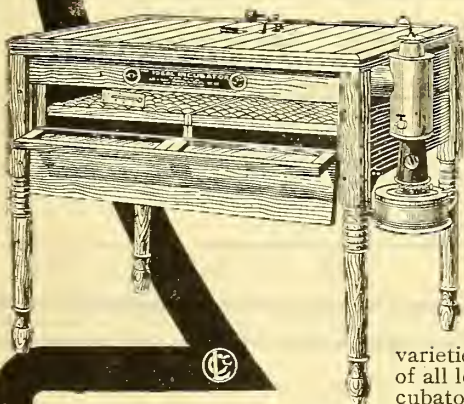
If we did not believe the Ideal to be the most practical and most satisfactory incubator ever built, we could not make this offer.

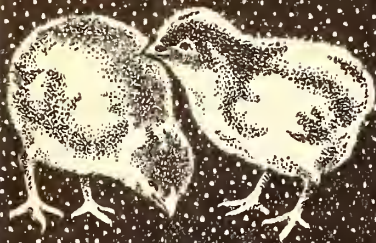
Send For This Free Book.

"Poultry for Profit," 112 pages, handsomely illustrated; 24 full page pictures of leading varieties of fowls, drawn from life; full description of all leading breeds; 18 years experience in use of incubators; selection of breeding stock; the best incubator to buy; how to feed fowls of all ages; cures for poultry diseases; poultry

questions answered, together with descriptions of the **Millhook Poultry Farm** and of the best and most profitable poultry supplies, appliances, remedies and aids to money-making. The book cost us \$5,000; it's free to you. As a sensible poultry raiser who wants to make the most money possible from your fowls can you afford to neglect to investigate what we offer? Send today for our proposition.

J. W. Miller Company, Box 56, Freeport, Ill.





Little Chicks

just out of the shell need especial care. Their delicate little organs cannot stand the sorts of foods that older fowls thrive on.

HARVEY'S CHICK FOOD

is an ideal food for chicks just hatched. Contains in proper proportion all the elements a chick food should. Feed it dry, it regulates the bowels, promotes health and produces strong, vigorous birds. Starts chicks to growing from the first feed and keeps them at it.

Ground Raw Bone is indispensable to all kinds of young stock—especially young turkeys—it prevents leg weakness.

HARVEY'S GROUND RAW BONE

gives young chicks and turkeys a good start in life—they grow and develop strength and vigor at a lively rate when raw bone is freely and intelligently fed. If you have never tried it, it will pay you to give it a thorough test.

Little chicks hatched in incubators are subject to many ills the first days of their lives. The loss from weakness or "breaking down" is enormous. Feed nothing but

HARVEY'S CHICK FOOD

until the chicks are old enough to be put upon the regular ration fed to the older fowls. They will develop rapidly, grow robust and healthy, the loss will be small and your incubators will pay as never before. Try it this season and see. Next season you'll feed lots of it and save all your chicks

Our complete catalog of pigeon and poultry supplies ought to be in the hands of every poultry-raiser—it's full of valuable help. Free on application. Write for it today.

Harvey Seed Company

30 Ellicott St.,

Buffalo

New York

MORGAN'S PORTABLE LAYING HOUSE

Hens lay best when they have a clean, dry, well ventilated house, with nests sheltered from light and the flock. Our special laying house is all this and more too. A stamp, with request, will bring our catalogue with styles, sizes, prices and special inducements for the season of 1905.

SANITARY HOUSE CO., Box 1, Lemont, Ill.



AT GREAT ST. LOUIS WORLD'S FAIR OUR

...Partridge Wyandottes...

Won 1st cock, 1st pen, 2d pullet in competition with the best in the world. Our SILVER PENCILED WYANDOTTES are just as good and we have hundreds of the finest exhibition and breeding stock of both varieties for sale.

GARVER & AVEY,

Box A, Columbia City, Ind.

Blue Ribbon Winners

Barred Ply. Rocks, White Wyandottes, R. I. Reds

Choice Stock for Sale—Fine Trios, \$12; Pens, Choice, \$20; Males, \$5, \$7, \$10. Females, \$3, \$5. Eggs—\$3 Per 15; \$5 per 30; \$10 Per 100.

Satisfaction guaranteed. Write to-day. We pay the charges on \$10 orders.

M. E. WURTS,

Sta. A, Cleveland, O.



BANNER ROUP CURE.

Banner Roup Cure is guaranteed to cure Roup, Colds and Canker in Poultry or Pigeons, or money refunded. Given in the drinking water and they take their own medicine. Price, 50 cents and \$1 per box, postpaid. Our immense illustrated catalogue free. Send for one.

EXCELSIOR WIRE & POULTRY SUPPLY CO., Dept. O,

W. V. RUSS, Proprietor,

26 & 28 Vesey St., New York City

St. Louis World's Fair Winners of 27 Regular and 9 Special Premiums.

800 WYANDOTTES and SEBRIGHTS 800

We have about 800 head of very fine Golden, Silver Laced and White Wyandottes and Golden and Silver Sebrights yet to spare at very reasonable prices. Our birds have won more than 300 premiums at Madison Square Garden show since 1891. In 1903 we won first on breeding pen of both GOLDEN and WHITE. They have won at all the big shows for the past 18 years. If you wish to buy fine line-bred birds from utility stock and exhibition quality combined, we breed that kind. Eggs from our fine matings \$3 and \$5 per setting. Our large circular is free and tells all about our birds. ALSO FINE BELGIAN HARES CHEAP.

IRA C. KELLER,

BROOK SIDE FARM, Box 75, Prospect, Ohio

Pure Bred White Wyandottes

I have carefully selected four pens of my very best WHITE WYANDOTTE hens and pullets, of good size, shape and excellent laying qualities, mated with fine cockerels of grand shape, pure white plumage, superb carriage, and fine Wyandotte points. These birds are young, vigorous stock and will produce first-class chicks. I will sell eggs from these choice matings at \$1.00 per sitting of 15. Satisfaction guaranteed.

MRS. T. F. LEONARD,

Box 94, Mt. Sterling, Ohio.

King Breeds some of the BEST BARRED ROCKS

in the country. Why? Because he is a specialist and caters to the fancy trade, breeds his winners and furnishes winners to his customers in strongest competition. Send for new mating circular for prices on eggs and description of breeding stock. Correspondence carefully and promptly answered. Write to-day.

O. L. KING,

Lock Box 4, Walnut Grove, Ill.

You Get \$300 For \$5



Four World's Fair Winners, Bred and Owned by U. R. Fishel.

That is what the customer got who wrote the following letter: "Streator, Ill., Jan. 17, 1905. I would not take \$300 for the twelve chicks I reared from the setting of eggs I bought of you last spring. * * * " Why ponder over the matter where to place your order for eggs for hatching. My matings this season are so far ahead of any previous season, that really I feel as if every egg should produce a winner.

When You Buy Eggs For Hatching

why not get the best? No haphazard matings in my yards, I have for years bred my winners and win with my breeders. My last winnings at the GREAT ST. LOUIS WORLD'S FAIR, where the Fishel White Rocks won seventeen prizes, surely convinces you of the quality. They tried hard to wrestle the title of "The Best in the World"

From The Fishel White Rocks

but it was too large an undertaking and one of the impossibilities. Have you seen a copy of my NEW 48-PAGE CATALOGUE? It is the finest poultry catalogue ever issued. Send three two cent stamps for a copy. I have something over TWO THOUSAND SELECT BREEDERS TO SELL, the cream of six thousand. It will pay you to get my prices.

E G G S \$5.00 per 15
 15.00 per 50
 25.00 per 100

U. R. FISHEL

-

Box A, Hope, Ind.

Booking Orders for Eggs

From prize winning Barred Plymouth Rocks, Light Brahmas, \$2 per 15; Bronze Turkey, \$5 per 10. Free circular.

GEO. O. ANDERSON, R. R. 5, Rushville, Ind.

FIRST-CLASS MAGAZINES

and periodicals are the very best home educators. Dig up your old ones and have them bound in neat, durable books. It costs but a small amount. Write for prices. The C. J. Farwell Co., 61 Plymouth Pl., Chicago.

White Wyandottes

Dustour's breeding and exhibition birds of high quality, farm raised and bred in line from my prize winners. While they did not get any ribbons at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable prices, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN, Beardstown, Ill.

H. O. SEARS,

Breeder of Fancy Poultry

The home of the B. P. Rocks, also B. B. Red Game Bantams, Buff Cochins, Bantams, Bronze and White Holland Turkeys, all standard varieties ducks and geese, including Blue Swedish Ducks and Wild Geese. Stock always for sale. Ornamental birds furnished for public or private parks. We win our share of the prizes wherever we show. Plenty of young turkeys. Satisfaction guaranteed. Garden Prairie, Ill.

Barred Rocks Exclusively

Winners at Illinois State Fair, 1902; Indiana State Fair, 1903 (A. P. A. Shows);

Illinois State Show, Jan. 2-7, 1905

They win for my customers too. First-class stock for sale. Eggs from best pens, \$3 per 13; incubator eggs, \$6 per 100.

MRS. TILLA LEACH 1 Main St., Cheneyville, Ill.

BATEMAN'S

BLACK LANGSHANS

Won at World's Fair 2, 4 cock, 7 hen, 2 cockerel, 6 pullet, 2 pen. Won more Illinois special prize money than all the other exhibitors combined. Won 1, 3 cock, 2 cockerel, 1 pullet, 4 hen, 1 pen in the State. Have won largely at Chicago repeatedly. At Dec., 1904, show won 1, 4, 5, cock, 1, 2 hen, 1, 2, 3, 4 cockerel, 1, 2, 4 pullet, 1, 2 pen and silver cup for best display. Exhibition or breeding stock for sale. Eggs \$5 for 15.

JESSIE T. BATEMAN, R. F. D., Waverly, Ill.

PATENT YOUR IDEAS
 \$100,000 offered for one invention; \$8,500 for another.
 Book "How to Obtain a Patent" and "What to Invent" sent free. Send rough sketch for free report as to patentability. We advertise your patent for sale at our expense.
 CHANDLEE & CHANDLEE, Patent Attorneys
 972 F Street, Washington, D. C.


Single Comb Buff Leghorns

Won wherever shown. A choice lot of cockerels for sale that score from 92½ to 94, \$3 to \$10. Score cards furnished if desired. Scored pullets also for sale that will win for you.

R. T. WHITMAN,

R. R. No. 1, Belvidere, Ill.

JULIUS J. KLEIN.

AMOS A. ANDERSON.

SUNNY SIDE POULTRY FARM

Buff and Barred Plymouth Rocks, Partridge Cochins, Light Brahmas, Embden Geese and Pekin Ducks. Catalogue free.

SUNNY SIDE POULTRY FARM,

Macon, Illinois.

Vanatta's Single Comb White Leghorns

The great winning and laying strain has again proven their superb merit by winning at ST. LOUIS WORLD'S FAIR. With 47 breeders competing in World's competition I won 7th, 9th cockerel, 2d, 8th hen, 2d, 6th, 9th pullet, 3d, 4th, 8th, 10th pen. In Missouri exhibit, 7 breeders competing, I won 1st, 2d, 3d cockerel, 1st, 2d hen, 1st, 2d, 3d pullet, 1st, 2d, 3d, pen. Also 3 cash club specials—winning 25 premiums and \$100 cash. No cock birds shown. Choice cockerels for sale. Eggs for hatching. Catalogue free.

E. E. VANATTA

R. F. D. NO. 8, VANDALIA, MO.

The Farmer Strain of... BARRED P. ROCKS

have been winners for twenty-eight years. Shall breed ten pens of as fine birds as we ever mated. Birds and eggs in season. Price list free if you mention this journal.

JOE FARMER,

Flushing, Ohio.

BENNETT'S BARRED ROCKS

In Individual merit and in breeding are the equal of any on the market and

WON AT CHICAGO, JANUARY, 1905

1st pullet, 2d hen, 2d cock, 3d cockerel, and 2d pen. I have 15 cockerels scoring from 91 to 93, for sale at from \$8 to \$25.

Eggs \$5 per Setting

Dr. O. P. BENNETT

Box 328, Mazon, Grundy Co., Ill.

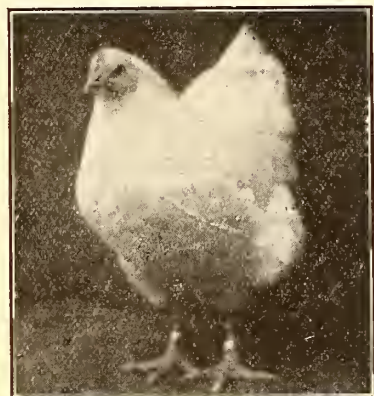
Caneday's White Rocks

ARE GOOD ONES



Tenth year of selection and pedigree breeding. Splendid layers, fine shape, standard size, whitest color, yellow legs, bay eyes, neat combs. Bred to lay, weigh and win. Some choice breeders for sale. EGGS from same pens I bred from \$1, two settings \$7, three settings \$10. Customers well pleased. Send stamp for free new descriptive circular, illustrated from life.

Victor D. Caneday, Box A, Taylors Falls, Minn.

**Eggs--One Hundred Breeding Yards--Eggs**

Fourth Prize Pullet St. Louis World's Fair.

Headed by such birds as 1st ckl., St. Louis; 3d ckl. in pen, St. Louis; 6th ckl. in pen, St. Louis; 1st ckl., Hagerstown; 1st ckl., Cleveland; 1st ckl., Indianapolis; 1st cock, Chicago; 3d ckl., Chicago; 3d cock, Chicago; 5th ckl., Chicago; 5th cock, Chicago; and many other prize winners.

White Plymouth Rocks

are the best general purpose bird ever produced, and I have hundreds of the choicest breeders to select from. Take advantage of my experience, and let me mate up a trio or pen for this season's breeding. The result will be pleasing to you. 36-PAGE STOCK CATALOGUE telling how to score, by Hewes, how to cure diseases, etc., for stamp. Shall I hear from you, please?

24-PAGE EGG CATALOGUE FREE

MAY R. POULTRY PLANT,

D. T. ROOTS, Prop., Connersville, Ind.

WYCKOFF'S SINGLE COMB WHITE LEGHORNS
... STRAIN ...

My birds lay more large, white eggs in winter with one-third less feed than any other breed. Try them and you will be convinced. Eggs \$2 for 15, \$3 for 30, \$6 for 100.
R. L. SEYMOUR GURNEE, ILLINOIS

**OAK BLUFF STRAINS
LIGHT BRAHMAS
—AND—
PARTRIDGE WYANDOTTES**

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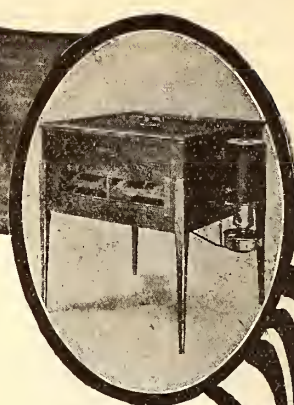
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but Models for us

Lakewood Farm Company Inc.

One of the latest to change over is the Lakewood Farm Company at Lakewood, N.J. This is one of the largest White Leghorn egg farms in this country, breeding a prolific strain of layers, and producing stock and eggs for breeding and hatching, as well as catering to a high class egg trade. Formerly the Cyphers was used exclusively, and Mr. Brown, the President of the Company, was loath to give the Model a trial. A fair trial, however, and nothing but the Model will answer for this money-making plant.

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CHAS. A. CYPHERS, 301 HENRY ST., BUFFALO, N. Y.



MODEL Brooders

GROW IN POPULARITY

Because They Rear Chicks Successfully

Perfected this season in point of detail, they have no equal at any price

To do the work successfully a brooder must be warmly constructed and heated in such a manner that there are no hot spots for the chicks to crowd against, such as a warm central dome or otherwise exposed heating surface. The air in the nursery as well as under the hover must be kept comfortably warm to keep the chicks from crowding.

The ventilation must be ample, and introduced in such a way that there is no draught on the chickens. A strong circulation of air is detrimental, in so much that it requires a much higher degree of heat to keep the chicks comfortable when the air is perceptibly moving. It must be well lighted, as nothing keeps a brooder so free from disease germs as light. In a dark, close, stuffy brooder chicks soon develop tuberculosis, familiarly known among poultrymen as "going light," one of the greatest causes of mortality among brooder chicks.

It must be roomy, as otherwise the chicks cannot properly exercise. It must be easy to clean and care for, as otherwise the attendant will neglect it. All these important features are found in the Model Colony Brooders as they are found in no other.

In this brooder the nursery is double-walled, insuring easy heating. The roof is covered with a layer of hair felt, making it sun proof; and tinned, making it water tight. It is ventilated by diffusion, the warm air passing gently downward through a burlap screen in the top of the hover. No perceptible air movement is felt by the chicks. The hover and nursery are amply large, and the exercising room is moderately warmed and very roomy, and the whole brooder is light and cheerful and easy to care for. This brooder has won more friends in one short season than any other brooder on the market, because it is easy to raise chicks in it.

The Following are Fair Average Reports on this Brooder

We used one of your Model Colony Brooders last season, and we found it very satisfactory in every respect. I think I would be safe in stating that it is the best brooder that we have ever used. It is not very often that we make a statement of this nature, but of the the brooders used so far, considering the health of the chickens and the amount of oil used, I think yours is superior to anything I have used to date.

Yours very truly,

W. R. GRAHAM.

Manager and Lecturer, Poultry Department, Ontario Agricultural College, Guelph, Canada.

I am using 14 Model Colony Brooders, and they are simply perfection for outdoor work. I feel justified in saying that they will raise every chick committed to their care that can be made to live in any manner.

Yours truly,

W. H. HARDIN.

Supt. Valle Crucis Farm, Valle Crucis, N. C.

I wish to say that I used three of your Model Colony Brooders last season, and I have no hesitancy in saying that they are the best outdoor brooders that I ever put a chicken in. I take pleasure in recommending it, not to aid the manufacturer, but to aid and benefit those who want a practical brooder.

Very truly yours,

FRANK W. GAYLOR.

Manager Gedney Farm, White Plains, N. Y.

I must say the Model Colony Brooders are just simply immense. They are the best we have ever used, and we have been using brooders for 25 years.

Very truly yours,

Hope, Ind.

J. C. FISHEL & SON.

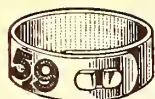
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Send for my new descriptive catalogue.

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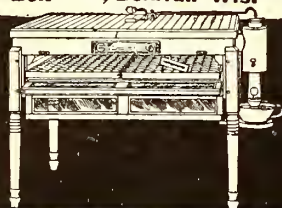
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hatches where others fail. Where quality and low prices count. No cold corners, easiest regulated, lasts longest, requires least fuel and attention. No fumes enter machine. Pure Air Brooders.

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of every user, stands the Ohio Incubator. Justly, too. It isn't hard to attend to—doesn't get "freaky." The lamp gives off no poisonous fumes—the ventilation doesn't dry the eggs up. Every part of the

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is planned and built to answer every demand for an artificial hatcher that won't disappoint. It hatches a high per cent of fertile eggs because of its peculiar, successful diffusion of warm air similar to the flesh-heat radiated by the hen. It's for your profit—if you're after dollars—to write now for our illustrated catalogue. It's free, Ohio Incubator and Brooder Co., Box 12 Columbus, O.

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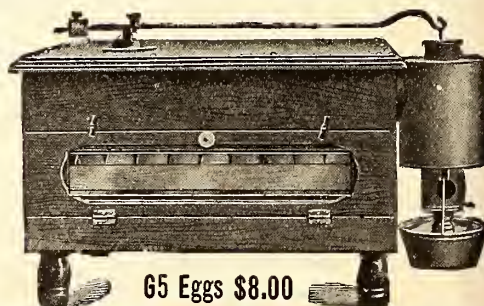
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Chicago, 1903

Five 1sts, seven other prizes.

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First and 7th cock, 4th pen, 3d display, five specials, \$50.00 silver cup.

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Sunflower Seed Will Make Hens Lay In Winter

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Last year we supplied seed to poultry raisers in every state in the Union and many in Canada. Results were so satisfactory the indications now are that we will have to hustle to fill orders for next season. However, we had a splendid crop and delight in hustling, so send in your orders early and be ready to plant an acre or more. Give it a thorough test, it will greatly increase your poultry profits.

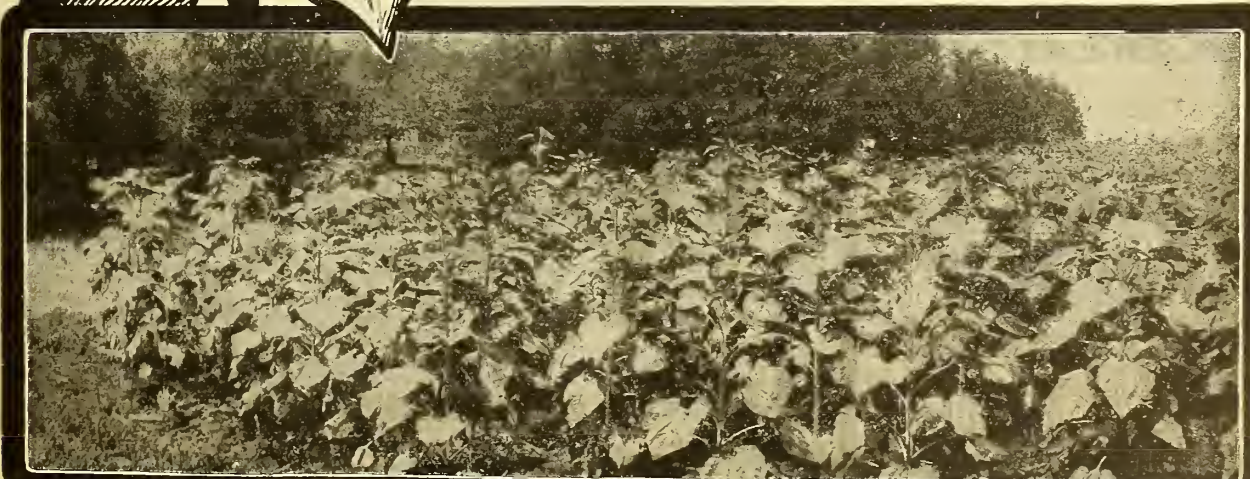
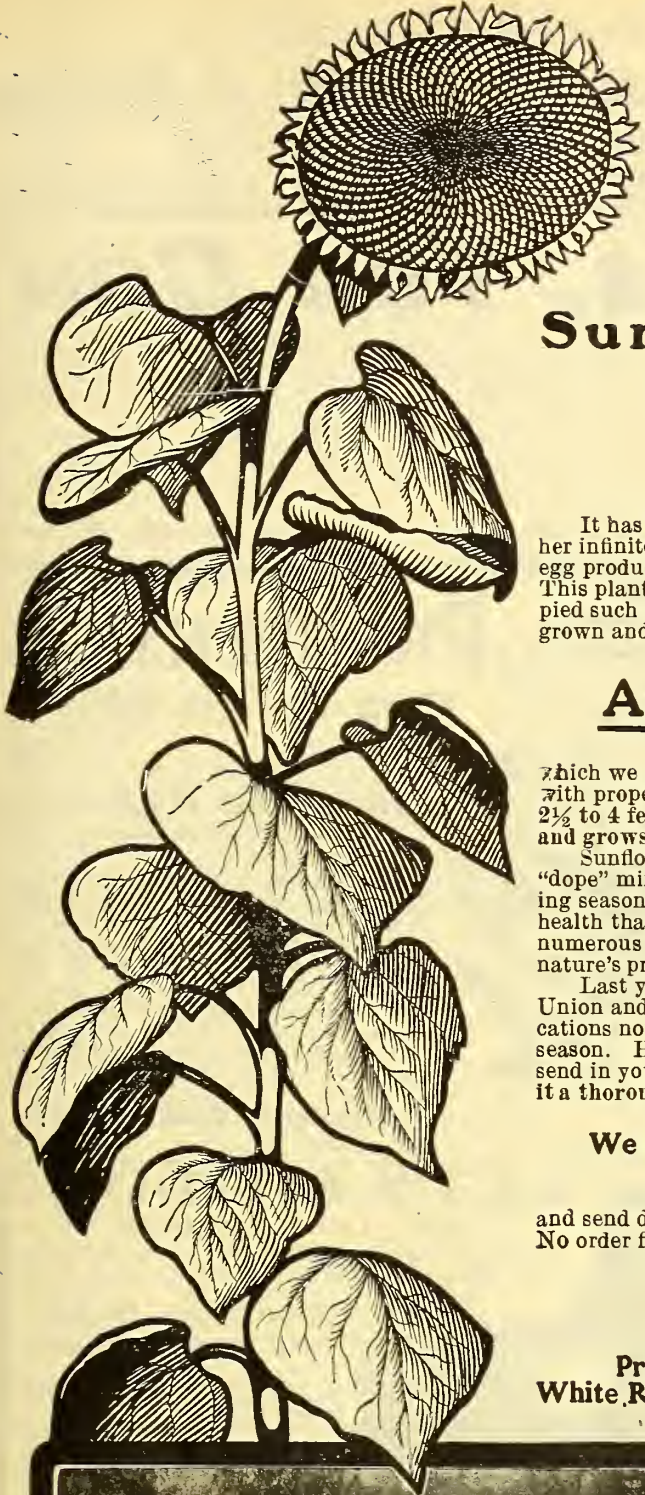
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Barred Rocks, 1904,

Michigan State Fair, 1st, 2d cks., 1st ck., 2d hen. Fenton, Mich., 5 1sts, 3 2ds, 2 3ds. Grand Rapids State Show, 1st ckl., 4th hen, 2d pen. Pontiac, Mich., 4 1sts, 3 2ds, 2 3ds, 3 4ths. Prize winners in breeding pens. Eggs in season. B. G. WESTFALL, Oak Grove, Mich.

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Better hatches. Stronger chicks. Much less expense. No failures. The Perfected Hatching System is Safe, Sure and very Easily Managed. Interesting book free.

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or fowls in ridding your place of rats or vermin. For \$1.00 I will send you the

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WINNERS OF THE PRESIDENT'S CUP NEW YORK 1904**Columbian Wyandottes**

Are destined to be the most popular of American varieties. Lay large eggs and lots of them, breed true and are an ideal table fowl. At St. Louis we won 1st and 3d cocks, 1st, 2d and 3d hens, 1st, 2d and 3d cks., 2d, 3d and 5th pullets.

Our Rose and Single Comb Reds are second to none. At New York, 1904, three 1sts and one 3d on four entries. Eggs and stock for sale. Send for circulars.

Hazelmere Poultry Yards

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The Book Tells about the Plans for Building Incubators and Brooders so clear and simple and complete that you can't possibly go astray. Besides we furnish you the parts you cannot make like Tank, Heater, Lamp, Regulator, etc. and we guarantee that no factory-made Machines have better fixtures than yours. Everything we furnish is of the very best. You need a brooder too. Our method enables you to get an Incubator and Brooder at less cost than a factory-made Incubator alone. Other features of interest in the book: "Why factory-made Incubators are Expensive," "How to Get Your Incubators Free," "Give the Boy a Chance," "Full Instructions for running Incubators and Brooders," etc. It's full of facts helpful to the experienced and invaluable to the beginner. Get the Book! Write for a copy today and begin planning carefully. Start right! Saving on the cost of your Incubator and Brooder is the best kind of money-making. A postal will bring the Book. It's free. Contains more genuinely New Ideas than any Incubator catalogue of the year.

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Yielded for thousands of farmers in 1904 from 30 to 80 bu. per acre, of as fine a Wheat as the sun ever shone on. Rust proof!

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Most talked of grass on earth. Yielded 10 and 14 tons of elegant hay per acre, while Teosinte would be ashamed of itself, if it did not produce over 80 tons of rich green food per acre.

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The Oat marvel, giant in yield and quality, nothing on earth quite like it. It will revolutionize Oat growing. 150 to 300 bu. per acre, if you sow it in 1905.

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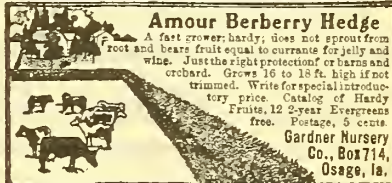
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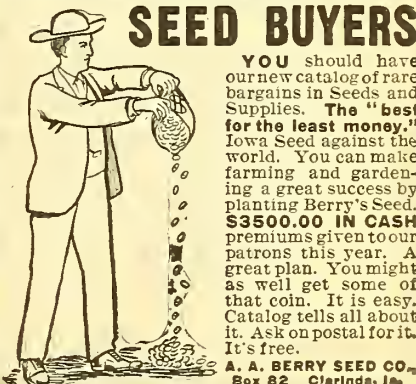


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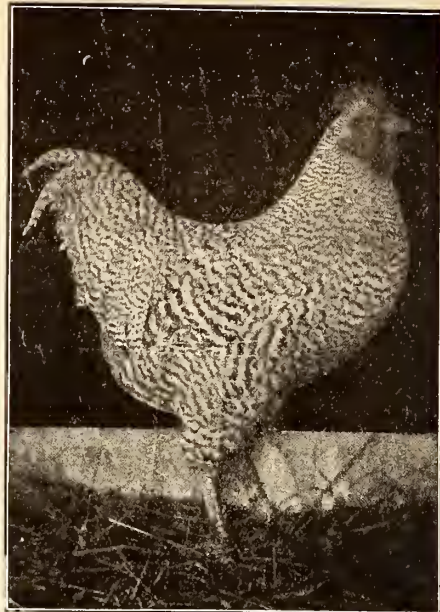
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American Poultry Journal

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

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No. 3.

THE ORIGIN OF EASTER EGGS

Some Notable Data Collected From Various Sources, By
Rev. C. E. Peterson.

Both fowls and eggs have from times immemorial played a role in the world's history, as we have formerly noted in the pages of the *AMERICAN POULTRY JOURNAL*. And it is at least an interesting enough study to those interested in facts of any kind relating to their fowl pets.

As will be seen from the following collected data on Easter eggs, it seems to have been a matter of great importance to a very many countries and peoples, and a publisher could even be found that was willing to publish at a time when money was worth more than it is today, a whole work on the subject of Easter eggs, adorned with one hundred beautiful engravings of eggs, with devices within them. This book was published in the year 1672, and is very rare. That the custom of the Easter egg is still kept up here and in other countries, shows to what an extent a custom may be rooted and grounded into the life of nations. There is much in this old time honored custom worth appreciating, and we believe that as long as Santa Claus comes to our homes with his great cheer and gifts to put in the childrens' stockings, just as long will he be followed by the cheer of the Easter morn, with its bright good news of a risen Savior, of which it was anciently believed that the Easter egg was a type.

These eggs were blessed by the priests in the following form, "Bless O Lord we beseech thee, this thy creatures of eggs; that it may be a wholesome sustenance to thy faithful servants, eating it in thankfulness to thee on account of the Resurrection of our Lord," etc.

Commonly these eggs were called Pasche, or paste eggs, which was supposed to be derived from *Pascha*, the Passover.

The exchange of Easter eggs is still kept up in Europe, and gifts of fancy colored eggs are annually presented to friends in this country.

The modes adopted in many parts of Europe to prepare these eggs for presentation are the following:

In the north of England it is still the custom to send reciprocal presents of eggs at Easter to the children of families respectively betwixt whom any intimacy exists. The modes adopted to prepare the eggs for presentation are the following: there may be others which have escaped my recollection. The eggs being immersed in hot water for a few moments, the end of a common tallow candle is made use of to inscribe the names of individuals, dates of particular events, etc. The warmth of the egg renders this a very easy process. Thus inscribed, the egg is placed in a pan of hot water, saturated with cochineal or other dye-woods; the part over which the tallow has been passed is impervious to the operation of the dye; and consequently when the egg is removed from the pan, there appears no discoloration of the egg where the inscription has been traced, but the egg presents a white inscription on a colored ground. The color, of course, depends upon the taste of the person who prepared the egg; but usually much variety of color is made use of. Another method of ornamenting "pace eggs" is, however, much neater, although more laborious, than that with the tallow candle. The egg being dyed, it may be decorated in a very pretty manner, by means of a penknife, with which the dye may be scraped off, leaving the design white, on a colored ground. An egg is frequently divided into compartments, which are filled up according to the taste and skill of the designer. Generally one compartment contains the name, and (being young and unsophisticated)

tice as a tombstone of a family Bible. It will be readily supposed that the majority of pace eggs are simply dyed or dotted with tallow to present a piebald or bird's-eye appearance. These are designed for the junior boys, who have not began to participate in the pleasures of "a bended bow and quiver full of arrows," a flaming torch, or a heart and a true lover's knot. These plainer specimens are seldom promoted to the dignity of the ale-glass or the corner-cupboard. Instead of being handed down to posterity, they are hurled to swift destruction. In the process of dyeing they are boiled pretty hard, so as to prevent inconvenience if crushed in the hand or the pocket. But the strength of the shell constitutes the chief glory of a pace egg, whose owner aspires only to the conquest of a rival youth. Holding his egg in his hand, he challenges a companion to give blow for blow. One of the eggs is sure to be broken, and its shattered remains are the spoil of the conqueror, who is instantly invested with the title of "a cock of one, two, three," etc., in proportion as it may have fractured his antagonists' eggs in the conflict. A successful egg in a contest with one which had previously gained honors adds to its number the reckoning of its vanquished foe. An egg which is "a cock" of ten or a dozen, is frequently challenged. A modern pugilist would call this a set-to for the championship. Such on the borders of the Solway Frith were the youthful amusements of Easter Monday.

Hutchinson, in his *History of Northumberland*, ii. 10, speaking of Pasche Eggs, says, "Eggs were held by the Egyptians as a sacred emblem of the renovation of mankind after the Deluge. The Jews adopted it to suit the circumstances of their history, as a type of their departure from the land of Egypt; and it was used in the feast of the Passover as part of the furniture of the table, with the Paschal Lamb. The Christians have certainly used it on this day, as retaining the elements of future life, for an emblem of the Resurrection. It seems as if the egg was thus decorated for a religious trophy, after the days of mortification and abstinence were over, and festivity had taken place; and as an emblem of the resurrection of life, certified to us by the Resurrection from the regions of death and the grave." The ancient Egyptians, if the resurrection of the body had been a tenet of their faith, would perhaps have thought an egg no improper hieroglyphical representation of it. The exclusion of a living creature by incubation, after the vital principle has laid a long while dormant, or seemingly extinct, is a process so truly marvelous, that, if it could be disbelieved, would be thought by some a thing as incredible to the full, as that the Author of Life should be able to reanimate the dead.

A writer in the *Gentleman's Magazine*, July, 1783, p. 578, supposes the egg at Easter "an emblem of the rising up out of the grave, in the same manner as the chick, entombed, as it were, in the egg, is in due time brought to life." Le Brun, in his *Voyages*, i. 191, tells us that the Persians, on the 20th of March, 1704, kept the Festival of the Solar New Year, which he says lasted several days, when they mutually presented each other, among other things, with colored eggs.

Easter, says Gebelin, and the New Year, have been marked by similar distinctions. Among the Persians, the New Year is looked upon as the renewal of all things, and is noted for the triumph of the Sun of Nature, as Easter is with Christians for that of the Sun of Justice, the Savior of the World, over death, by his Resurrection. The Feast of the New Year, he adds, was celebrated at the Vernal Equinox, that is, at a time when the Christians, removing their New Year to the Winter Solstice, kept only the Festival of Easter. Hence, with the latter, the Feast of Eggs has been attached to Easter, so that eggs are no longer made presents of at the New Year.

The Jews, in celebrating their Passover, placed on the table

also the age of the party for whom the egg is intended. In another is perhaps a landscape; and sometimes a cupid is found lurking in a third; so that these "pace eggs" become very useful auxiliaries to the missives of St. Valentine. Nothing is more common in some northern villages than to see a number of these eggs preserved very carefully in the corner-cupboard; each egg being the occupant of a deep long-stemmed ale-glass, through which the inscription could be read without removing it. Probably many of these eggs now remain in Cumberland, which would afford as good evidence of dates in a court of just-two unleavened cakes, and two pieces of the Lamb; to this they added some small fishes, because of the Leviathan; a hard egg, because of the bird Zizz; some meal, because of the Behemoth; these three animals being according to their Rabbinical Doctors, appointed for the feast of the elect in the other life. I saw at the window of a baker's shop in London, on Easter Eve, 1805, a Passover cake, with four eggs, bound in with slips of paste, crossways, in it. I went into the shop and inquired of the baker what it meant; he assured me it was a Pass-over cake for the Jews.

The learned Hyde, in his *Oriental Sports*, tells us of one with eggs among the Christians of Mesopotamia on Easter Day, and forty days afterwards, during which time their children buy themselves as many eggs as they can, and stain them with a red color in memory of the blood of Christ, shed as at the time of his Crucifixion. Some tinge them with green and yellow. Stained eggs are sold all the while in the market. The sport consists in striking their eggs one against another, and the egg that first breaks is won by the owner of the egg that struck it. Immediately another egg is pitted against the sinning egg, and so they go on (as in that barbarous sport of a Welsh main at cockfighting), till the last egg remaining wins all the others, which their respective owners shall have won. This sport, he observes, is not retained in the midland parts of England, but seems to be alluded to in the old proverb, "an egg at Easter," because the liberty to eat eggs begins again at that festival, and thence must have arisen this festive egg-game; for neither the Papists, nor those of the Eastern church, eat eggs during Lent, but at Easter begin again to eat them. And hence the egg-feast formerly at Oxford, when the scholars took leave of that kind of food on the Saturday after Ash Wednesday; on what is called "Cleansing Week."

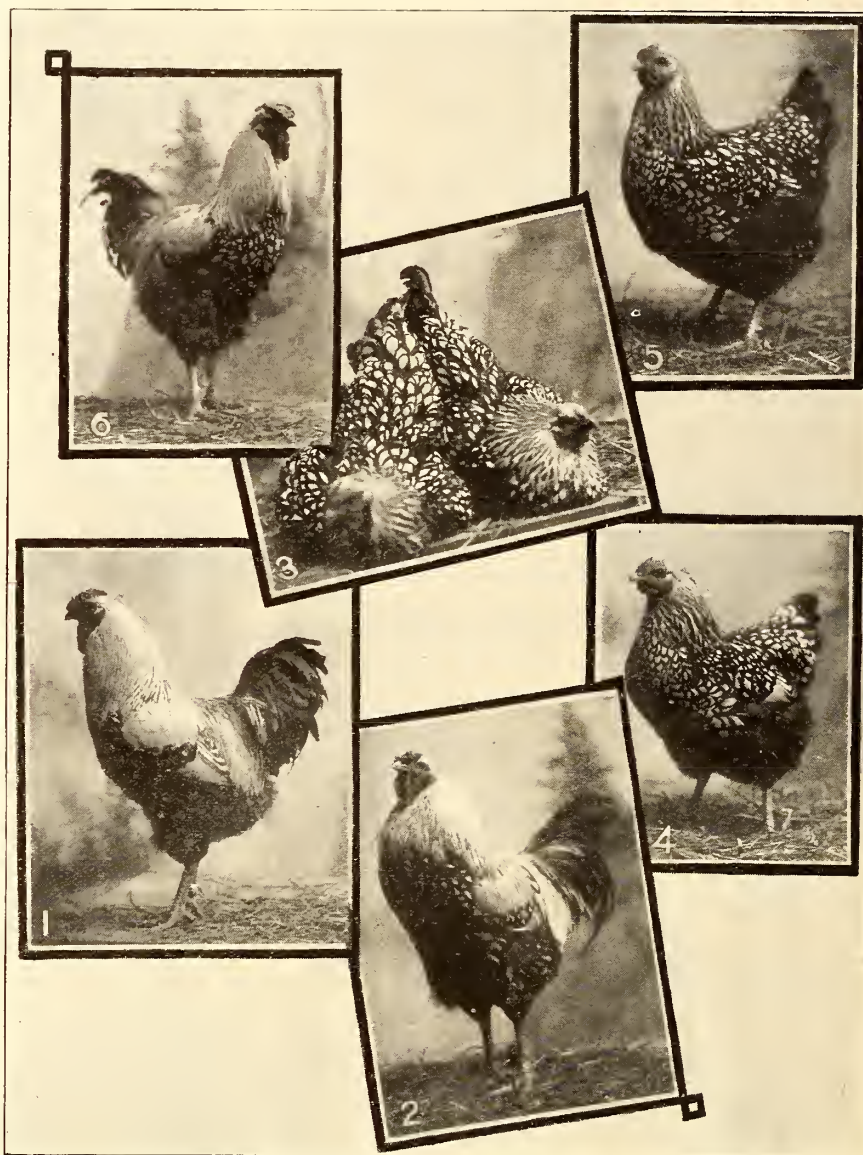
In the *Museum Tridescantianum*, 1660, p. 1, we find, "Easter Eggs of the Patriarchs of Jerusalem."

In the North of England, continues Hyde, in Cumberland and Westmoreland, boys beg on Easter Eve, eggs to play with, and beggars ask for them to eat. These eggs are hardened by boiling, and tinged with the juice of herbs, broom-flowers, etc. The eggs being thus prepared, the boys go out and play with them in the fields, rolling them up and down like bowls upon the ground, or throwing them up, like balls, into the air. Eggs, stained with various colors in boiling, and sometimes covered with leaf-gold, are at Easter presented to children, at Newcastle-upon-Tyne, and other places in the North, where these young gentry ask for their paste eggs, as for a fairing, at this season. Paste is plainly a corruption of Pasque, Easter.

In the neighborhood of Newcastle they are tinged yellow with the blossoms of furze, called their Whin-bloom. A curious tract, 1644, lies before me, entitled, *To Sion's Lovers*, being a golden egg, to avoid infection, a title undoubtedly referring to this superstition. In a curious Roll of the Expenses of the Household of 18 Edw. I., communicated to the Society of Antiquaries, 1805, is the following item in the Accounts of Easter Sunday: "Four hundred and a half of eggs, eighteen pence:"

highly interesting to the investigator of our ancient manners; not so much on account of the smallness of the sum which purchased them, as for the purpose for which so great a quantity was procured on this day in particular: i. e. in order to have them stained in boiling, or covered with leaf gold, and to be afterwards distributed to the Royal Household.

The following, from Emilienne's *Frauds of Romish Monks and Priests*, is much to our purpose: "On Easter Eve and Easter Day, all the head of families send great chargers, full of hard eggs, to the church, to get them blessed, which the priests perform by saying several appointed prayers, and making great signs of the cross over them, and sprinkling them with holy water. The priest, having finished the ceremony, demands how many dozen eggs there be in the bason? These blest eggs have the virtue of sanctifying the entrails of the body, and are to be the first fat or fleshy nourishment they



A GROUP OF JONES' WYANDOTTES, FROM "THE PINES," PADUCAH KY THAT WON AT THE LATE CHICAGO SHOW.

take after the abstinence of Lent. The Italians do not only abstain from flesh during Lent, but also from eggs, cheese, butter, and all white meats. As soon as the eggs are blessed, every one carries his portion home, and causeth a large table to be set in the best room in the house, which they cover with their best linen, all bestrewed with flowers, and place round about a dozen dishes of meat, and the great charger of eggs in the midst. 'Tis a very pleasant sight to see these tables set forth in the houses of great persons, when they expose on side-tables (round about the chamber) all the plate they have in the house, and whatever else they have that is rich and curious, in honor of their Easter eggs, which of themselves yield a very fair show, for the shells of them are all painted

with divers colors and gilt. Sometimes there are no less than twenty dozen in the same charger, neatly laid together in the form of a pyramid. The table continues, in the same posture, covered, all the Easter week, and all those who come to visit them in that time are invited to eat an Easter egg with them, which they must not refuse."

In the Beehive of the Romishe Church, 1579, f. 14, Easter eggs occur in the following list of Romish superstitions: "Fasting Dayes, Years of Grace, Differences and Diversities of Dayes, of Meates, of Clothing, of Candles, Holy Ashes, Holy Pace Eggs and Flanes, Palmes and Palme Boughes, Staves, Fooles Hoods, Shelles and Belles, Paxes, Licking of Rotten Bones," &c. The last article relates to pilgrims and relics. The author of *Le Voyageur A Paris*, ii. 112, supposes that the practice of painting and decorating eggs at Easter, amongst the Catholics, arose from the joy which was occa-

Siberia, is set apart for visiting in Russia. A Russian came into my room, offered me his hand, and gave me, at the same time, an egg. I gave him in return the egg which I had just before received. The men go to each other's houses in the morning, and introduce themselves by saying: "Jesus Christ is risen." The answer is: "Yes, he is risen." The people then embrace, give each other eggs, and drink a great deal of brandy. The subsequent extract from Hakluyt's *Voyages* is of an older date, and shows how little the custom has varied: "They (the Russians) have an order at Easter, which they alwaies observe, and that is this: every yeere, against Easter, to die or color red, with Brazzel (Brazil wood), a great number of eggs, of which every man and woman giveth one unto the priest of the parish upon Easter Day, in the morning. And, moreover, the common people used to carrie in their hands one of these red eggs, not only upon Easter Day, but also

three or four days after, and gentlemen and gentlewomen have eggs gilded, which they carry in like manner. They use it, as they say, for a great love, and in token of the Resurrection, whereof they rejoyce. For when two friends meete during the Easter Holydayes, they come and take one another by the hand; the one of them saith: 'The Lor, or Christ, is risen;' the other answereth, 'It is so of a trueth;' and then they kiss and exchange their eggs, both men and women, continuing in kissing four dayes together." Our ancient voyage-writer means no more here, it should seem, than that the ceremony was kept up for four days. On the modern practice of this custom in Russia we find the following: "On Easter Day they greet one another with a kiss, both men and women, and give a red egg, saying these words, *Christos vos Christe*. In the Easter Week all his Majesty's servants and nobility kiss the patriarch's hand, and receive either gilded or red eggs, the highest sort three, the middle two, and the most inferior one."

In Germany, sometimes, instead of eggs at Easter, an emblematical print is occasionally presented. One of these is preserved in the Printroom of the British Museum. Three hens are presented as upholding a basket, in which are placed three eggs, ornamented with representations illustrative of the Resurrection. Over the centre egg the *Agnus Dei*, with a chalice representing Faith; the other eggs bearing the emblems of Charity and Hope.

All good things are three,
Therefore I present you three Easter eggs,
Faith and Hope, together with Charity.
Never lose from the heart
Faith to the Church; Hope in God
And love him to thy death.

The Pace-Egger's song, as still heard in the North, commences as follows:

"Here's two or three jolly boys, all of one mind,
We have come a pace-egging, and hope you'll prove kind;
I hope you'll prove kind with your eggs and strong beer
And we'll come no more near you until the next year."

A sort of drama appears to form part of the amusements of this day. I possess a tract of this kind, entitled the *Peace Egg*, with woodcuts, which concludes as follows:

"Enter Devil Doubt.
"Here come I, little Devil Doubt,
If you do not give me money,
I'll sweep you all out;
Money I want, and money I crave,
If you do not give me money
I'll sweep you all to the grave."

Much more might be quoted about Easter Eggs but we will forbear, and conclude by relating one more curious instance of a will made by John Troutbeck October 27, 1787, who gave



A GROUP OF NOTED GOLDEN WYANDOTTES FROM JONES, "THE WYANDOTTE MAN," THE PINES, PADUCAH, KY.

sioned by their returning to their favorite food after so long an absence from them during Lent.

Dr. Chandler, in his *Travels in Asia Minor*, gives the following account of the manner of celebrating Easter among the modern Greeks: "The Greeks now celebrated Easter. A small bier, prettily decked with orange and citron buds, jasmine, flowers and boughs, was placed in the church, with a Christ crucified, rudely painted on board, for the body. We saw it in the evening, and, before day-break, were suddenly awakened by the blaze and crackling of a large bonfire, with singing and shouting honor of the Resurrection. They made us presents of colored eggs and cakes of Easter bread."

Easter Day, says the Abbe d' Auteroche, in his *Journey to*

to the poor of Dacre, the place of his nativity, 2001, the interest thereof to be distributed every Easter Sunday on the family tombstone in Dacre churchyard, provided the day should be fine, by the hands and at the discretion of a Troutbeck of Blencowe, if there should be any living, those next in descent having prior right of distribution; and if none should be living that would distribute the same, then by a Troutbeck, as long as one could be found that would take the trouble of it; otherwise by the ministers and churchwardens of the parish for the time being; that not less than five shillings should be given to any individual, and that none should be considered entitled to it that received alms, or any support from the parish.

SOME WORK FOR MARCH

Caution in the Purchase of the Pen or Trio Which Will Form the Foundation of the Breeder's Work for Years—Proper Method of Handling the Stock Secured from the First Mating—A Mixture of Seeds Which Form a Good and Durable Pasture During the Entire Season.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal.

"As ye sow so shall ye reap." This is true of all men, in all trades in life. Never before were market gardeners and farmers, and planters in general so particular as to the quality of the seeds they plant. They demand seeds of strong vitality, grown on soil best suited to the proper development of each vegetable or grain, and bred from a line of ancestors of strong germinating power.

This season a very large number—a greater number than ever before—will embark in the standard bred poultry business. Those who have given the question as how to start best the most careful consideration will purchase a trio or pen of stock.

It is to such persons we wish here to say a few words. Be very careful in the selection of this pen or trio. It is the foundation upon which all your work as a breeder and fancier must rest so long as you remain in the business of producing standard bred fowls. You should, therefore, select this stock with the utmost care. You must bear in mind that you take this carefully selected stock and with it produce a distinct strain, a family, of fowls; that you will not frequently introduce a male of foreign blood into your flock; but this male will lay the foundation of a male line of breeding that is to be used for many years.

Now, as to the selection. Keep in mind, and do not lose sight of the fact for one moment that shape and character of form is of more importance in the foundation male than is color. "Shape makes the breed," it has been said, and it is largely true. To illustrate: In one of the shows at which we served as judge this winter a young man exhibited a large string of White Wyandottes. They were in perfect show shape, clean, properly prepared. They were exceedingly white birds. The young man thought he had stock that was sure to score very high. When we were through with them the card told a different story. Each and everyone of them was severely cut for shape. They were not Wyandotte shape, but Rock shape. As a consequence they could not score high because they were so severely cut for shape.

This young man had expended considerable money in getting this flock together, but his money and his labor has all been thrown away, unless it be that he profits by the experience. For him to use any one of these birds, especially any one of the males would mean further loss of time and money, because he could never develop a strain of proper shaped Wyandottes from the stock. He could not, even in years, produce from them Wyandottes that would win even in the smaller shows—because he could not get fowls of Wyandotte shape and form characteristics.

There are so many people doing just as this young man has done that it does seem as though a personal appeal ought to be issued to them to get right. Hence this article.

Be persistent in your study of the standard of the breed and variety you are going to purchase; study, too, the best illustrations of the breed or variety; get the shape and form firmly fixed in your mind, and then have the courage to refuse any specimen that does not approach the ideal. If you will but do this you will do what few beginners have done, or ever will do, and you will soon be producing extra choice stock.

As we have stated, make color the second consideration, but secure it as good as possible in a specimen of the proper shape. Do not place all the responsibility upon the male. Bear in

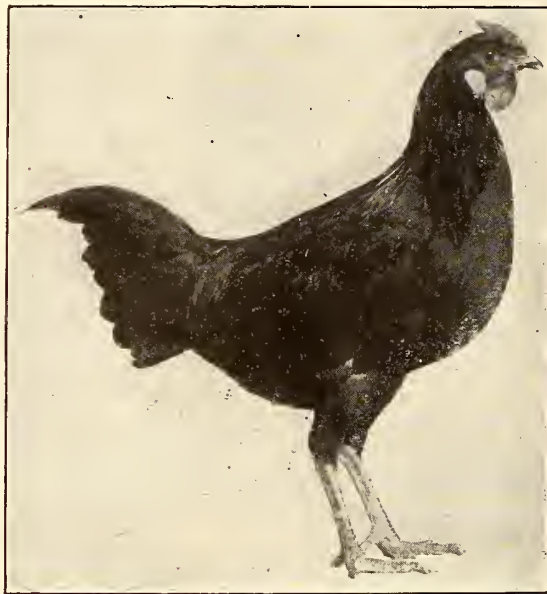
mind that the female, or females, must be of proper shape, for the blood of the dam is something with which we must reckon with in every chick. Size is usually controlled by the dam, as is, frequently, shape and form.

THE FIRST STEP.

A correspondent at Reading, Pa., writes:

"Last season I purchased a trio of White Rocks from a reliable breeder. Raised a number of chicks. Want to now mate up two pens. Tell me how best to do this. The cock bird is a magnificent one, scoring 95 by two leading judges. I want to use him but have been advised that it will not do to breed him to any of the young stock. I want to breed properly."

There are a great many breeders situated exactly as is our correspondent. The next move they make in their breeding operations is a most important one. It means either the retaining of the valuable blood they now possess or the throwing of it away. It could be easily thrown away, ruined as far as its use is concerned, by the introduction of a new male into



ROSE COMB BLACK MINORCA.

This illustration is the first prize Rose Comb Black Minorca at the World's Fair, St. Louis. The cockerel was six months old when the photo was taken, and since then it has developed into even a better bird than is shown here. This cockerel was bred, owned and exhibited by A. Didriksen of Whitewater, Wis., at St. Louis. In addition to this, Mr. Didriksen won 1st prize on pullet at the Chicago Show, which would clearly go to show that he has the right kind of stock in his yards.

the flock. It could be half lost by securing new females to mate with the cock bird.

The proper thing for our correspondent to do is to select a few of the choicest pullets sired by the cock bird and to mate them with their sire.

Select the best cockerel and mate them with the two hens. Do not give the cockerel any of the pullets. The mating of sister and brother is all wrong. In such a mating we have no fountain head from which to draw shape, color or strength.

Such mating as described will be the first step in line-breeding, in practical, systematic breeding, which if properly followed will give one great profit and pleasure.

SOME GOOD PASTURE SEEDS.

Many poultrymen find it necessary to seed their yards and range every spring. Red clover, oats and some of the stronger grasses are usually used. The trouble is that all these are practically killed out by the stock every season, and do not supply the required green food all the summer and fall. If rye is sown in the fall it is eaten by the fowls and chicks early and as a consequence the yards are barren during summer. We have a neighbor who has succeeded in solving the problem. He sows a mixture of timothy and alsike clover. This is sown as early in the spring as possible and the stock kept off of it until it gets a good start. It makes a strong sod and a comparatively small patch will supply pasture all the season for a breeding pen. The alsike clover succeeds on cold, stiff soils and on land too damp for other clovers. If a breeder has land that is wet in the early season, or that is naturally low or shaded this clover is an ideal seed to use. By the time the land is dry enough to be used by the fowls the clover has made a fine stand. It succeeds well, also, on upland.

THOS. F. RIGG.

SUCCESS WITH BROODERS

How to Feed and Care For the Chicks—Where to go For Protection.

The best brooders made can be improved upon, and after we have spent the time and trouble of getting the chicks hatched we need the best brooder we can get. If a brooder does good work the first season, and the next does not, with the same attendant, it is probable the conditions have changed, maybe the lumber has shrunk (and if it is an outdoor brooder which seems to give everyone the best results) it may be rain has leaked or drifted in.

A brooder must be kept dry inside; perhaps the number of chicks is too large; 50 is a large number for a 200 chick machine; or it may be the brooder is full of disease germs contracted the year before from sick chicks, but doing no damage until the next season. A thorough disinfection is always in order every time a new flock of chicks are put in the brooder.

A tried and true disinfectant is one-half pint sulphuric acid (deadly poison, be careful when you use it) to six quarts of water. After the brooder has been thoroughly scrubbed with hot suds and dried, wet all the floor and walls with the sulphuric mixture, let this dry and then whitewash the whole inside with hot lime water. Take a sunny day for this job if possible, and the brooder will be pure as new. When it is dry cover the floor with paper, then put in enough clover or timothy chaff to cover the floor all over three inches deep.

There are substitutes for a floor covering, but nothing quite so good. All things considered, it is soft to sleep in, is easily kicked around, and the little seeds in it induces the chicks to scratch. Besides, the seed is a fine food, and they get it in about the right quantities. The litter should be changed in a week, second week twice, cleaning more often as the chicks grow older.

We never feed in the litter, we feed in the brooders for about a week, but we let the chicks run outdoors when they choose from the first day. We use a shingle to serve their meals on, and remove and wash it after they have eaten. Feeding in the brooder makes them familiar with the way inside. They soon learn that way.

WHERE TO GO FOR PROTECTION.

We use a small yard $2\frac{1}{2}$ by 3 feet, attached to the brooders, in which we limit their range for two weeks, after which we let them go wherever they please, only when it is raining; and it makes a nice place to feed them, where larger fowls cannot eat with them. We always put their soft food on a board, and we keep the yards clean and disinfected.

I have proved to my own satisfaction long ago, that the food question is not nearly as important as cleanliness and temperature. Last, but not least, a chick with inherited weakness or disease is not apt to thrive, if it lives at all, with the best of care.

Chicks with healthy vigorous parents will stand a great amount of neglect and abuse. When eggs are hatching well, I know my chicks will be strong. When they do not, I expect more or less weak birds. We never had sick chicks but that we could trace the cause of it to either getting chilled, roasted, dampness or foul brooders. We have never thought of late that the food made our chicks sick. For the first meals we moistened light bread with sweet milk, and feed every two or three hours for three days. A friend of mine uses whole wheat and has excellent results; sometimes I use whole wheat or johnny-cakes; really I feel certain that it does not matter much what they are fed so that the food is sweet and clean.

I give my young poultry as much of a variety as possible, changing their bill of fare every day; usually we change with light bread, whole wheat, hard boiled eggs, oatmeal, johnny cake, equal parts of wheat bran and corn meal wet up with boiling water, allowed to cool before feeding. Corn meal and clabber cheese mixed equal parts are much relished; so are table scraps. Then for a change once in a while we mix chopped meat also.

We have never seen any extra results from mixing either oyster shells or mica crystal grit in the food, so we put it in a little box for them to piece on, like their big relatives. It is less trouble and does just as well. Then we make water fountains by inverting an old tomato can in a saucer, make a small hole near the top of the can, so when it is inverted in the saucer the hole will be just below the top of the saucer rim.

Of course, in very cold weather we have to put the water in the brooder, but we try to not let it get spilled and wet the litter. We try to keep the water vessels clean, and with clean water in at all times. We are very particular to put our brooders where the sun shines all day, either in early spring

or midsummer. If shade is not near the brooder, we provide it in warm weather; in cool weather my chicks always prefer sunshine all day long. We provide a little box of dust for them, which they always make use of and seem to enjoy it, but if the chicks have been hatched under hens, the dust bath is not sufficient. Dust them once a week at least with a good insect powder. We use a machine that we can dust 40 chicks at a time in, but if we did not have it, we would dust them by hand, for lice always get the upper hand of chicks, if they are together long.

Persian insect powder is as good as anything I have tried; it does not hurt the chick's eyes nor make them stupid if used at night, and it is so finely powdered that a pound goes a long way.

For good results with a brooder, one needs to be as particular about the temperature as we are with an incubator that is imitating nature, for the old hen's temperature stays the same after the chicks are hatched, only she can let them be cooler if they wish to be. With the brooder the first few



FIRST BARRED ROCK COCKREL NEW YORK 1905.

Bred and owned by Grove Hill Poultry Yards, Waltham, Mass.
Wm. Ellery Bright, Prop., A. C. Smith, Supt.

times it is used, the lamp is clean and bright, as well as the other parts, and there is not much bother to regulate the temperature. We fill our brooder lamps with a good kerosene every evening during the cool weather, not because they are empty, but because they will give an even heat longer when the lamp is near full. We rub the charred top off of the lamp wick twice each day and keep the wick trimmed so the blaze is even and never smokes.

After filling the lamp, we wipe all oil, soot and smoke off of the burner and chimney; we keep the whole lamp as clean as though we wished to read by it. We cannot regulate the blaze if it smokes. When we put in newly hatched chicks we aim to keep the temperature near 95 degrees, not above that, for four or five days, after which we gradually lower the temperature as the chicks grow older. By the time they are six weeks old in March we can put them in a coop without a lamp, but we provide a warm place. We put a thick lining of old carpet or such like all around the walls to help exclude the cold air; in June we usually put them in a cool brooder for three weeks, and we do not use any padding around the walls.

This is easy to tell and looks easy to do, and is after one has learned how, but there are so many things to learn be-

fore one can half attend to brooder chicks or any other kind for that matter. The chicks' welfare must be one of the things uppermost on our mind. On a sunshiny day an hour's neglect may cook the whole flock, for if the door is open when the chicks are first hatched, they have not learned to run outside and cool off, so we must watch the thermometer, which should be as near the center of the sleeping apartment as possible, and should be hung securely, or a little neglect of a cold evening may chill the whole brood. Every time brooder chicks have bowel trouble, diarrhea especially, we can remember of having trouble with the temperature a day or two before, and we have got so every time the thermometer runs up above 105 or below 85, while the chicks are less than 10 days old, we look out for trouble with a few at least.

A good remedy for this looseness of the bowels is equal parts of corn meal and wheat bran wet with boiling water, cooled before feeding. Just have it crumbly, and one day's feeding is enough; give them a change the next day, through the cool months we put our chicks to bed at sundown, close the little door, pull down the curtain and regulate the temperature so the thermometer will register the same degree, the degree we wish to keep all night for an hour before our



RED COCKEREL

Prize winner, Brockton, 1904, Chas. F. Thompson & Co., Lynnfield, Mass.

bedtime. If it is raining or stormy, we find it a good plan to put a cover of some kind over the brooder to help keep the temperature regular. In warm weather sometimes we need to open the brooder door a little at nights, especially after the chicks are two weeks old. For rainy days we have a tent like covering of heavy canvas or ticking over our brooder yards; the chicks may run out for fresh air and outdoor exercise and not get wet, either.

This same tent makes a nice shade in hot weather under which to keep the water fountains and feed board, after the chicks are two weeks old, when we let them have unlimited range; we change our brooder location a little every two weeks, because it is less work than disinfecting the ground around it where we have been feeding. We have plenty of room and it is practical for us; we think that one location for the season would be all right, if it was kept pure and clean.

It would need sweeping every day besides a disinfecting every time the brooder was cleaned. It would need a sunny place. The sun is one of the best purifiers. Don't be afraid of the sulphuric acid water, the famous Douglas Mixture is composed of sulphuric acid, one-half fluid ounce, eight ounces of copperas and one gallon of water. A gill of this mixture to two gallons of water for the grown fowls to drink for a tonic.

So you see the danger of poisoning the brood is small from using the disinfectant. When raising brooder chicks or chicks with hens, we must not forget there are conditions and happenings, which we have no control over. Such things we must not worry over, for it does no good. Leave that to a higher power, but things we can do and lose by not doing, we should lay the blame on our own shoulders, and try to do better the next time.

MRS. NELLIE BULLOCK.

FERTILE EGGS.

A Few Valuable Pointers on How to Secure the Best Results—Certain things that are Essential to Secure Strong Fertility.

I have been raising chickens continuously for nearly ten years and during that time have had very little trouble with infertile eggs;—I mean, of course, to any extent—except in one yard a year ago, where I learned quite a dear lesson, as I lost nearly all the eggs from my best mating (Silver Wyandottes) the pen was headed by a very fine yearling male. The year before as a cockerel, he had free range with about 30 hens and I never knew eggs to hatch much better, they averaged about 90 per cent through the season and chicks were very strong and vigorous, so the next season I expected as good results from the male, as I supposed if eggs were fertile one year, it was an indication that they would be again and mated him to 12 of my best females, but was sadly disappointed as he did not fertilize over about 25 per cent of the eggs set. I was at a loss to know the reason, until a Barred Plymouth Rock breeder told me it was all owing to giving him too many mates the first breeding season. She said that it would ruin the larger breeds every time, that she had done the same thing and knew and I believe she was correct. This cock seemed as vigorous and attentive the second season as the first, but germs failed to fertilize. My cockerels are never allowed over 15 mates since then (the only egg order I ever had to duplicate was from this special pen) my other mating proved very fertile the same year, although it was called by nearly all poultry men a very bad season in this respect.

Some breeders advocate using two or three males to each pen and alternating them to secure best results. Where one does not pedigree their stock, and there are more hens than is desirable for one male, and one desires stock from more than one male, with not enough yards to accumulate two or three pens, it may be desirable to do this way, but I doubt if simply as far as fertility is concerned, it would pay. You see I am speaking theoretically now, as I never tried this plan, but a month or so in one pen, and I did not see that there was anything gained in this short trial. The only advantage I can see in this plan is the preference for some special females. The alternating male may show different taste and choose his favorites among the rejected ones, but only in one or two cases have I ever had any trouble this way. This past season I noticed the latter part of the season, one hen's eggs were nearly all infertile in one sitting. I especially desired some chicks from this one mating, and finally found the cock-bird fought her; he would leave his feed to go across the pen to give her a vicious "nab." I only succeeded in getting one chick from this pair (three or four eggs showed weak germs) and a vicious hen killed that.

A small, active breed can be allowed more females to each male than the larger ones, and I also find in my own experience that several mates are better than simply one or two, while, of course, for fancy breeders, it is oftentimes desirable to use a single pair or trio for a mating, still when simply strong fertility is desired a few more females are productive of better results, and, too, in mating, a too heavy male should never be used. We frequently get calls for males over standard weight, but I think little is gained and much lost by using too large males, the quality of size is transmitted more through the female than the male side, and a male much over standard size in any breed is too clumsy and lazy to fertilize germs as well as a smaller and more active one. I should expect a male from one-half pound to one pound under weight to be a better breeder than one of the same amount over weight, but I do not find the same trouble in hens, a large hen, unless over fat, will lay as fertile eggs as her smaller sister, and has the advantage of producing chicks that will be up to, or over standard weight for the breed.

Some writers object to using eggs for hatching from hens that have laid steadily all winter, claiming that the organs are overtaxed and need rest, and that the eggs will not hatch so well or that the germs will be weak. Theoretically this is correct, but in reality it does not always work. For instance I had a pullet last year, hatched March 30th that laid her first litter out by Jan. 1st, she began on her second Jan. 29th when I began to keep her record. During the next 160 days she laid about 117 eggs before taking a rest. Of about 30 of these set at home I think five only were infertile; a number died in shell as did many others during the extremely wet season, but on the average her chicks were remarkably strong

and well developed. She is a large hen, over standard weight of strong, robust constitution (which allows the egg producing organs to do steady fertile work). I have her pedigree back to four generations on one side. She is laying now right through the moulting season; her grandmother, a noted winter layer, did the same. I think pedigree breeding of noted layers of strongly fertile eggs and robust constitution go a long way to insure future fertility.

Now I have cited these cases so readers can see how fertility ran and I will try to tell how the stock was treated to obtain these results, and some things I consider essential to secure strong fertility. In speaking of winter eggs, I mentioned last winter only as it was my first season with an incubator, consequently first trial of winter eggs for hatching. In the first place, the fertility during the winter surprised me, as the stock did not have the quarters nor feed that they should have had. We built a new house where three pens were kept, and it was not finished; did not get it walled up entirely nor

last season in getting clover and this shows that hens *can* be healthy and lay fertile eggs without so much, although I think it economy, and more humane to furnish them all the variety possible. Early in the morning they were fed mixed small grains *warmed*, either oats, buckwheat, etc., or else H. O. scratching feed—latter preferred in litter, not a heavy feed, but enough to get their blood in good circulation, and the keen hunger satisfied; about 10 o'clock millet seed was scattered through the litter, or else bundle of millet was thrown in, which kept them busy until 2 o'clock when a mash was fed consisting usually of boiled potatoes, beets or turnips alternated by apples, bran, middlings, ground oats and corn or else H. O. poultry food, which is better as it contains no hulls and more of a variety, but costs a trifle more, sometimes beans, squash, pumpkin or carrots are added to the mash *and always milk if we have it*, but that is not usual with us in the winter, but I do believe that milk will help to make eggs fertile and am certain it very perceptibly increases the number.



FEEDING PEN OF WHITE PLYMOUTH ROCKS AS BRED BY U. R. FISHEL, HOPE, IND.

banked—and last winter was a particularly trying one, so changeable, thaw one day, then turn so very cold. We banked with snow as well as we could. The house was single-boarded and lined (not thoroughly) with tarred felt, shingle roof, one end had the open scratching-shed with burlap curtain facing south, and I want to say right here every poultry house I have built after this will contain these excellent health preservers for the fowls; this is a very cold climate in winter, but there was not a day last winter that the hens were not in there working and singing, and although mine has a high board floor, which is so cold on their feet that some mornings they had to hold one up under them part of the time to warm, they worked and sang and laid eggs that were fertile too. I do not advocate such treatment, but mention this to be better understood. In the case last winter it was unavoidable. There was not a frosted comb nor sick bird in that house, nor the least sign of a cold all winter.

They had very little meat food and no green food except hemlock boughs to pick at. I certainly believe in feeding meat and green food at least once a day, but I was disappointed

At night whole or cracked corn or buckwheat are usually fed, as they are heat producers. The grain is *always* warmed in cold weather. Mash is fed blood warm. I know the results would have been better in number and size of eggs, if clover and some animal food had been given daily, particularly if green cut bone had been used, but I doubt if fertility would have been raised as I consider a higher percent could not have been expected. During the summer the fowls have roomy, shady yards, liberally sodded to timothy and clover, part have free range. Young stock have free range of 20 acres, which includes the maple grove that has given this farm its name, and insures vigorous, robust constitution capable of producing fertile eggs another season. Of course, it goes without saying that plenty of sharp grit, oyster shells or cracked bone, and pure fresh water are *constantly* before the fowls and the way they make use of these shows whether or not they are needed and appreciated. Now let us consider some of the essentials of fertility. First and foremost, *well matured, healthy, vigorous stock* to begin with and constantly kept so by proper feed and care, which consists in not over nor underfeeding with plenty of exer-

cise, but remember to secure sufficient exercise in winter an abundance of room is necessary. If a hen is constantly busy and comfortable she will be in the second requisite condition, which is contented, and the third is also under the head of exercise, which is *not too fat*. If a hen exercises nearly all day she will seldom be too fat to be in good breeding condition.

I have heard it stated that the reason a fat hen's eggs will not hatch is because she does not favor the services of the male, and while I think it sometimes true, I know it is not always the case, for I have known hens overfat that mated freely, but whose eggs, what few they laid, were almost invariably infertile. I think the reason is that the fat weakens the generative organ. Kill an overfat hen and you will always find "loads" of fat all through the abdominal cavity, the ovaries and all egg producing organs as well as gizzard and bowels are smothered in fat. Is it not reasonable to suppose it weakens these organs, causing non-laying or sterile results as well as poor digestion? A very fat hen is seldom a good layer and very often does not lay at all. In the human race if too much fat is found around any organ, it weakens that organ, take the heart for instance. Why does it not apply to fowls?

I have found millet seed to be very good producer of fertility. While I do not profess to know whether millet contains chemical properties, I imagine it contains considerable albumen, but this is simply "guess-work" to produce fertility, or whether it is simply the result of the necessary exercise to secure the small seeds, but I do know that liberal feeding of it was very satisfactory in my own yards, which is my chief care. I am not sure but this last mentioned essential should have been first, *viz.*, see that the male does not have to see too many females in his cockerel year.

I hope this hastily-written and incomplete sketch may be the means of helping some one. MRS. DENTON COLE.
Winwood, Pa.

Hatching and Rearing Chickens.

The scarcity of new-laid eggs from October to February, which has been as pronounced as ever during the past winter, may be attributed to some extent to the objection on the part of the farmers, cottagers and other poultry keepers to hatch chickens until the warm weather begins. May is the favorite time with many people for setting their hens and the result is that the pullets hatched in June are not sufficiently matured to start laying before the cold and wet fall sets in. There is really no difficulty in hatching and rearing chickens early in the year, provided the stock birds are well matured and healthy. March is an excellent month in which to hatch chicks; the days have lengthened considerably, the sun has attained some strength, and the young birds have all the best of the year, in which to grow and develop. If March hatching were more universal, that almost unknown luxury—a new laid egg in November—should be readily procurable.

Those who desire early chickens in any quantity ought most certainly to avail themselves of the advantage attached to incubators. The difficulty sometimes experienced in procuring broody hens is, at once, done away with. Should the weather be frosty, the eggs that will be required for incubation must not be allowed to lie in the nest for some hours after they are laid, or fertility may become impaired. They should be collected two or three times during the day. If hens are used for sitting purposes, the bottom of the nest should be of earth. The ordinary nest-box, with a wooden floor, can be covered with sifted earth to the depth of six inches, the nest being made basin-shaped, rounded out and beaten down with the hand. The eggs are then more easily covered and the sloping sides act as support and a rest for the hen's legs, which do not become so cramped as when the nest is flat. Then hen should be let out to feed every morning for about a quarter of an hour. If she does not come off when the door is opened, she should be carefully lifted from the nest, without disturbing the eggs.

When the brood is hatched at the end of twenty-one days, the hen should be left in the nest with the chicks for the first twenty-four hours, during which they do not require food, and then she should be put in a coop and at once given a good meal of grain. The young must be carried to her and she will quickly settle down and allow them to nestle under her.

The coop must face south, and be in as sheltered a situation as possible. It must be moved frequently to prevent the ground becoming tainted and the bottom should be covered with an inch or so of dry earth or sifted ashes.

If the chicks are hatched in an incubator, they must first

be put in the drying-box till they are thoroughly dry and then transferred to the brooder. At first the brooder should be kept at a temperature of about 85 degrees, which can be reduced gradually, according to the weather, so as to accustom them to less heat. Many of the brooders are made with a warm chamber and a dry run or nursery and an outer run open to the air. An important point is to see that the ventilation of the warm chamber is satisfactory. The brooder must, on no account, be overcrowded, or the mortality will be heavy.

Many methods of feeding chickens are adopted. At first, they must be fed at least five times a day and at regular intervals. Hard-boiled eggs, chopped fine and mixed with an equal quantity of bread-crumbs is as satisfactory as anything for the first three days, then meal and middlings mixed crumbly with hot water and any of the patent poultry meals. Some chopped up grass is essential, if the chicks do not have access to a grass run. They should have grain, such as wheat, for their last meal.

Poughkeepsie, N. Y.

A. V. MEERSCH.

REMEDY FOR COLDS

What I Consider the Simplest and Most Effective Remedy For Colds in Fowls.

Colds in fowls is one of the most serious drawbacks to the poultry man. And it is a stern fact that most all flocks are more or less troubled with it. The buying of fowls for breeding purposes, or eggs for hatching is the way a good many flocks become infested with it, as many of the fowls bought for breeding have had in their past life a severe attack of cold and have been doctored up, and their offspring, unless extra precaution is taken, are sure to have colds, also many of the eggs bought for hatching have been laid by hens that in the fall of their first year have had a cold, and have been placed by their owners in the breeding pen, and by so doing many more flocks have been subject to the disease, and when once in a flock, whether introduced by buying stock or eggs, or by neglect of the poultry man, it is hard to get rid of. In the first place the saying that (an ounce of preventative is worth a pound of cure) is worthy of everyone's careful consideration, therefore I say be very careful that the fowls or eggs you buy are from parent stock that have not had a cold. But colds are not always bought. They are just as often got by our own neglect. If we have a perfectly healthy flock to start with, by a little neglect on our part we can soon have many cases of cold in our flock. But whether obtained by buying stock or eggs, or by neglect, can be got rid of by using much care and a little medicine. I will first give my preventatives. Don't make hothouse plants out of your poultry at any time of the year. What I mean by hothouse plants is, not to keep them in too warm and close quarters where they can't get sunshine, exercise and plenty of fresh air, as these are necessary to good health and a strong constitution. Have the roosting coop just warm enough that the fowl's combs won't freeze, and have a place where they can go in on cold snowy days just warm enough that with the exercise they get by scratching in the litter for their grain they can keep comfortable. Don't raise the young stock in small close coops where they sweat and steam all night and in the morning when they are let out they stand around and chill and take cold. This is the greatest preventative for cold, in my estimation. I have seen persons have a hen with a brood of twenty-five chicks in a coop two feet square. This won't do. The brood must not be too large. Twenty chicks is a great plenty with one hen, and the coop must be large enough so they have plenty of room and fresh air, and as the chicks grow give them a larger coop. Some broods are kept in too small a coop till late in the fall, till the chicks have grown to such size that they must pile on top of each other to get in the coop, and they sweat and steam all night, and come out on the cold frosty ground in the morning and take cold. As to remedies. If the fowls have taken cold through neglect or otherwise, and remedies must be used, I consider coal-oil and Conkey's Roup Cure the most simple and effective I have ever used. It is given in this way: Take some drinking fountains, according to the size of the flock, and in half of them put Conkey's Roup Cure as per directions on the box, and in the other half put two tablespoonsful of coal-oil and let the fowls take their own medicine. Don't let them have access to any other water, and I am sure the results will be gratifying.

Germantown, Ohio., R. R. No. 1.

NOAH MOYER.

For bowel troubles, paregoric in sweetened water, or camphor in a diluted form, or sweet oil, are good.



VIEWS FROM THE YARDS OF J. C. FISHEL & SON, HOPE, IND.

BROODERS AND BROODER CHICKS.

The Proper Brooding of Chicks is one of the Greatest Problems of the Present Day.

One need supplied creates another. This is the law of progression. Artificial incubation made artificial brooding a foregone conclusion. It would be impossible to find hens to care for chicks in the wholesale fashion made necessary by the hatches from the good-sized incubators. In the very early hatches, at all events, there must be found some special way of rearing the tender babies.

A brooder needs to be something more than a lamp in a box. It seems at first sight such an easy thing to construct a home-made brooder, that thousands have tried it to their cost. Well-nigh as much science is required for its successful construction as for an incubator. Many things must be taken into consideration, nature followed as closely as possible and the most favorable conditions provided, or there will be nothing but loss and disappointment.

Like the incubators, the early brooders were crude devices, that in most cases proved death-traps to the tiny nestlings, but earnest thinkers labored at the problem of artificial brooding, improvement followed improvement, until now there are

but the chief warmth should come from above. Notice that with chicks hovered by a hen, the heat all comes from her body above them.

Ample floor space is a requisite to success. A brooder claiming large capacity, yet contracted in dimensions is not constructed on the right principles. A spacious brooder is of necessity a little more expensive, but in this regard it is better to be "penny-wise than penny-foolish."

There seems to be a widespread misapprehension of the successful methods of using a brooder. The writer has received letters from widely separated parts of the country saying practically the same thing: "I can hatch the chicks all right in an incubator, but after they have been a week or ten days in the brooder they nearly all die." What is the trouble?

There are a number of possible causes. It may be the brooder. As has been already said, that while there are some scientifically made reliable brooders, which can be depended upon to raise successfully a large percentage of the chicks, there are many that are wholly disappointing. Hence the necessity for special care in the selection of a brooder.

Probably the most frequent cause of failure is the crowding of the chicks. Manufacturers have a fashion of advertising 200 chick brooders, etc., when as a fact 200 chickens cannot be successfully cared for in a single flock. Cut their figures in two, and you still have quite as many as can be reared together with any prospect of success. If you crowd them, Nature will attend to the thinning out process for you, and she is apt to do this too effectually for comfort.

Perfect cleanliness is indispensable. The use of chaff from the barn floor aids greatly in this matter. It should be changed twice a week, if the brooder is well filled with chicks. It absorbs the secretions, rendering the task of cleaning a much easier one.

The question of foods and feeding is one of the most important, yet if the other conditions are right, the kind of food does not matter quite as much. The manner and frequency of feeding have more to do with the matter than the food itself.

Most novices feed too early. The best authorities say that no food should be given for at least thirty-six hours after hatching. Just before leaving the shell, the yolk is absorbed into the system of the chick, providing it with nourishment for some little time. If food is given before this sustenance has been digested, bowel-trouble with all the results that follow in its train is apt to appear. Some say that seventy hours is none too long to keep the little fellows fasting. This seems a rather extreme estimate. From thirty-six to forty-eight hours is the safest rule to follow as the writer has found it her own experience.

Sloppy food *must* be avoided. The dryer the food the better, especially during the critical first two weeks. Fine bread crumbs mixed with a little hard boiled egg is an excellent food to begin with. The infertile eggs taken from the incubator at testing time may be thus utilized. Millet seed scattered in the runs about twice a week is good for the little fellows, who like to be kept busy. Do not keep food before the chick all the time, and do not feed oftener than four times a day. Overfeeding is fatal. Do not give them more than they will eat up clean in a reasonable time. If any happens to be left, remove it.

Fresh drinking water should be before them at all times in such a way that they cannot get into it. Some sort of a drinking fountain gives best results. A good home-made device is made of a saucer and a quart tin fruit can. Having removed the cover, punch three or four holes equally distant a quarter of an inch from the edge of the can. Fill the can with water, and invert it in the saucer. As fast as the chicks drink up the water more comes from the can. Where the boughten fountains are not available, this substitute works very satisfactorily and has the added advantage of costing nothing.

When the chicks are old enough to spend the most of the day in the run, a trough, with a board a little smaller than will fit into it with holes bored by a 3/4-inch bit, to float on the water when the trough is filled, is the best watering device we have ever found. Never let the drinking water stand in the sun. It soon becomes poisonous to all the fowl family.

A run is an indispensable adjunct to a brooder. It should be light and portable, fitting closely to the sides of the brooder. It should be covered with small mesh poultry wire to keep out larger chicks, and all enemies to the tender little ones. The chicks should not be let out of this enclosure for two or three weeks. When they are given their freedom the run should be lifted at the end or a door made, just large



BARRED ROCK HEN.

Bred and owned by B. G. Westfall, Oak Grove, Mich.

brooders so nearly perfect that it seems impossible to suggest any change. As one glances through the pages of the poultry papers, the mind fairly reels with the multiplicity of brooders offered. How can a novice choose between them?

The problem is surely a Chinese puzzle, but by keeping a few foundation facts in mind, it will be possible for even the inexperienced to select a satisfactory brooder.

In the first place a cheap brooder is almost as bad as a cheap incubator, a snare and a delusion. Eschew all that are set up on legs, leaving an open space through which the cold winds may blow at will. Such a brooder never can maintain an even temperature. The brooder floor should be at some distance above the ground, but there should be no open space below it. The outside walls of the brooder should come down to the brooder on all four sides. The covers should be overlaid with tin, well painted, making them rain and water proof.

There should also be provision for ventilation without direct drafts. No reputable manufacturer will put a brooder on the market so built that the fumes from the lamp can enter the chick chamber. There are such brooders, but they are worse than useless.

One very important point is that the brooder shall be fire-proof. Otherwise you may have fried chicken before you are ready for it. The lamp shall be a safety lamp, and in all cases when the lamp is underneath there should be a sheet of galvanized iron below the floor with an air space between, and tubes arranged to carry off all smoke and gas.

Bottom heat is contrary to nature and does not work well. Just enough of it to keep the floor dry and warm is beneficial,

enough for them to run in and out, keeping out the larger fowls. In this run they should always be fed. They will not be slow to understand this, and to consider the brooder as their warm-hearted mother and protector.

As the chicks reach the age of three weeks, more latitude may be allowed in the way of food. Cracked corn together with bran may be made into a slightly dampened mass, which should include grit and occasionally beef-meal. If they do not have access to green food this or some substitute for it should be given occasionally. Chopped onions now and then are greatly relished, and serve to keep off disease. Clabber milk made into curd is also excellent food.

The brooder places before the poultry raiser many possibilities. If hens are used as incubators a number may be set at a time and a much larger percentage of the chicks raised

The wooden mother does none of these things. If a careful hand is in charge, under her hover may always be found warmth and comfort. Shut at night safe within her protecting walls, no rats or cats or other enemies can disturb their sweet repose. They are kept in until the grass is dry, and the bright sunshine invites them out into a warm and safe world. Even should a long succession of rainy days come, window sash may make a tight, rain-proof cover to their run, so that they may still have exercise and a change of air.

It is not necessary to speak at length of the labor-saving all this implies. Should a sudden storm come up, every chick will tuck himself away within the bosom of his artificial mother, safe and warm and dry. They will also put themselves to bed at the proper time and only need to have the outer doors closed to be snug and protected through the hours



First Prize
Buff Wyandotte Cock
New York & Boston 1905
Property of
A. C. Hawkins
Lancaster Mass.

FIRST PRIZE BUFF WYANDOTTE COCK AT NEW YORK AND BOSTON, JANUARY, 1905, OWNED BY A. C. HAWKINS, LANCASTER, MASS.

by putting them, when hatched into a brooder. It also makes possible, in conjunction with the incubator, the early broilers which bring the fancy prices.

It is a fact that hens are not satisfactory as mothers. There are all kinds of hens, and there is little dependence to be placed upon their notions. Unless shut in a coop, the hen always drags her chicks out in the early morning, whether the grass is drenched with dew or not. She is evidently a believer in the early worm, but she is apt to lose half of her chickens as a result of her persistent search for that elusive creature. If she is allowed her freedom, she will take her brood into all sorts of dangerous places; rat-infested nooks; among the hogs to tempt their swinish souls with a toothsome morsel in the shape of her babies. If a storm is coming up, the last place she thinks of is her coop, but sits down to hover them where perhaps a river of water will soon drown them, or at least chill them and cause their death.

of darkness.

To sum it all up, personal experience warrants the assertion that with a good brooder cared for properly and with due attention to feeding 90 percent of the chicks may be raised in a brooder, where we could not expect over 50 percent with hens. Add to this the steps saved, the anxiety eliminated and the argument comes out triumphantly in favor of the brooder. The time is coming when the artificial mother will have its recognized place in every poultry yard.

Rochester, Ill.

MRS. S. B. TITTERINGTON.

Now, having decided what we will do, the next question is, how will we do it? Here we must be very careful. We do not want to make the common errors, for any man starting under the conditions governing our correspondent will make some mistakes. The thing to do is to make as few mistakes as possible.

American Poultry Journal

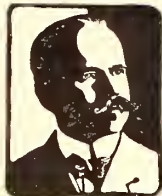
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Look at the date upon your wrapper. Many subscribers write to ask when their subscription expires and many complain because we discontinue sending the JOURNAL at the expiration of the time for which it is paid. The date when your subscription expires is found on the wrapper each month.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide circulation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country. Advertising rates are sent upon request.

40,000 A. P. J.'s for March, 1905.

State of Illinois, County of Cook, ss.

Chicago, Feb. 23, 1905.
James W. Bell, manager of the Recorder Publishing Company, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding forty thousand copies of the March, 1905, issue.

JAMES W. BELL.

Subscribed and sworn to before me this 23d day of February, 1905.

BLANCHE ELDER EDDY,
Notary Public.

GUARANTEED SUBSCRIBERS.

To our subscribers the display advertisers of the American Poultry Journal are guaranteed; that is, if any advertiser using display space in these columns is proved to be a swindler, the American Poultry Journal will make good to the subscriber the amount lost. We do not guarantee that men in good standing shall agree in their opinions; we do not guarantee nature against infertile eggs, but we do agree that in case a downright swindler succeeds in swindling a subscriber, we will reimburse that subscriber and publish the rascality of the swindler. We ask, in consideration of this guarantee, that our subscribers, when writing to an American Poultry Journal advertiser, say, in every case, "Saw your ad in the American Poultry Journal." In no case will this be to your disadvantage, while in many cases it may serve you well. In either event we shall be obliged to you.

Further Delay in Issuing the Standard.

At the St. Louis meeting of the American Poultry Association, action was taken which seemed to assure to the public the new Standard not later than March 1. At the association's annual meeting at Minneapolis in January, the Buckeyes and the Rose Comb Rhode Island Reds, under the name of American Reds, were admitted to the Standard; and the committee on publication instructed to have the standards of the two new breeds included in the new book. The committee met promptly for that purpose. A notice now comes to us from the secretary, stating an extra session of the Association has been petitioned for by a constitutional number of the executive committee, and that the president has appointed April 4 as the time and Pittsburg, Pa., as the

place of meeting. As this extra meeting is for the purpose of reconsidering the action of the Minneapolis meeting in admitting the Rose Comb Rhode Island Reds under the name of American Reds, it can be seen the new Standard cannot be given to the public until after that date. This delay is to be regretted.

The New Variety.

Several matters of interest are now transpiring in the poultry field of interest to fanciers. Whatever may be the contention regarding the value and usefulness of the American Poultry Association to the world of breeders at large, the fact remains that it furnishes right along so much material for discussion that it certainly accomplishes the useful purpose of keeping matters pertaining to the poultryman stirred up in the most effective manner.

At the recent meeting of the Association in Minneapolis—it is now a matter of history—two new varieties were admitted to the Standard. One variety, which will hereafter be known as the Buckeyes, and the other variety admitted as American Reds. The American Reds have been known and bred previously as Rose Comb Rhode Island Reds. The Single Comb Rhode Island Reds have for some time been a Standard variety. There was no objection made at Minneapolis to the admission of the Rhode Island Reds as American Reds, and they now exist as a Standard variety, and will so stand, unless through the wisdom of a majority of the American Poultry Association, the Minneapolis action be reversed, and the work done over again. After the Minneapolis meeting opposition developed to the American Reds remaining a Standard variety and being admitted to the new Standard, under that name, and a protest has been made. The constitutional number of the executive committee have petitioned for an extra meeting, and the President of the American Poultry Association has appointed such meeting to be held April 4 at Pittsburg to reconsider the matter. The forces of both sides are now lined up for a battle.

It is to be regretted that this controversy occurs at this time, for the considering of this matter will entail further delay in completing the new Standard, but we trust that the wisdom of the majority will so prevail that the matter be decided quickly either one way or the other. One fact very apparent in all this controversy is that no variety of fowls petitioning for admission ever received more publicity, and we may confidently expect to see large classes of the Reds, under whatever name may be decided for them, occupying prominent positions in the show rooms next winter.

League of New England Poultry Associations.

An item of interest to breeders is the formation of the League of New England Poultry Associations. This took form during the recent Boston Show and resulted in a convention of representatives of local poultry associations of New England, held Jan. 18, at Boston. A similar convention will be held one year from that date, and it is expected that every New England Poultry Association will be included in the league.

The object of this league is to pro-

mote good fellowship among the poultry men of New England and to serve the interests of the Poultry Association in any way in which they may be helped by coöperative efforts. Each local poultry association will be a unit of membership, instead of individual breeders. It was distinctly and repeatedly stated during the progress of the convention that this league will not be conducted in opposition to American Poultry Association, and is not to be considered in any way as a rival of it, and those in attendance, active in its organization, were firm in their intention of opposing the movement if the new society was an organization to oppose or supplant the American Poultry Association.

If this is possible in the New England States, why is it not possible in other sections of the country? Such leagues cannot help but stimulate the interest in poultry matters and benefit every association that would become a member.

Chicago Show Awards.

AMERICAN POULTRY JOURNAL assumes no responsibility for the correctness of show awards, although using every endeavor to have everything that it publishes in this line as nearly correct as possible. We published the awards of the Chicago Show held Jan. 23 to 28, 1905, taking same from the marked catalogue issued by the Association. It has been discovered that there were some errors and omissions in this. We are again publishing this list of awards in another column of this issue, which has been checked up and corrected from the original books of entry of the Association, and the shape in which it is now presented to our readers is, we trust, absolutely perfect and correct.

We are indebted to the Sydney, (Australia) Daily Telegraph for December 27, from which we quote the position of the American hens in the International contest. The Rose Comb Brown Leghorns are still at fifth place; Mr. Howell, whose Silver Wyandottes won so largely last year, has had to see his pen in the present contest drop to second place; a new name, that of Brierley, and White Leghorns are at the top with 916 eggs to their credit for the nine months; Black Orpingtons stand third; the Golden Dottes, which held the top so long, have dropped to sixth place. American Rose Comb White Leghorns stand seventh; Oceanside White Wyandottes have climbed to eleventh position. Much to the sorrow of Red fanciers, the American Reds have dropped to seventeenth. Our White Rocks are sixteenth in line and the Silver Pencilled Dottes stand eightieth.

* * *

The Southern Poultry Courier for February tells of a beautiful sunny, southern Georgia poultry farm named "The Oaks," and to read of it makes one's mind wonder. Among the nice things about the South at this season is the fact that southerners go about their work in their shirt sleeves, while we bundle up so tightly to keep warm, that that work seems almost impossible. Green feed for breeding pens is obtainable the year round. The writer in the Courier says that their early seasons give them an advantage over us as regards big early chicks—all true enough—

but why do not southern breeders show at our large fall fairs and get a slice of the prize-money? There is room for another showman or two at the circuit of big state fairs if they do have an advantage over us.

State aid for the poultry industry is getting to be real fashionable. Nebraska, Kansas, Iowa and Illinois get regular appropriations and Mississippi, Missouri, Minnesota and Colorado want help. Missouri has joined hands—that is, the two factions, the North and South branches of the State association have got together and are now working for the appropriation. For two years they have been at sword's points, but now all is ended. They will get the state aid now that they have gone at it right—and any other state association could do as well as those who get help, if they would work together. It's the continual pounding for the money that gets it.

They do talk in Red circles!
What about?

Why, concerning the Rose Comb Reds and their admission as American Reds to the new Standard at Minneapolis! They were admitted to the Standard—and now the wrangle will begin. The "committee of five" will draft a stand-

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Royal Rocks

(Barred, White, Buff)

AND

White Wyandottes

are America's Very Best are line bred from America's greatest sires and champions and excelled by none

Every bird guaranteed to please or it can be returned at once at my expense, in good condition, and money cheerfully refunded.

Eggs guaranteed 75 per cent. fertile and will replace infertile ones free should they prove more than 25 per cent. clear

H. P. RANKIN
HARTINGTON, NEB.

Box 61

ard for them and also for the famous "Buckeyes" from Ohio. Will this new standard for the Rose Comb Reds be identical with that for the Single Combs? This is what down east Red fanciers are saying among themselves. The controversy will boom the breed indeed, and if it comes out right in the end all's well. Some contend that the Rose Combs are not legally entitled to be admitted. We shall see, brethren, some things doing in the Red alley!

Professor Greeley, C. S. Green and Professor Hoverstadt are the only living witnesses to the fact that one Walter Hogan selected from the flocks of the experiment station at Crookston, Minn., those hens which were layers, the poorer layers and the non-layers! By their works he proved his theory and now a publishing company will soon give to the facts and "how" of the system. Trap-nests will have to fly to tall timber and their champions take to the weeds. Give us the formula, oh men of the hen knowledge, we need it in our work and are willing to pay for it!

Partridge Wyandottes are on the boom across the pond. Miss C. Rilots' \$825 cockerel is the subject of conversation in English Partridge Wyandotte circles. The cockerel they fancy over there is too long backed and lanky to suit us—according to his sketch by Andrews. He won a first at the Dairy, the club show, the International and Bedford, as well as three cups. The latter seem to be more highly prized in England than here. Well, he's worth the hundred sixty-five pounds even to boom the breed.

It is a wonder that more pupils are not found on large and small poultry farms. Nearly every farm in the "old country" has its pupils who agree to serve their apprenticeship for so long in return for instruction given. This makes it easier on the working foreman and increases the number of fanciers and poultry breeders. And, after all, what we are striving for is an increased interest in good fowls.

The Minnesota State Poultry Association is right up-to-the-hour in down-to-dateness—eh? Beautiful colored covers for both premium list and marked catalogues! Those men know how to do things and to entertain is not the least of their accomplishments. All report a splendid time at Minneapolis. That's the kind of talk that really does the association good.

Mr. Geo. M. Dewey of Missouri, won the far famed Ivory Soap Silver Cup for the whitest bird on exhibition at the late Missouri state show. Nearly 400 white birds competed for the cup. This is a beauty and worth \$25 of any man's coin. Why do not more secretaries of the big show associations "get after" the soap people for cups to be offered at their shows?

Englishmen are waking to the value of the specialty club's year-book. There are specialty clubs which are giving much attention to the American varieties in England, and strange to say, these are the clubs which are the most progressive! Clubs for the promotion of Buff Rocks, White Wyandottes, Partridge Wyandottes, Silver Penciled Wyandottes

PROFIT IN EVERY PACKAGE



O. K. MAKES POULTRY PAY

O. K. Poultry Food is the greatest egg-maker known. It keeps fowls healthy and active, and by invigorating the system puts it in shape for increased egg-production. It is a pure, guaranteed conditioner—in other words it furnishes the elements needed to put the physical and egg-making organism in perfect condition. The digestive organs are assisted, the vitality increased and your hens look better, feel better, grow better, and lay better. Instead of scrawny specimens, which are too weak and worried to lay, or overfed fowls, which are too fat and lazy to do so, you may just as well have a fine flock of feathered beauties piling up profits in the shape of eggs and meat. Why not begin feeding

O. K. POULTRY FOOD

and make your poultry pay? O. K. Poultry Food cures Gapes, Roup, Cholera, Indigestion, Leg Weakness, Diarrhea and all kindred diseases—promotes growth and development in young fowls. We prove our claims by the experience of our customers. Witness the following:

Blue Island, Ill., Jan. 16, 1905.
The O. K. Stock Food Co.,
Monon Bldg., Chicago.

Gentlemen:—I take pleasure in saying that I have used your O. K. Poultry Food for three seasons and after having had experience with several other makes, have decided that your brand is superior to anything else offered in this market, and have for the last two years used it exclusively. I am very well pleased with the results obtained as my fowls are in the "pink" of condition and certainly produce eggs in larger quantity than when I undertook to do without any food of this character.

You are welcome to use my name and endorsement at all times.

Yours very truly,
(Signed) J. CUNNINGHAM.

Breeder of Rhode Island Reds.

Write for booklet. Sent free.

O. K. Stock Food Co., 408 Monon Bldg., Chicago

dottes and Barred Rocks have made great strides in the last year or two.

* * *

An advertiser in the Egg Reporter laughs in glee over the fact that last April's eggs sold in January at 22c. He says, "Prepare to buy the spring's crop accordingly." We are sorry for him who has thus to eat poor eggs and help the commission men and speculators to get rich.

* * *

Mr. Geo. E. Howard has purchased an interest in J. H. Drevestadt's American Fancier, and beginning with the March issues it will be issued from the office of The Feather at Washington. The Fancier will be the weekly edition of The Feather.

* * *

The American Fancier is to take another flight and this time to Washington, D. C., where it will be the weekly edition of The Feather. We hope this will be a more congenial move than its late one down into the region of Indianapolis.

* * *

The "Buckeyes" are now a Standard variety and Mrs. Metcalf's work turned the trick. More women like her are needed in the fancy.

—o—

An observing poultryman says that birds cannot open the foot when the leg is bent. That is the reason they do not fall off their perches. If you watch a hen walking, you will notice that it closes its foot as it raises the foot, and opens them as it touches the ground.

PROGRESS ON THE NEW ILLUSTRATED STANDARD.

The Publication Committee met at Buffalo, N. Y., Feb. 13, 1905. All five members of the committee were present.

Chairman Kimmey announced that we were called together to complete our work by preparing for the new book the standards adopted for American Reds and Buckeyes, as ordered by the annual meeting at Minneapolis, when these two varieties were admitted to the standard.

No serious difficulty was encountered in arranging for the Standard of the Buckeyes.

On taking up the American Reds it was found that the two members of the committee who did not attend the Minneapolis meeting were unalterably opposed to publishing the standard adopted at Minneapolis for this variety. One insisted that this standard, differing in shape, color and weight-points from that adopted at Rochester for Single Comb Rhode Island Reds, would shut out the Rose Comb Rhode Island Reds, which he claimed we had no right to do. The other member insisted that the admission of the American Reds at Minneapolis was illegal, and that this committee must not publish this standard until the whole matter has been reconsidered by a special meeting of the Association, to be called for that purpose.

At this time there was placed in the hands of the president of the American Poultry Association, who is also a member of this publication committee, the following petition:

Mr. D. Lincoln Orr, President of the American Poultry Association:

We, the undersigned members of the Executive Committee, do hereby petition

you, under Article I, Section 1, of the By-Laws, to have a special meeting of the Association called at your convenience, to reconsider the action of the Association in admitting, at the meeting at Minneapolis, Minn., birds to the American standard of excellence under the name of American Reds.

Signed,

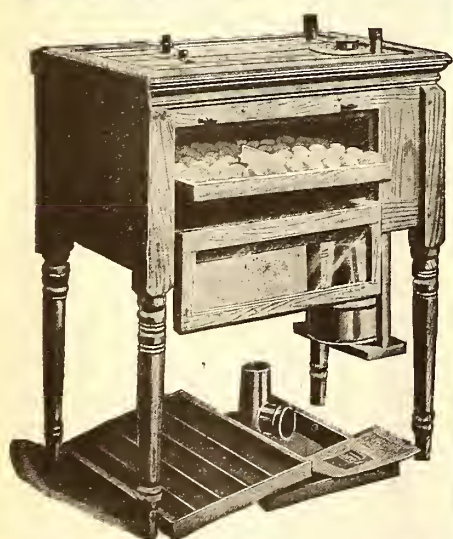
ARTHUR R. SHARP,
A. E. FELCH,
LESTER TOMPKINS,
GRANT M. CURTIS,
C. H. LATHAM.

The president expressed great regret that this action should be taken at this time. He said that the responsibility for thus delaying beyond March the issuing of the New Standard must be borne by those who refuse to allow the instructions of the Minneapolis meeting to be carried out, and by those who thus called this meeting; but he felt that he must comply with the provisions of the By-Laws and call said meeting. He therefore instructed the secretary to call a special meeting of the American Poultry Association at Pittsburg, Pa., Tuesday morning, April 4, 1905, at a place to be hereafter arranged for by the secretary, who shall give thirty days notice thereof by mail to members of the Association.

Some rather warm discussions were indulged in upon the matter in hand, but the only action that could be agreed upon under the circumstances was to arrange the Standard for American Reds, adopted at Minneapolis, so that it shall be consistent with the other portions of the New Standard, and have it ready to present at the Pittsburg meeting. This was done.

From reports submitted, it was shown that the art work on the New Standard,

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"It does the work;" "Sets the neighbors talking;" "Best results with least trouble;" "Works to perfection;" "Best of all makes;" "Want more of the same kind." Hundreds of letters voicing such sentiments indicate what users think of the

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The best judge of what a machine is and what it will do is the person who has used it. The increased sales from 20 machines the first year to 20,000 in 1903 have mostly been built on the personal endorsement of users of *Prairie State Incubators and Brooders*. The construction and the ease of operation of the machines are the result of constant study and improvement, and make the *Prairie State* the most profitable machines the poultry-raiser can buy. Used exclusively by the U. S. Government on its experimental farms. Endorsed by the largest poultrymen in this and foreign countries.

Write for a copy of our beautifully illustrated catalogue before you buy—it's free. You ought to know all about the *Prairie State*—winners of 385 first prizes.

PRAIRIE STATE INCUBATOR COMPANY, Box 468, HOMER CITY, PA.

for which we have been waiting, can be completed in about three weeks.

By order of the Publication Committee.
T. E. ORR, Sec'y.

Beaver, Pa., Feb. 16, 1905.

POULTRY RAISING IN EAST TENNESSEE.

The great midland state of Tennessee, extending from Grandfather mountain in the "Great Smoky" section of the Appalachian range to the Mississippi river, and touching eight states on its borders, is like Ancient Gaul, divided into three parts, east, middle and west Tennessee.

East Tennessee is the highland section out of which flow numerous rivers all combining to form the "Tennessee" one of the chief tributaries of the Mississippi. In the early days of pioneer emigration to the west from the older states on the Atlantic seaboard, the hardy sons of Virginia, North Carolina and Pennsylvania climbed over the rugged Alleghenies and set up log cabins on the head waters of these swiftly flowing streams and took possession of the Indian hunting grounds in these romantic valleys.

In all these cabin homes as well as the more stately mansions that went up in after years for the wealthy planters, the domestic fowls were cared for, though wild animals sometimes made sad havoc in the pioneer poultry yard. As far back as memory serves the writer, the rural citizen has found a market for eggs with the merchant and the visiting clergyman in the homes of the people seldom failed to be fed on fried chicken.

When the railroad from the east came down the winding valley of the "Holston" and opened a market in Georgia as well as in old Virginia, grown up chickens began to go out of these hills to the great cities east and west. Eggs and fryers also go the same way now in carload lots. At every railroad station and village store, chickens and eggs are current with the merchant at popular prices.

A great multitude of farmers' wives, sons and daughters are now raising poultry and carrying the products of their labor to the nearby store where food and raiment are dealt out by the obliging merchant. As old time farming of large fields and the fattening of great porkers for "Southern" cotton farmers has shifted to the west, the small farmers of east Tennessee find poultry raising a paying enterprise, and the industry is taking on new interest every year. So it is quite common to see some kind of poultry plant set up by the rich and poor according to taste, leisure or financial ability.

The introduction of modern methods and the establishing of expensive plants for this business exclusively is confined to the cities or larger towns. Poultry barns, wire fencing and incubators for hatching purposes are not common among the country people.

Yet your readers must not suppose that we have nothing but the swift-runners and high flyers of the old-time barnyard fowls which were so hard to get when wanted for the company dinner. There is a mixture of "standard" breeds and all kinds have the freedom of the grain fields and the woodland.

also a chance at the grain in the barn.

The country housekeeper must have the Leghorns for eggs and the Cochins, Langshans, or other large fowls for the table and for market. They swap eggs for a change like boys used to swap marbles at school.

The people are generally natives, born and raised in Tennessee or adjoining states east, very few are foreign born or natives of Northern states. There is a fair prospect of improvement in this industry with the incoming of expert poultry raisers with capital, energy and experience. Many farmers are poor and burdened with debt, owing to adverse conditions of the years when grain fields west attracted the sons of east Tennessee to distant states. Mines of iron, coal, copper, zinc and lead are now bringing new laborers, and growing cities with factories are building up, so that poultry products as well as gardens and fields will be more profitable than in the past.

This is a proper field for the POULTRY JOURNAL. Every home needs such papers. Even the school children can appreciate and be benefited by instructions in poultry raising. The city poultry keeper has different surroundings, but general principles apply to both town and country. Come out, Mr. Editor, from month to month, and speak to the country homes of biddy and her work.

J. R. PAYNE.

Washington College, Tenn.

If we are on the lookout for symptoms, and promptly doctor them, we will have little occasion to treat disease.

LEARN

TO RAISE

POULTRY



If you raise poultry, "do it right." Make it pay as it should. Learn to avoid costly mistakes. Conduct your yard, large or small, on established, money-making principles. Poultry Culture can be made to pay bigger dividends in proportion to investment of time and money than any other branch of farm industry. It offers equal opportunities to women and men.

Complete success comes with thorough preparation. Our correspondence course of instruction will make you an expert. The lessons are sent regularly to your home. The benefits are immediate. Each student is taught individually. You can begin any time. **Now is the best time.** Our teaching is an unqualified success.

We make a business of placing graduates in good paying positions. No charge for the service. Many fine positions open at present. Qualify yourself for one of them.

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Cause of this Disease and Treatment—
Prevention Better than Cure.

During the winter months this department is flooded with letters from all parts of the country asking what ails the chickens and giving symptoms of the disease. Fully 50 per cent can be answered with the one word "Roup." Therefore, for the benefit of those we give herewith, a few extracts from Dr. Salmon's book, "Diseases of Poultry," which we believe will be a great help to the amateur. There are several kinds of roup, and to begin with we will take what is known as contagious catarrh.

Dr. Salmon, in writing on this subject says: "Although much has been written upon the subject of roup, the scientific studies of the disease have been incomplete and there is still much difference of opinion as to its nature. It is particularly difficult, from present knowledge, to say positively whether contagious catarrh and diphtheria are essentially one and the same disease or whether they constitute distinct and unrelated plagues."

At present it seems to be the accepted theory that they are two distinct diseases, rather than two forms of the same disease.

The early symptoms of contagious catarrh can not be clearly distinguished from those of simple catarrh, though the dullness and prostration are usually greater and there is often a peculiar offensive odor, which are valuable points to aid in reaching a decision. There is

at first a thin, watery discharge from the nostrils with some obstruction to breathing from swelling of the mucous membrane. The discharge soon becomes thicker and more sticky or glutinous, causing the affected birds to sneeze and shake their heads in an effort to free the air passages. The subjects are dull, quiet, without much appetite and more or less feverish. The plumage is rough, the wings pendant, the comb and wattles dark red.

"As the disease advances, the inflammation extends from the mucous membrane of the nostrils along the internal surface of the passage connecting the nostrils with the orbital space or cavity surrounding the eyes. The orbital space in birds is relatively very large and has an angular projection towards the front of the beak. There is, consequently, considerable space between the eye-ball and the bony walls surrounding it, which is known as the orbital space or orbital sinus. This space is lined with a mucous membrane which is continuous with that of the nostrils and in such close relations with it that an inflammatory process readily extends from one to the other. Very often in roup this membrane is inflamed throughout these passages, and the process is so acute that the surface becomes eroded and ulcerated. The secretion, instead of remaining fluid as in simple catarrh, changes at this period, is abundant, thick, yellowish, purulent, and cheesy. This secretion accumulates and obstructs the passages. It forms around the eye and forces the eye-ball out of the socket and at the same time collects under the eyelids or on the corner, sometimes simulat-

ing a false membrane. It, also, plugs the nasal passages, presses down the palate, obstructs the breathing and may prevent swallowing.

"The affected birds in the advanced stages of the disease present a most miserable appearance. The beak is kept open in order to breathe, the sight is destroyed by inflammatory products, the eyes are often closed and bulging from the head, the breathing is very difficult, a thick, sticky discharge escapes from the nostrils, the subjects are emaciated, prostrated, sleepy and perhaps unconscious. When these severe symptoms appear, the strength is soon exhausted and death follows.

"Contagious catarrh spreads rapidly through a flock, affecting the greater parts of the birds and causing the death of a variable proportion, according to the virulence of the contagion. It is always a very serious disease and is difficult to eradicate.

"That roup is a contagious disease admits of no question. Its origin in a flock can frequently be traced to the introduction of a bird from some other premises where the disease exists. Often it is contracted by exposure to affected birds at shows, or to the contagion clinging to coops, houses or infected runs. Many writers teach that roup may originate from exposure to colds or draughts of air. This prevalent opinion is probably accounted for by the fact that the first stages of roup are almost identical in their symptoms with simple catarrh or common cold. It is not likely, however, that such exposure is sufficient to produce roup. Contagious diseases are caused by parasites each

IS SHE LOAFING



HOW TO TELL

Every poultryman realizes the great saving in time, money and feed that would result if he could only tell which hens in

IS SHE LAYING



his flock are the paying hens—the layers, and which are the drones—non-layers. It would enable him to stop the biggest leak in poultry culture and pile up profit instead of loss. How can it be done? We tell you how and guarantee not only to teach you to select the layers, but how to select the cockerels that will breed the best layers—the pullets that will lay the earliest and the most eggs by

The Walter Hogan System of Selection

Think what a great advantage this affords. It is a discovery resulting from 35 years of study and experimenting, and has lately been tested by practical poultrymen and pronounced an unqualified success. A recent test at the Minnesota Experiment Station by Mr. Hogan proves the reliability of his system. He divided the fowls into three pens, the best, the medium and the poor. In a 15 day test pen No. 1 averaged 50½ eggs per day; pen No. 2, 37 eggs, and pen No. 3 did not lay an egg. It is easy to learn—we guarantee you can do equally as well with a little practice. Can you afford to continue wasting time and feed on non-producing hens?—it's like throwing money away. Change loss into profit by learning this system and earn money selecting for others. If we fail to teach you it won't cost you a cent. Full particulars and proof free.

The Walter Hogan Co., 17 Nat'l Bank Bldg., Fergus Falls, Minn.



specific disease having its particular species of animal or vegetable life to call it into existence, and without its particular parasite the disease cannot be developed.

"The measures to be adopted for the prevention of roup are the same as for other contagious diseases. Exclude the contagion by every means that can be devised. Do not allow poultry, animals or men to come directly from an infected premises to a healthy flock. Be careful in buying new birds, and these as well as all birds that have been to shows should be isolated two or three weeks until their healthfulness is demonstrated.

"Medical treatment may be undertaken with good chances of success, but requires time and constant attention. Whether it will pay, depends upon the value of the birds and of the services of the party who cares for them. Antiseptic and healing applications are indicated to the interior of the nostrils, the cleft of the palate, the eye, and other affected parts. If swellings containing thick pus or cheesy matter form upon



B. B. RED GAME.

First cockerel Chicago Show, owned by H. D. Schreiter, Darlington, Wis.

the head, they should be opened with a sharp instrument, the contents removed and the wound treated with antiseptics. Antiseptic powders are convenient for treating the wounds caused in such operations. Among these iodoform and aristol are the best. The wound may be kept filled with either of these powders until it is healed. The antiseptic solutions may be injected into the nostrils or into the cleft in the roof of the mouth which communicates with the nostrils, by using a small syringe, a medicine dropper, or even an oil can, such as is used for oiling machinery. A syringe, is, of course, the best. The solutions most suited are boric acid, fifteen grains to the ounce of water; carbolic acid or creolin in the two per cent solution, peroxide of hydrogen diluted with an equal quantity of water; permanganate of potash one grain to the ounce; or sulphate of copper 5 grains to the ounce. Some persons have reported great success from the use of coal oil (kerosene) either pure or diluted with equal parts of olive oil. Some have

IMPORTANT NOTICE To Incubator Buyers.

Unquestionably the incubator that is exciting the greatest stir today among poultry raisers is the pay-for-itself

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The incubator sold on 40 days trial under a 5 year guarantee at Johnson's rock-bottom, anti-combination price.

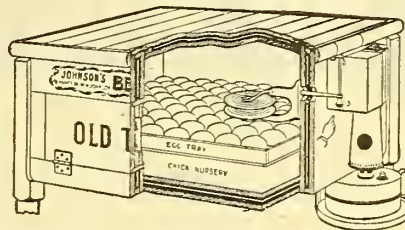
As a poultry raiser you owe it to yourself to investigate this proposition. It costs you nothing to try an Old Trusty and it beats the world as a hatcher and money-maker.

About Johnson.

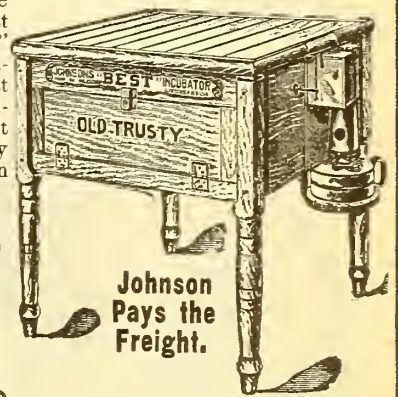
Johnson is the Clay Center Incubator man who has built thousands of incubators and sold them to satisfied users. He has had 12 years experience and knows how. He was a pioneer in selling incubators at low prices and on free trial. He has more personal friends scattered over the country than any man we know of. The preachers, the lawyers, the business men of Clay Center all say that he is an "upright business man, commanding the confidence of other business men and abundantly able and willing to make good all promises to his patrons." Last year, the first year that "Old Trusty" was on the market, he sold 13,000 machines—breaking all records for the first year. He did it because he has an unusually good machine, which he sells at a right price, and because, the poultry raisers of America know that Johnson will give them a fair deal.

About Old Trusty.

Is made of selected California red wood and 12 oz. cold rolled copper; Miller safety lamp; Taylor Bros. guaranteed thermometer; double walls top bottom and side; double doors; two dead air spaces, sides and bottom, automatic regulator and patent copper hot-water heating system. Boiler fitted with patent return hood which saves half the oil; draughts do not affect the lamp. Take a good look at the picture.



Here's a sectional view. Note position of regulator and three walls all round.



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Freight.

"Old Trusty" is built on Johnson's plans after 12 years experience. It is sold at a live-and-let-live price. It is guaranteed for five years and you get

40 DAYS FREE TRIAL.

Don't confuse "Old Trusty" with any other machine. Don't confuse our company with any other. Don't be fooled by mud-slinging. Get an "Old Trusty" on trial and see for yourself what it will do. It's the great pay-for-itself hatcher—with later improvements than any other incubator on the market. And don't forget the price is right

Old Trusty Brooder.

Made of best California redwood, never shrinks, swells or pulls apart at joints. Miller Safety Lamp in solid iron lamp box, no gas can enter chick chamber. Inclined floor prevents chicks from piling up. Enough heat under floor to take chill off. Note the hover cloth frame, partly withdrawn. Chicks hover under cloth warmed from above. Chick backs are warmed and sleepy nerves soothed the natural way. Chicks don't pile up, chill or become overheated.

Send for the Book.

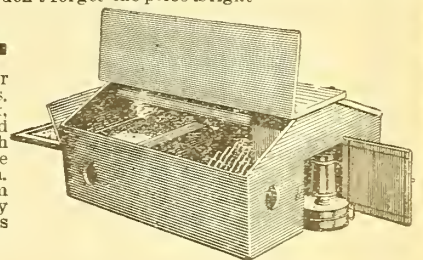
100 pages, 300 illustrations and chuckfull of poultry advice. It's free.

M. M. Johnson, Clay Center, Nebraska.

"The Patriot," Clay Center, Neb., says: "Here at home it is not necessary to speak a word of commendation for M. M. Johnson. The business men of his home town know that the cause of his success is to be found in his own sterling honesty and in the excellent quality of his machines."

The Homemaker, Des Moines, Iowa, says: "The people have found they can trust Johnson. He has the faculty for telling the truth."

Farm & Home, Springfield Mass., says: "He is as honest as the day is long."



had excellent results with a five per cent solution of sulphate of copper injected into the nostrils, the cleft of the palate, the affected eyes and the wounds made in removing purulent collections from the sinus in front of the eyes. This solution appears rather strong and should be used at first with care and in an experimental way until its effects are seen. When the head shows signs of considerable inflammation it may be anointed with sweet (olive) oil, vaseline, or equal parts of sweet oil and coal oil.

"In selecting from the remedies mentioned, it is well to begin with the milder ones, such as boric acid, peroxide of hydrogen or carbolic acid. Keep the birds comfortable and free from draughts of air. Give stimulating and easily digested food containing a small proportion of meat scrap.

"It is important to dispose of the carcasses of dead birds promptly by burning or deep burial."

DIPHThERITIC ROUP.

In writing of this form of roup Dr. Salmon says: "One of the most prevalent and destructive diseases is diphtheria of birds or diphtheritic roup. While some writers are of the opinion that contagious catarrh and diphtheria are caused by the same species of bacillus, differing only in the degree of virulence, the fact that in extensive outbreaks of the former disease there are apparently no diphtheria membranes to be found, bears strongly against this theory and makes it desirable, at least for the present, to describe these different forms of disease separately.

"The diphtheria of birds is a

contagious disease which affects the mucous membranes of the nasal passages, the eyes, the mouth, the pharynx, and larynx, and which may extend to the trachea, the bronchi, the air-sacs, the intestines and perhaps to other abdominal organs. The disease is characterized by a grayish-yellow fibrinous exudate, called a *false membrane*, which forms upon the mucous



BARRED P. ROCK COCKEREL.

Bred and owned by John Culbert, Braceville, Ill.

surface of the parts mentioned. This exudate is intimately attached to the living tissues, so that when it is forcibly removed, a raw, bleeding surface may be left. Its formation may be so abundant as to obstruct the passages through which the air is drawn into the lungs. The appearance of the diseased parts bears a close resemblance to what

is seen in human diphtheria, but the bacillus which is believed to cause ovian diphtheria is quite distinct from that which causes the diphtheria in children and it is therefore concluded that the diphtheria of mankind and that of birds are entirely different diseases.

SYMPTOMS.

"When first attacked the affected birds present the symptoms of common cold or catarrh. There is a watery secretion from the nostrils and often from the eyes, with general weakness and prostration greater than would be expected from simple catarrh. The birds sit with the back arched, the head and neck drawn down towards the body, the plumage roughened, the respiration is more or less obstructed, rapid, audible and strident; the vision is impaired and swallowing is difficult. There is frequent shaking of the head, sneezing and expectoration of mucous secretions. If the mouth is examined at this early period the tongue is found to be pale, while small grayish spots, shaded with black, and slightly projecting above the surface are seen along the border, the upper surface or at the base.

"The following day the condition is aggravated, the temperature is several degrees above the normal, the appetite has disappeared, and there is diarrhoea with greenish or yellowish evacuations. From the open beak there escapes a thick stringy, grayish mucus. The eyes are unnaturally dilated, projecting and partly covered with the thick secretion which has accumulated between the lids. The nostrils are obstructed by the thickened and dried secretion. Walking is irregular and difficult. The mucous



SHE LAYS AND PAYS

The healthy hen is a prosperous, happy hen and pays well for her keeping. She lays and pays. But the lousy, tortured, tormented hen is a loafer from necessity—not from choice. She spends her time trying to rid herself of the tormentors that sap her vitality and leave her no power to produce eggs. The egg-producing functions of the hen are closely connected with her nervous system, and are quickly deranged when the nerve centers are attacked or weakened in any way. To prevent this and to keep your fowls healthy and contented, and in a proper condition to do their best in a natural way, use

Lee's Lice Killer

A liquid preparation of agreeable odor, easy to apply—does not require the greasing or handling of the hen. You can spray it or paint it on roosts, nests and walls. It quickly kills lice and mites either by contact or by its powerful penetrating vapor. Will not hurt birds, chicks, eggs or plumage, when used as directed. Increases your egg-production, promotes health, and pays in every way—the most effective lice killer known. **Lee's Lice Killer** is a necessity to every poultryman. The setting hen sets satisfied when she is free from lice and mites, and she will bring off a bigger, better, healthier hatch every time.

Our 1905 Calendar and Egg-Record—a valuable book full of poultry helps and hints, useful every day in the year—sent free. Write for one today.

Geo. H. Lee Co., Box 91, Omaha, Neb.

SHE SETS SATISFIED



membrane of the mouth and pharynx is red, congested, inflamed and shows numerous dark red elevations covered with fibrinous exudate. The patches on the tongue have increased in size. They are gray in color, dried along the edges of the tongue but soft and flattened upon its surface and are covered with membranous deposits. The voice often fails.

"The third, fourth and fifth day the whole interior of the mouth may be

a five per cent solution of carbolic acid about once a month, and where the disease has made its appearance this solution should be used once a week until all traces of the disease has disappeared.

The prevention of diphtheria is more successful than its cure, but where the disease does make its appearance the sick birds should be removed at once and placed in a warm ventilated, clean, dry hospital room, where they will not be exposed to draughts of air, and where

Tincture of iodine has been successfully applied to the diseased parts of the mouth, and a solution of salicylic acid in water, one grain to the ounce has been recommended for the eyes.

An excellent remedy is made by dissolving thirty-five grains of chlorate of potassium and two grains of salicylic acid in one ounce of water and adding one ounce of glycerine. This liquid should be applied to the diphtheric spots two or three times a day and may also be given internally in the dose of a teaspoonful to each fowl. Stimulating and tonic remedies have been more or less successful, and are especially valuable in the chronic forms of the disease. The following combination may be used: Cayenne pepper, sulphate of quinine and sulphate of iron, of each one grain. Mix and make into pills with a small quantity of syrup. Give at one dose.

Fowls which have been affected should not be returned to the flock for thirty days after they have apparently recovered, otherwise they may still communicate contagion.

THE PROFIT ON 25 HENS.

Mr. Editor: I wish to give you a statement of my past year's profits from a flock on an average of 25 Rose Comb White Leghorn hens for the year beginning Jan. 1, 1904 and ending Jan. 1, 1905. I did not force my birds to lay all the year. I believe they should have a little time for rest. They laid 3,485 eggs.

Value of eggs sold.....	\$77.83
Value of eggs used for table and setting	13.67
Value of poultry for table.....	3.96
Value of droppings.....	2.00
Value of stock sold.....	32.83

Total receipts.....	\$130.29
Expenses, feed, etc.....	36.57

Net profit \$93.72

This was done on a town lot. No doubt this can be surpassed, but there are many who fail to make their stock yield them a fair profit. I believe when you intend to keep a few chickens on a town lot you should keep nothing but pure stock. They will become a source of pride and diversion to you. To me they are a real pleasure, and nothing I delight more in than to sit down and have them come and eat out of my hand and fly upon my shoulder. To the beginner I would say, buy pure stock for the start. It will pay you big in the end.

GEO. T. BERRIKER.



WHITE PLYMOUTH ROCK PULLET.

Winner of Silver Cup Special, offered by the Ivory Soap Co. for the best white fowl, any age, sex or variety, Cincinnati, January 17 to 21, 1905. Bred and owned by Mrs. Orebaugh, Batavia, Ohio.

covered with false membranes obstructing almost completely the opening of the pharynx and larynx. Swallowing is very difficult or impossible and breathing is liable to be arrested at any time. The false membrane first appears as a thin yellowish or grayish layer and becomes thicker as the disease advances."

Diphtheria of birds is undoubtedly contagious and preventive measures should be taken at all times. Disinfect the poultry houses and runs with

they can be readily caught for examination and treatment. Apply three times a day to the diphtheric spots in the mouth and eyes a two per cent solution of either creolin or of pure carbolic acid in water and if possible inject a small quantity of the same solution into the nostrils. Remove the diphtheric membranes as soon as this can be done without causing bleeding from the affected surface and continue the application of the remedy.

E.G. Wyckoff's Single Comb White Leghorns

BUSINESS AND BEAUTY STRAIN

SINGLE COMB BUFF LEGHORNS

"CORNELL-WYCKOFF" Strain—Best On Earth

BLACK LEGHORNS—IMPORTED STOCK

Eggs for hatching from MADISON SQUARE GARDEN 1904 and 1905 and WORLD'S FAIR WINNERS. Old and Young Stock for sale

SILVER DUCKWING LEGHORNS, PYLE LEGHORNS,—Imported Stock

Limited number of eggs for hatching for sale. No stock in these two varieties at present

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TRADE MARK
The emblem of high quality
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EGGS FOR HATCHING FROM THE BLUE RIBBON WINNERS

AT the Great 1905 Chicago Show, on six entries I won 1st cock and 1st pen, on White Wyandottes. The quality in White Wyandottes at this great show was extraordinarily high and it took the BEST IN THE WORLD to win there. But that's the kind the CONGRESS PARK POULTRY YARDS PRODUCE

EGGS \$3.00 per 15 From my Prize Winning White and Partridge Wyandottes, Barred, Buff and White Plymouth Rocks, and S. C. White Leghorns.

From my prize winning birds—the kind of eggs that produce the Blue Ribbon Winners in the largest shows in America. Orders booked now for future delivery when accompanied with cash. Immediate shipment if desired.

EGGS \$2.00 PER 15 or \$10.00 per 100 from extra high-class breeding stock in White and Partridge Wyandottes, Barred, Buff and White Plymouth Rocks and Single Comb White Leghorns. Nine healthy chicks guaranteed out of every setting or will refill order at half price.

BARGAIN COCKEREL SALE IN White Wyandottes, Buff, Barred and White Rocks Cockerels from \$2.00 to \$5.00 each. Write describing what you want. I will cheerfully refund your money and express charges if you are not perfectly satisfied.

CONGRESS PARK POULTRY YARDS,
Clarence Ward, Prop. Congress Park, Ill.

PHOTOGRAPHY OF FOWLS

Some Stray Thoughts on this Subject
by Rev. C. E. Petersen.

There is a whole planet waiting to give its work to a man who can make a good photograph of a bird. We have some greatly esteemed artists who can use pen and ink, but mighty few real, live poultry photographers! A few good photographs and halftones of fowls appear each winter, but we wait for the man who can and will use his camera the year 'round for the poultry man.

GEORGE C. BATES,
Editor American Poultry Journal.

We fully agree with the above statement, and yet it is not for the lack of photographers that can and will take pictures of fowls, but for the lack of poultrymen that will accept said pictures, for what is true regarding human beings is also true regarding the fowls, though the fowls themselves are not the judges in this case, but the men who are back of the fowls, but who do not want the fowls portrayed as they are, but want what is



A prize winner at the great Chicago Show, 1905, bred and owned by F. H. Stanwood, 433 N. Harvey Ave., Oak Park, Ill.

called by the pen and ink artist an "idealized picture." Now the camera does not idealize anything, but will give an exact reproduction of the fowl with its good and bad points made visible to all who are able to judge of them. There is, of course, something that depends on the operator and something that depends on the fowl that is to be photographed. The operator must know his business, must be familiar with his subject as to what is wanted, and know how to show off its good points to the best advantage. There are some fowls that will not pose under any circumstances, and those birds may be the best in the yard. It is needless to try, for they cannot be portrayed in such a way that the picture will give an adequate idea of the merit of the subject. On the other hand, there are fowls who can be put in any desired position, that seem to know how to pose, that seem to like it, and will strike attitudes and hold them long enough to make a good photograph, but even that will not make an exact reproduction of the subject, except the operator knows what the bird should looklike in its natural pose. We can, of course, not put shape on the fowls that do not possess it in the first place, but an operator who does not know the value of shape in a bird can make a distorted picture

of the best shaped bird. It is for him to know how to pose the bird so it may show off to the best advantage as far as shape is concerned.

As to color much is to be learned by the average camera operator, such as what light to use, plates and chemicals, all of which bears an important part to produce a successful fowl photographer. Colored screens are an absolute essential to reproduce successfully the different marks on vari-colored birds and

ever realized, for a poor photograph is not a business bringer. As the impression of a bad photograph is not favorable to the observer, even though the caption may state that it is of a noted winner.

Pure White fowls, and pure Black fowls, and an intermixture of White and Black, can be successfully photographed on the ordinary plate, as pose and shape stand for more than colorings, but any of the Buff varieties and Partridge colored

in most of our poultry journals idealized photographs that are not photographs, but are simply fake pictures finished up to suit the purchasers, a touched up negative, which is a good deal worse than to leave it as it was, as it simply indicates dishonesty on the part of the combination that produced the picture and gives an idea that faking, if used in the production of the picture, which is supposed to represent the bird as it was, that the same persons would



FIRST · PEN · WHITE WYANDOTTES · · BOSTON · · 1905 · OWNED BY · A·C·HAWKINS · Lancaster, Mass.

FIRST PRIZE BREEDING PEN OF WHITE WYANDOTTES AT BOSTON, JANUARY, 1905. OWNED BY A. C. HAWKINS, LANCASTER, MASS.

without the use of isocromatic plates, not much can be done in this direction. Now the use of isocromatic plates and the color screens means an excess of time for the exposure, which is not necessary when the common plates are used, and it can be readily seen that when such an unruly being as a fowl is to be photographed, that the excess of time in ninety cases out of one hundred means a complete failure. We have spoiled plate after plate to get one good photograph, and we have photographs today of our Houdans that as far as the cost of production is concerned, cost us more money than even Franklin Sewall, the artist, would have charged us for the ideal pen and ink sketch, but they have given us far better satisfaction. Now the ordinary poultryman does not want to go to such expense, and therefore feels satisfied with an average good picture that may cost more money in the loss of trade than he fowls cannot be successfully reproduced

without the use of the isocromatic plate. Accessories, such as backgrounds, light shades, etc., are essentials that will do much to facilitate in the hands of the one who knows how to use them, fowl photography. We are beginning to see

not hesitate to fake the bird itself, if this could be done, and it is always observable, and even a novice in the business is not deceived thereby.

There is nothing under the sun that will carry so favorable an impression to

Partridge Wyandottes

FIRST on hen
FIRST on cockerel
SECOND on pullet

At
Madison Square Garden
New York, 1905

EGGS FOR HATCHING FROM PRIZE MATINGS. Send for
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He Cures Sore Eyes Free

Famous Chicago Professor Makes a Startling Discovery of a Magic Eye Lotion that Cures all Sore Eyes and Has Restored the Sight to Hundreds of People.

His Grateful Patrons Tell of Almost Miraculous Cures of Cataracts, Granulated Lids, Wild Hairs, Ulcers, Weak, Watery Eyes and all Eye Diseases.

He Gives His Marvelous Medicine Free to all Who Write to Him.

I have discovered the marvelous, magic secret of perfect sight and I have repeatedly restored to sight persons who have been nearly blind for years. Every day brings letters from people in all parts of the country who had given up in despair; doc-



Prof. Herman T. Schlegel, the Famous Eye Expert.

tors and remedies had failed them and they were slowly going blind, yet this magic remedy of mine quickly relieved their pain and soreness and restored their eyes to perfect health and sight.

Ulcers, wild hairs, granulated lids disappear almost instantly with the use of this magic remedy. Weak, watery eyes are cleared in a single night and restored to perfect health. It never fails. It has repeatedly cured where all other remedies and all doctors had failed. It is indeed a magic remedy and I am glad to give it free to any sufferer from sore eyes or any eye trouble.

Hundreds have thrown away their glasses after using it a week. Preachers, teachers, doctors, lawyers, engineers, students, dressmakers and all who use their eyes under strain find with this Magic Lotion a safe, sure and quick relief. If you have sore eyes or any eye trouble write me today. I am in earnest in making my offer of a free bottle of this lotion. It is the only positive cure for cataract known, and I am glad to furnish proof in many well-proven and authentic cases where it has cured cataract after the doctors said that only a dangerous and expensive operation would save the sight. If you have eye trouble of any kind you will make a serious mistake if you do not send for my great free offer of this magic Eye Lotion. Address, with short description of your trouble, Prof. Herman T. Schlegel Co., 903 Mackinaw Bldg., Chicago, and you will receive by return mail, prepaid, a trial bottle of his magic remedy that has restored hundreds to sight.

Poultry Supplies.

As we are the largest as well as the oldest dealers in poultry supplies west of the Mississippi river we can offer many items of interest to poultry breeders. We also handle thoroughbred poultry and **EGGS FOR HATCHING**. Don't fail to send for a copy of our new illustrated price list. Complete catalogue of seeds, plants, etc., also free if you mention this paper. Write at once.

IOWA SEED CO., DES MOINES, IOWA.

the purchaser as a good photograph, and nothing that will detract and hinder sale so much as a bad one. We have for years photographed each bird in our breeding pens, and sent our proof photographs to would-be purchasers of eggs, and in case of stock have photographed the individual bird, that the purchaser might get some kind of an idea of what he was to expect. Sometimes we have even gone to the trouble of photographing the bird in parts—that is, head, wings, body and feet—that no doubt might be left as to the general make-up of the fowl. This, of course, is not done except where a person is willing to pay sums ranging from \$25 to \$150 or more for a single specimen, and we think that he is entitled to all this, as well as purchasers of any other goods have a right to expect a fair representation of what they are to buy. Another factor in successful fowl photography is the lens, and the camera, which must be of the highest grade to produce good results, and that lens that will cover a five by seven plate without making distortions of any kind cannot be bought for less than \$75, which is beyond the purses of ordinary poultry men, and so the more reason for a fowl photographer who knows his business well enough, so as to have the bird shipped to him, that at home he may photograph the fowl, and, like any other photographer, send proofs of the same to the person who is having the fowl photographed. It may be well to mention that one of the most successful methods in giving a purchaser an idea of the fowl he is considering the purchase of is by means of the stereoscopic picture. There is in most every house a stereoscope, and no one can imagine with what facility a sale is made when you bring the bird to the purchaser almost an exact representation of the living bird, shape, style, and general make-up—yes, even the color markings and lacings may be plainly seen.

We have noted bird photographers, and photographers of animal life, who are known all over the world, and, as has already been stated in the editorial paragraph from which we are making our observations, and few real live fowl photographers, who will and can use his camera for the benefit of the poultry fancier.

SPECIALTY JUDGING.

If the poultry shows that employ more than one judge would get specialists to pass on each variety and not employ so many "all-around" men, there is no doubt but that the awards would be placed nearer where they belong in most cases.

Get a well-known and successful breeder to judge his specialty and not have a breeder of Minorcas place awards on Wyandottes, etc. An "all-around" man is not as good as a specialist in any line.

F. L. WATERMAN.

Barrington, Ill.

Corn is a valuable food for furnishing both fat and heat. It should daily be included in the bill of fare, as a variety, to balance the ration, but never be exclusively fed.

**A guaranteed egg producer
Pratts Poultry Food.**

Made by Pratt Food Co., Phila. Over 30 years old.

Agents
wanted.
Liberal
inducements.



Your Fowls are Sick

Moping, sneezing, rattling in their throats, eyes swollen, breathing with difficulty. You are losing them by dozens. **That is Roup**—The scourge of the poultry yard—as infectious as diphtheria.

CONKEY'S ROUP CURE

is guaranteed to cure. Placed in the drinking water it kills the germ and cures without effort on your part. Order now and be prepared. If your Druggist or Poultry Supply Dealer has not got it, send direct to us. Post-paid in 50c and \$1.00 packages. It prevents as well as cures Colds, Roup, Canker in chickens, turkeys and pigeons. We refund your money if it fails. Beware of imitations. None so good as Conkey's. Our book on poultry diseases FREE.

G. E. CONKEY & CO.
Box 52 | Cleveland, O.

Pacific Coast Agents,
Petaluma Incubator Co., Petaluma, Cal.

IT CURES ROUP



I personally
guarantee that

Eclipse Roup Cure

will positively prevent and cure all forms of roup, canker, "swelled head," catarrh, colds, discharges from nostrils, etc. in poultry of all kinds. If you don't find it entirely satisfactory you get

Your Money Back.

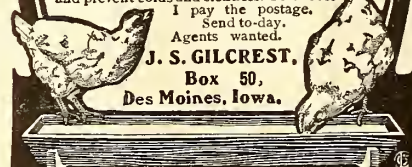
No trouble to use—simply put it in the fowls' drinking water. One package makes 25 gallons of guaranteed medicine. Use it now and prevent colds and sickness. Price 50c.

I pay the postage.

Send to-day

Agents wanted.

J. S. GILCREST,
Box 50,
Des Moines, Iowa.



TREES THAT GROW

Hardy varieties; yield big crops. Grafted Apple, 4½c; Budded Peach, 3½c; Black Locust Seedlings, \$1 per

1000; Concord Grapes, \$2 per 100. We pay the freight. Catalog, English or German, free. **GERMAN NURSERIES**
Box 14, Beatrice, Neb.



A NEW YORK PRIZE WINNER BRED AND OWNED BY
ARTHUR DUSTON, MARLBORO, MASS.

The Record Of My Stock

...AT THE...

WORLD'S FAIR

and practically every exhibition, both big and little, of the season, attests my claim of "the breeder that has made the World's Best flocks possible." We are told that a "cloud of witnesses makes a matter absolutely proven," so this month I am going to add a few more "witnesses" to prove the claim of the superiority of

Duston's White Wyandottes

—, Va., Nov. 16, 1904.
Dear Sir:—The bird arrived all safe and in good condition, and I am very well pleased with it. Many thanks to you for the selection.

Yours truly,

G. W. Y.

—, Montreal, Nov. 26, 1904.
Dear Sir:—The pen of White Wyandottes duly received in first-class order, and I am well pleased with them. I am,

Yours truly,

R. W. R.

—, Man., Dec. 19, 1904.
Dear Sir:—The birds arrived in good condition. I am very well pleased with them. I am,

Yours truly,

A. G. L.

—, Pa., Dec. 10, 1904.
Dear Sir:—I received the cockerel this evening, and am highly pleased with him. He is in the best of health and condition, and consider that you have done very well by me, so much so that I would like you to let me know what you could let me have two yearling hens for, as mates for him, as I think it would be a shame to mate him to the hens that I have, as he makes them the worst looking scrubs that I ever saw. So have concluded to get two, at least, and begin over again at the beginning, as it will be the best way, I think.

Yours truly,

D. M.

—, Mass., Dec. 28, 1904.
Dear Sir:—The birds came yesterday. To say that I am much pleased does not half express my pleasure. Found one egg this a. m. Yours truly,

G. M. C.

—, Me., Jan. 5, 1905.
Dear Sir:—The birds came all right, and on my return home, January 2, I was glad to find them in the hen house. They are a fine looking pair and I am much pleased with them.

Very truly yours,

R. T. H.

—, Mass., Dec. 6, 1904.
Dear Sir:—The pullets came in good order, and are a nice looking lot. I am much pleased with them. They are doing well. The cockerel is a fine looking bird. I wish to thank you for him, and the extra pullet, which I was surprised to see. They make a pretty sight in their yard.

Again thanking you, I remain,

Yours very truly,

S. W. B.

—, Mass., Dec. 26, 1904.
Dear Sir:—I want a Wyandotte cockerel. I had a cockerel and two pullets of you two years ago. Have the old cock yet. I took 2nd pen in S— with him, scoring 92¼; pen, 185 2-16: the last pen, 185 13-16. But he is too old to breed from this year. I have some fine pullets from him.

Yours very truly,

W. F. N.

—, Md., Dec. 26, 1904.
Dear Sir:—My birds arrived Saturday in fine shape, and must say that I am pleased with them, and every one that I have shown them to likes them. What could you make two more good pullets for, to add to the pen I just got? Give me a prompt answer and I will order at once. Let me say again that I am more than pleased. So if you can give me two more good ones, let me know the price at once. I am,

Yours,

W. W. B.

—, Mass., Jan. 6, 1905.
Dear Sir:—The cockerel I bought of you is at the head of the Second Prize Pen at B— this week. Yours truly,

H. W. K.

—, Mich., Jan. 7, 1905.
Dear Sir:—Please pardon my delay in acknowledging receipt of bird. Christmas holidays are always such a busy time. I am very much pleased with the bird. He is very much at home now. If ever you come my way would be pleased to have you call and see my

chickens. I would like to have your opinion. If you have one of those club buttons for me, please send.

Very respectfully,

A. M. M.

—, N. J., Jan. 5, 1905.
Dear Sir:—Birds arrived all safely and I am well pleased with them, thanking you kindly for good selection. Will order eggs from you later. Wishing you a prosperous New Year, I am,

Yours truly,

A. B. D.

—, N. Y., Jan. 21, 1905.
Dear Sir:—The trio you sold me arrived safely, and I am very much pleased with them. They have a nice new home and seem to like it. I thank you for sending me such nice birds.

Yours truly,

F. W. S.

—, N. H., Jan. 27, 1905.
Dear Sir:—The cockerel came O. K., and I am well pleased with him.

Yours very truly,

A. W. P.

—, N. J., Feb. 1, 1905.
Dear Sir:—I received the three pullets on Monday afternoon all O. K., and I am very much pleased with them for money sent you. You will hear from me a little later in regard to eggs. Respectfully,

H. W. R.

—, N. C., Feb. 9, 1905.
Dear Sir:—The bird you sent me is a fine one, and I hope to have some good results from him. Accept many thanks for sending such a nice one.

Very truly,

H. S. W.

—, Ky., Feb. 4, 1905.
Dear Sir:—I would have written to you sooner about the cockerel, but I was busy at the show. I was awarded first premium on him, and there were about thirty other competitors against him. I refused an offer of \$30 for him at the show, and I had several people at the show compliment him.

Yours truly,

T. L. M.

(If A. P. J. would only cut the rate in two, I would make it two or more pages.)

This is the same kind of stock that you want, or eggs that can give it to you. Then why hesitate, for as sure as fate, practically every successful White Wyandotte breeder has come to Duston's strain sooner or later. Why not take a short cut and come at once? A specialist for ten years. Send two-cent stamp for catalogue.

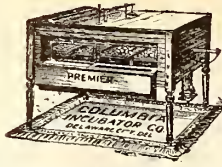
ARTHUR G DUSTON

Box 1020, S. Framingham, Mass.

OUR STANDARD INCUBATORS

sold direct to purchasers at lowest prices. **NO AGENTS.** Latest double-wall 250-Egg Nursery Incubator and Brooder. Everything complete, with Directions and Plans, for \$28.00 cash. **Satisfaction guaranteed.** Reference, Delaware City National Bank Set of Poultry House and Brooder Plans, 10c. Large 150-page Poultry-book, 50c. Prompt shipment of anything ordered.

COLUMBIA INCUBATOR CO., Delaware City, Del.



\$16.00 Double Walled Brooder For **\$7.65**

All high priced Brooders are heated with lamps which poison the air and injure the chicks.

Morgan's Sanitary Brooder is Warmed By Hot Water Storage, a soft radiated, economical, wholesome, healthful heat, easily regulated, that makes chicks grow large and strong. It is simple, roomy, clean and warm. Is better built and will raise more heavy, lively chicks than any \$16.00 Brooder ever made. Write us for full information. Sanitary House Co., Box A, Lamont, Ill.

THE \$50,000,000 WORLD'S FAIR, ST. LOUIS 1904

BOUGHT BY THE CHICAGO HOUSE WRECKING CO. Millions of Dollars' worth of material will be placed on the market for quick sale by us at prices that will mean an enormous saving to purchasers. Now is your opportunity to put into execution your long contemplated improvements.

100,000,000 FEET OF HIGH GRADE LUMBER FOR SALE

The time to buy Lumber is today. Even if you do not need any Lumber today, it will pay you to purchase it now and store it for future use. It's better than money in the bank. Buy quick, because the price at which we will offer this material is bound to sell it as fast as we can make delivery. The finest grades of Lumber were used in the construction of this Grand Exposition. We have everything needed in the construction and furnishing of a building for any purpose.

SEND US YOUR LUMBER BILL FOR OUR ESTIMATE

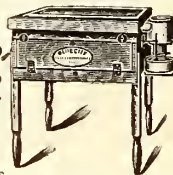
YOU CAN SAVE FROM 30% TO 50% IF YOU BUY AT ONCE. This is your opportunity to build or improve your Home, Barn, Warehouse, Church, Elevator, Tool Shed, Granary and Crib, Store, School House, and in fact any kind of a building. We can furnish you anything in the line of Manufactured Articles, Roofing of all kinds, Wire Fencing, Pipe, Furniture and thousands of other items. **ASK FOR OUR SPECIAL CATALOGUE 186. CHICAGO HOUSE WRECKING CO., EXPOSITION GROUNDS, ST. LOUIS, MO.**

A Better Incubator.

We waited a long time before making an incubator—waited long enough to find the weak points in incubators in order to avoid mistakes in this one. We have experimented until we are satisfied. We know the

Belle City Incubator

is right. It has double walls, providing large dead air space, which means perfect insulation all around. It is self regulating. We use only best 14 ounce copper for making the heating tanks, because copper is the only material which is safe and durable. It's a non-moisture machine—saving time and trouble. Has a large and roomy nursery under the egg tray to care for the newly hatched chicks. Very light, strong and durable. Can never warp, shrink nor crack. "We make a double walled brooder that raises all of the chicks. Our book, 'Hatching Facts,' isn't like other catalogs. It goes deep into the reason of things. You ought to have it. We mail a copy free upon request. Write today. We pay the freight. Belle City Incubator Co., Box 27, Racine, Wis.



Easier Work—More Money

No. 1
Iron Age
Double and Single
Wheel Hoe.

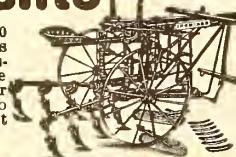
You can do your work easier; twice faster; take better care of your growing crops at the time they need close attention; get them ready for market earlier, and make more money by using

IRON AGE Implements

Our No. 1 Iron Age Single and Double Wheel Hoe and our No. 80 Cultivator are famous money and time savers. No implements equal them in utility and adaptability to land conditions. Progressive farmers will find valuable information in "Iron Age," our free book containing descriptions and prices on such famous labor saving Iron Age implements as Horse Hoes, Seed Drills, Potato Planters, Sprayers and Fertilizer Distributors. Send for it without delay.

BATEMAN MFG. CO., Box 119 Glenloch, N. J.

No. 80 Iron Age
Pivot Wheel
Riding Cultivator.



You Will
Make Money
If
You Use
SCOTT INCUBATORS
AND BROODERS

LET'S GO HALVES

If you intend buying an incubator or brooder you want the best the market affords. Here's your chance

SCOTT

Incubators and Brooders at Half Price

of others. None better—few as good. You cannot fail in hatching and raising strong, healthy chicks in these machines. Patented, self-regulating, ventilating, non-moisture. Why pay more when we can furnish you with first-class, high percent hatching machines for half the price you pay for others? Write today for free catalogue and Poultry Guide.

Scott Incubator Co., Box 10, Abingdon, Ill.

"CORNISH INDIAN GAME CLUB."

I think it is high time we breeders of C. I. Games get together and form a club. I believe the C. I. Game to be one of the best general purpose fowls known, the very best table fowl on earth, *bar none*. I have been breeding the "Indian Game" for over seven years, and have made a careful study of this variety, and will say right here had I not found the many good qualities in the "Indian Game" I would have discarded them long ago for some variety I thought better. But I can say with all true belief and honesty, that I will be breeding the "Cornish Indian Game" 20 years from now. I urge all breeders to take a personal interest in forming a club to place the "Indian Game" in the front rank, where they rightly belong. I would suggest calling the club "The Cornish Indian Game Club of America." There are many well known breeders of this variety in the west as well as the east, and from their number we could select a secretary and other officers to manage the affairs of a club. No doubt W. S. Templeton, of Dakota, Ill., can give us some light on the "Indian Game Club" of a few years ago, when the variety was comparatively little known in the west. Mr. Templeton was secretary of the club. He might be willing to act in that capacity again, now that the "Indian Game" have a firmer foothold. Rev. Huey, of Casnovia, Mich., is an enthusiastic breeder who no doubt would have time to attend to correspondence relative to forming a club and acting as secretary. There are many breeders in the east who would be interested. I have a letter from a gentleman high up in the management of the big Chicago show, who in a letter to me says he will personally guarantee a valuable prize to be competed for by the "Indian Game" breeders at the next Chicago show, January, 1906, providing we will guarantee an exhibit of 60 or more birds at that show. Now, brother breeders, I cannot guarantee an exhibit of this size without your hearty co-operation. I will, however, guarantee an entry of 20, perhaps 25, birds from Oconomowoc, Waukesha county, Wis., and not all from our own yards, either. Now it is up to five other breeders to enter 10 or more birds each, and a few others from two to five each, and we have more than the required number. An entry of this size will do more to stimulate an interest in our variety than anything else we could do.

I should like to hear from other breeders. Don't hesitate. Be wide awake and take a personal interest in this matter. It is no great expense to be a member of a "Specialty Club." Dues, \$1.00 a year, and this money to be used for current expenses such as stationery, postage, etc., and even then there is money left to offer special club prizes, such as cash, ribbons, etc. We will all derive a lasting benefit from a comparatively small expense. We should surely be interested in placing our variety in the front rank and this is the only way we can accomplish that end.

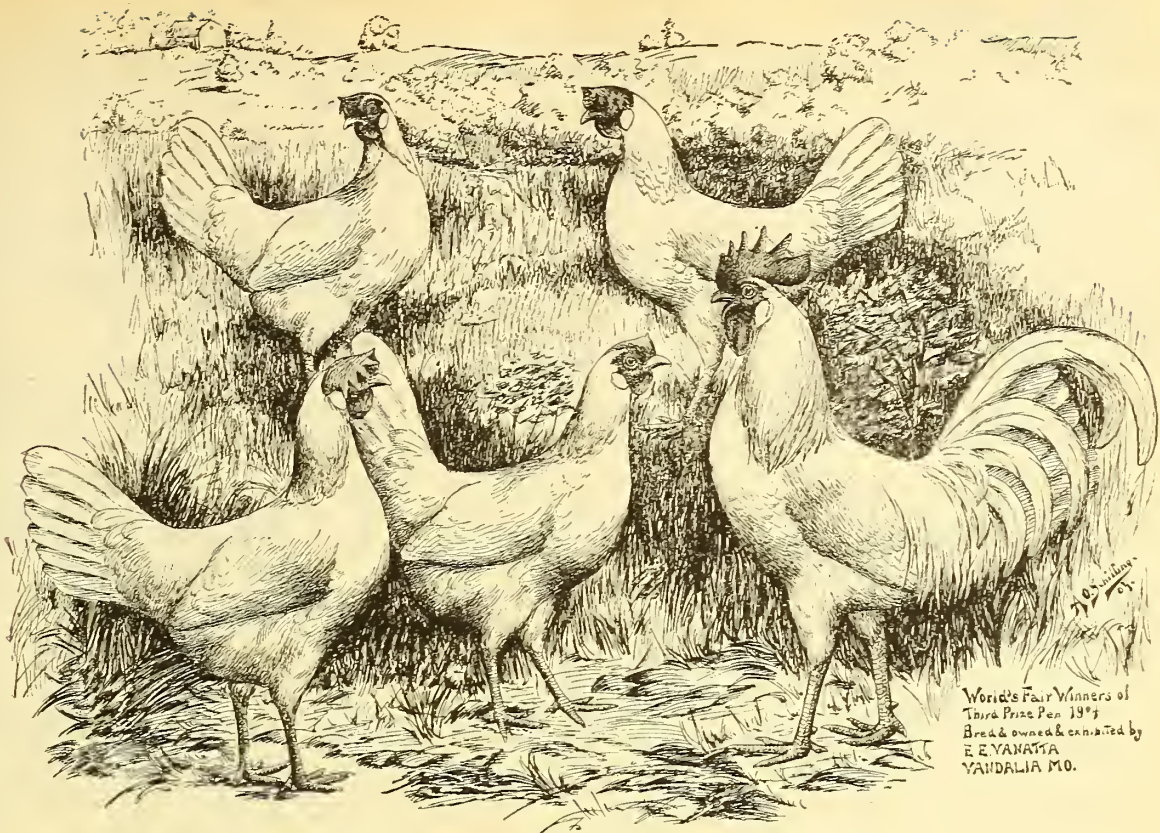
Very truly yours,

CHAS. S. BRENT,
of Brent & Eddy.

Oconomowoc, Wis.

Pratts Powdered Lice Killer
did the work.

Made by Pratt Food Co., Phila. Over 30 years old.



World's Fair Winners of
Tenth Prize Pen 1904
Bred & owned & exhibited by
E. E. VANATTA
VANDALIA, MO.

PEN S. C. WHITE LEGHORNS

Bred, owned and exhibited by E. E. Vanatta, Vandalia, Mo.

THE GAME FOWL.

If the editor of your valuable journal will permit I would like to say a few words. One thing that I notice among the articles of many poultry writers is the absence of anything regarding the utility qualities of the game fowl. Most editors no doubt believe that the game papers will take care of the game fowls without any other aid, and again it might be attributed to the fact that there are a great many people that have an idea that the game fowl has very little value other than its ability to fight. However, those who are intimately acquainted with these excellent and beautiful fowls, will testify strongly to the contrary. The writer makes a spec-

ialty of raising the black breasted red game fowls, but he begs leave to inform the readers of THE AMERICAN POULTRY JOURNAL that under no consideration would he stoop to fight them. God gave this noble bird courage and strength to defend itself and family, but I think it is brutal to fight them as it is practiced by some. The Game is a practical fowl for the farmer. They are extremely hardy, consequently are easier to rear than most any other breed. They mature very young, and they are conceded to be as fine, if not the finest, of all table fowls. They are excellent layers, of medium-sized eggs, richly flavored. In fact we have game hens that have egg records that would equal those of many of the so-called great laying fowls,

and by their extreme hardiness they will thrive and do well where most other fowls would require the greatest care. They are also great foragers. I allow my games free range when the weather is not freezing, as I think they thrive better and grow larger than they would if hampered too much in close quarters. As to their fighting, there is no doubt but what they are gritty, but my cocks and cockerels all run on free range together and I have very little trouble with them. Not any more trouble than my neighbors who raise the Barred or White Plymouth Rocks have with their cocks. By the way, did any of the readers of this JOURNAL ever take notice that an old Plymouth Rock cock is not so poking when it comes to a scrap. As



A FREE FOR ALL HATCH

JEWEL INCUBATORS and BROODERS are sold on **thirty days' free trial**—a guarantee backed up by a capital of \$2,000,000. We will prove to anyone

that our machines are more accurate and sure than any others known. Perfect regulation, automatically controlled. Our Supply Catalogue gives full particulars concerning our unequalled offer and tells how to raise poultry at the least expense. A large three color picture of a White Plymouth Rock cock, that sold for \$500.00, will be sent those interested. We are the largest poultry supply dealers in the world.

JEWEL CHICK FEED is prepared and manufactured by us. It is guaranteed to raise more chicks to maturity than any other grain feed known. It is a perfectly balanced ration. Money refunded if it fails. No dirt and mill sweepings found in this mixture. Only pure, sound and wholesome grains used in the Jewel Feed. No up-to-date farmer or poultryman can afford to be without our catalogue. It's Free.

Address: POULTRY DEPARTMENT, Box E, INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN.

200 Stay White Wyandotte Cockerels

Big, vigorous, stay white birds, many of them sired by "ROYAL WHITE," first prize cockerel at New York, 1904. My White Wyandottes have won at the largest shows in strongest competition. I made one entry

At Boston, 1905

and won first prize and specials for best breeding pen in strongest company.
EGGS 1 sitting \$5.00; three sittings \$10.00
 5 sittings \$15.00; \$20 per 100.
 From the whitest and best in America

A. C. HAWKINS
 Lock Box 25, Lancaster, Mass.
 See ad on back cover.

S. C. BROWN LEGHORNS

Winners WHEREVER Shown

Cockerels and Pullets \$1.50 and upward
 Trios \$5.00. Pens \$8.00. Eggs \$1.50 per 15.

Place Your Order Early
EDWIN W. STAEBLER,
 36 Tremont St. CLEVELAND, O.
 Member of American S. C. Brown Leghorn Club.

Light Brahmas

Eggs for hatching from birds having large range. Good size and fine marking with vigor insured.
 15 eggs \$2.00. 30 for \$3.50.

JNO. F. WOODS, UTILITY FARM, Route 19, Owensville, Ind.

Billings' W. and G. Wyandottes

and R. I. Reds are winners wherever shown. At Norwalk, O., February 1st to 4th in very strong competition I won 9 firsts and several specials, including special for highest scoring pen in show. My stock has won at such shows as Pittsburg, Rochester, Cincinnati, Fremont. Eggs from my exhibition matings \$2.00 for 15 eggs. Other matings \$1.00. Incubator eggs \$5.00 for 100. Send for mating list.
B. M. Billings, Oberlin, O.

Paint Without Oil

Remarkable Discovery That Cuts Down the Cost of Paint Seventy-five Per Cent.

A Free Trial Package is Mailed to Everyone Who Writes.

A. L. Rice, a prominent manufacturer of A dams, N. Y., has discovered a process of making a new kind of paint, without the use of oil. He calls it Powderpaint. It comes to the consumer a dry powder, and all that is required is cold water to make a paint water-proof, fire-proof and as durable as oil paint. It adheres to any surface, wood, stone or brick, spreads and looks like oil paint and costs about one-fourth as much.

Write to Mr. A. L. Rice, Manufacturer, 453 North St., Adams, N. Y., and he will send you a free trial package, also color card and full information showing you how you can save a good many dollars. Write to-day.

to a fancier's fowl there is nothing handsomer than a flock of Black Breasted Red Game Fowls in full plumage. With all honor to other breeds, I take off my hat to the Black Breasted Red Game, as he is my ideal fowl.

ORVILLE D. CHINN.

HOW TO MAKE \$900 PER YEAR FROM 400 HENS.

Editor AMERICAN POULTRY JOURNAL:

The question is often asked, how many hens should be kept to insure a profitable business?

In answering this question we propose to use estimates which we assure you are conservative, and which can be depended upon as absolutely low, rather than high estimates. By use of the proper feed, it will be easily possible to realize 6,100 dozen eggs per year from 400 hens, which will necessitate each hen laying about one-half the year, allowing the balance of the year for moulting and rest. This you must admit is conservative. Now we will set aside 100 dozen eggs for hatching (1,200 eggs.)

From these you should hatch 800 chicks and raise 500 of them to maturity. This also is very conservative. Now we have 6,000 dozen eggs to sell. These will average you 20c per dozen here.

Now let us proceed to figure:
 6,000 doz. eggs for market @ 20 cents.....\$1,200.00
 500 young chickens at 40 cents. (They will average more.) 200.00

Total for year.....\$1,400.00
 Our feed for 400 hens and young chickens, cost per year..... 500.00

Leaving a net profit of.....\$900.00
EDWIN W. FLY.

Chalfont, Pa.

AMERICAN POULTRY JOURNAL, Chicago, Ill.:

The committee chosen by the American Plymouth Rock Club to solicit cash specials for the next meeting of the club, to be held at Madison Square Garden, New York, 1906, report that they are well satisfied with the subscription up to date, considering the number they have heard from; but if all interested would send in their subscriptions at their earliest convenience it would facilitate matters exceedingly.

In order to assist the committee in selecting judges they would like to hear from all probable exhibitors an expression of opinion in regard to the same.

Will all interested write to C. H. Latham, Secretary, Lancaster, Mass., their preference for judge.

C. H. LATHAM, Secretary.
 W. E. BRIGHT, Chairman.

We read some years ago, but never had occasion to try it, that a poultry house could be rid of rats, minks or weasels, by using coal tar. The advice was to pour the tar in the holes, runs, etc., made by these animals, and they will remain away as long as the tar lasts.

Heals harness galls quickly
Pratts Vet. Healing Ointment.
 Made by Pratt Food Co., Phila. Over 30 years old.

White Wyandottes.

Light Brahma Bantams
D. Lincoln Orr, Orr's Mills, N. Y.

Rose Comb Brown Leghorns

High class exhibition and breeding stock and eggs for hatching for sale at reasonable prices. Write your wants to
GEO. F. HOFFMANN, Cuba, Wis.

White Wyandottes

Winners at Hagerstown, Md. 1903 and 1904.
M. E. ROSE, Tacoma Park, D. C.

Buff Wyandottes and Barred Rocks

Choice Buff cockerels with score cards by Shaner. Eggs \$2.00 per 15. Circular and Photos demonstrate QUALITY in WHAT WE HAVE TO SELL.

G. R. MORRIS, Lanark, Ill.

S. C. BROWN LEGHORNS

BRIGHT STRAIN
 Early hatched pullets and cockerels from splendid laying strain. Score cards by Russell. Eggs \$1.00 per 15. Incubator eggs \$4.00 per 100.

F. W. CUSTER, Pontiac, Ills.

Robson's BUFF ROCKS

My yards contain the 2nd Cockerel 91¼ at Danville, Ill., and 1st Pullet 93¼, Ohio state show at Dayton this year. I have two good yards mated for this Season : : :
EGGS \$2.00 for 15.

R. H. ROBSON, 203 N. Main St., Urbana, O.

Special Sale!

B. C. BANTAMS
 As I am breeding R. I. Reds exclusively now, I will sell my entire stock of B. C. Bantams, 20 birds all hatch of 1903 and 1904 containing many prize winners. Bill of Sale. Good will and 5 exhibition Bantam coops go to first buyer sending draft for \$21.00 a great bargain. **CHAS. C. REID,** Delaware, Ohio.

...BUFF ORPINGTONS...

We entered 16 birds at the great Minneapolis show and won 15 prizes. Also best display. Scores reached 94¼. Six firsts out of a possible seven. Eggs from these same birds, that will give you like winners : :

G. A. GIBSON, HECTOR, MINN.

BUFF ROCKS

50 Cockerels \$2.50 to \$15.00
 100 Pullets and Hens \$1.50 to \$5.00

Blood as good as the best. Look up our show record in previous ads and sensational price we sold for at Chicago show last year

EGGS \$2.00 Per Setting

John J. Keig & Sons
 Romeoville, Ills.

P. O. LOCKPORT R. F. D. 4

Buff Wyandottes!

Boston Winners.

MATTISON & DUTCHER.

C. S. MATTISON, S Shaftsbury, Vt
F. J. DUTCHER, Hopedale, Mass.

CORNELL INCUBATOR MFG. CO.

ITHACA, N. Y., U. S. A.

THE 1905 CORNELL AUTOMATIC MOISTURE INCUBATOR IS BUILT ON HONOR!

OUR GUARANTEE IS BACKED BY OUR CAPITAL OF ONE QUARTER OF
A MILLION OF DOLLARS.

OUR NEW FOREMAN FROM BUFFALO,—AN OLD AND TRIED WAR-HORSE IN THE
INCUBATOR TRADE, REQUESTED AN AUDIENCE WITH OUR PRESIDENT:—

"Mr. Wyckoff, began the ex "Non-moisture" man, there are two serious kicks I wish to register with you,"
"First,—You compel me to cull the Chestnut lumber too closely."
"Secoud,—You compel me to build a machine far too good and too expensive. The "NEW CORNELL"
"is handsomer than the average cabinet work turned out by the leading furniture manufactures of"
"America. The Cornell possesses all THE GOOD POINTS of the TWO OTHER MACHINES I"
"FORMERLY BUILT, besides SEVEN EXCLUSIVE, valuable Cornell PATENTED features and a"
"case of one inch Chestnut that will last forever. I warn you that you are using too much money in"
"every machine you put up, and that they are costing you to manufacture JUST 40 per cent MORE than"
"my OLD MACHINES and here are the figures to prove it."
"Mr. J.—replied Mr. Wyckoff, not only will I NOT TOLERATE ANY CHEAPENING PROCESS but I"
"must POSITIVELY INSTRUCT YOU to CULL the lumber MORE CLOSELY, and watch your men"
"MORE CRITICALLY than ever. I want you to continue to make the new Cornell the BEST"
"INCUBATOR IN THE WORLD, COST WHAT IT MAY. THIS IS FINAL."

HERE ARE SOME OF THE CORNELL IMPROVEMENTS AND EXCLUSIVE PATENTED FEATURES.

Dispersive System of Heating.
Removable Egg Chamber Top.
Split Removable Bottom Nursery Trays.
Slatted Incubator Bottom.
Patented Safety Banked Air Valve.
Heater of galvanized and grey iron.
Zinc and Steel tested Thermostat.
Patented Table Top.

Patented Automatic Moisture Device.
Patented Felted Compound doors.
Case of one inch solid Chestnut.
Two inch dead air space packed with cotton.
Hot air box insulated by alternating layers
of laminated Cotton and Cardboard.
Lamp Hanger—New—Best—Safest.
Piano-fitting legs.

WE SAY TO YOU TRULY AND SINCERELY:

The 1905 Cornell Incubator possesses every valuable feature known to the Science of Artificial Incubation
and will hatch, IN YOUR HANDS, more Eggs than any other Incubator.
The Peep-O-Day Brooder will raise to maturity more Chicks than any other Brooder.

Our illustrated Catalogue and Supplement free, if you mention this paper.

CORNELL INCUBATOR MFG. CO.

BOX G,

ITHACA, N. Y., U. S. A.

C. A. STROHM BREEDER and ORIGINATOR

of the **BADGER STRAIN**. Do you want the best? Then send for my new illustrated catalogue which gives you my matings in detail, and tells you about "Badger Boy," one of the greatest Barred Plymouth Rocks ever put in a breeding pen.

C. A. STROHM

Elkhorn, Wis.

State Secretary American Plymouth Rock Club.

== CYCLONE STRAIN OF == BLACK LANGSHANS

a number of nice breeding cockerels for sale right. Write for prices. Eggs \$2 per setting, two settings for \$3, \$8 per hundred.

H. C. ECKERT & SONS Belvidere, Illinois

CHAPMAN AND McQUILLANDE

..BREEDERS OF..

Plymouth Rocks, Barred and White

At the great New York Show, Herald Square, we won more prizes on White and Barred Plymouth Rocks than any other two exhibitors, and swept the board clean on White Rock cockerels winning 1, 2, 3, 4 and 5th. Many of the best prizes at the big shows this year have been won on birds of our breeding. Write for our catalogue and mating list. Some grand young stock for sale. Eggs \$5.00 per setting.

Chapman & McQuillande

Box O, W. Hartford, Conn.

MICA-CRYSTAL.

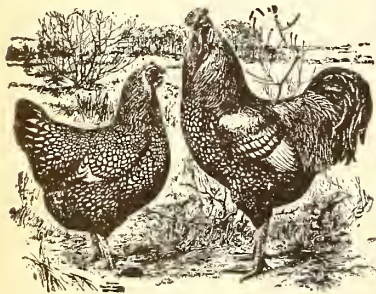
STANDARD POULTRY CRIT OF AMERICA.

THE PERFECTION SHELL MAKER AND GOLDEN YOLK PRODUCER.

White Quartz, 58 p. ct. Aluminum, 20 p. ct. Iron, 12 p. ct. Magnesium, 10 p. ct.
DIGESTER. SHELL MAKER. YOLK MAKER. SHELL MAKER.

For Sale by **DARLING & CO.,** Wholesale Dealers in Chicago, Ill.

DO YOU KNOW HUMMEL?



If not you had better get acquainted. I have bred and exhibited fancy poultry for 14 years and have shipped eggs and stock to every nook and corner in the world. I can boast of having as many pleased customers as any breeder in the U. S. My breeding stock scores 90 to 96 points. Eggs from these pens will certainly produce prize winners.

EGGS

\$1.50 per 13, \$2.50 per 26, \$5 per 65.

I replace broken eggs free of charge. Order direct from this advertisement

I BREED:

Light Brahmas,
Barred Plymouth Rocks,
White Plymouth Rocks,
Buff Plymouth Rocks,
Golden Wyandottes,
Silver Laced Wyandottes,
White Wyandottes,
W. C. B. Polish,
Partridge Cochins,

Buff Cochins, White Cochins,
Black Langshans,
Black Minorcas,
Single Comb White Leghorns,
Single Comb Brown Leghorns,
Houdans, S. S. Hamburgs,
Rhode Island Reds,
B. B. Red Games,
Dominiques, Red Caps,

Golden Polish,
Rose Comb White Leghorns,
Rose Comb Brown Leghorns,
White Face Black Spanish,
Buff Leghorns,
Cornish Indian Games,
B. Cochins Bantams,
Black Javas,
Mottled Javas.

**Mammoth Bronze Turkeys,
White Holland Turkeys,
Toulouse Geese,**

Pekin and Rousen Ducks. \$1.50 per 11; \$2.50 per 22.

HUMMEL'S INSECT POWDER, the best in the World. Price list free. All correspondence receives prompt and personal attention. If you have never dealt with me, I want your orders this season, and will endeavor to treat you right and hold your patronage. Large circular free.

S. A. HUMMEL,

Box 52, Freeport, Ill.

BROWN LEGHORN CLUB MEETING.

The first annual meeting of the new American Single Comb Brown Leghorn Club was held at the Coliseum, Chicago, Jan. 25, 1905, at 2:00 p. m. A more complete set of officers was elected and the new and more complete constitution was adopted. Since its organization at St. Louis, Oct. 29, 1904, the club has made a very healthy growth, and from the many applications received, not only from new applicants, but from those who were one time members of the old club, it is proof conclusive that their loyalty to the breed they represent is by no means lagging, and that they propose to be identified with and help to build up a club that shall be alive the year round. The old Brown Leghorn Club was a Chicago organization and lived practically only at the time of the Chicago show. After this club was practically dead they elected W. Theo. Wittman president. Soon after this, the secretary resigned his position. As the club was and had been practically dead for some time, Mr. Wittman called for a meeting of Brown Leghorn breeders at St. Louis, Oct. 29, 1904. At this well-attended meeting (all but one being members of the old club), it was voted to organize a new club and draw up a new and more complete constitution. It was also voted to hold the first annual meeting at Chicago show, Jan. 25, 1905, 2:00 p. m., when permanent organization and adoption of constitution was to be effected.

It is reported that two Chicago members of the old club met by themselves, elected officers, etc., but the Brown Leghorn breeders of America need no longer tie to a club which was organized and run by a certain few. The officers of the new Brown Leghorn Club are:

President—Fred Mott, Lansing, Mich.
Eastern Vice-President—W. W. Harrington, West Newton, Mass.

Western Vice-President—J. A. Bailey, Denver, Colo.

Northern Vice-President—H. C. Meatyard, Minneapolis, Minn.

Southern Vice President—E. E. Carter, Knoxville, Tenn.

Central Vice-President—J. R. Hill, Urbana, Ohio.

Secretary-Treasurer—C. A. Dutton, Pine Grove, Pa.

The club has offered a set of five special ribbons at some twenty leading shows this winter, besides offering twelve extra special annual meeting ribbons and four cash specials at Chicago, Jan. 25. Club membership fee, \$1.00. Every breeder who is not now a member should join at once. For application blanks, write to C. A. DUTTON, Secy-Treas.

Pine Grove, Pa.

PEDIGREE.

Good fowls from poor stock are not worth much as breeders. Good fowls of known ancestry are valuable to breed from in the proportion as their ancestors were continuously uniformly good when their progeny were measured by the standard and found fit. The important thing to know is, how like they were to the desired type; if they differed, where.

S. E. LANE.

Gurnee, Ill.

Cures all diseases of the feet
Pratts Peerless Hoof Ointment

Made by Pratt Food Co., Phila. Over 30 years old..

THE HEN.

Dear Reader:—Allow me to say at the beginning that I am not writing for the benefit of the experienced senior in the poultry business, but to the beginner or the amateur, and as such they must or at least they should know something about the formation of the creature with which he is so closely connected.

I will choose for my subject the "Hen." She is that being which is more commonly known to the average man than any of his other animal associates, and yet he has given her the least attention.

Strange it may seem, yet she belongs to the animal kingdom and in some respects is the most highly specialized of the Craniata. In her formation the hen is more closely allied to the reptile than the mammal. And I am induced to wonder if that is not why she prefers the shell of the oyster to surround, preserve and protect her offspring, while it is in its earliest stages of regeneration.

The hen is an air-breathing, egg-laying, warm-blooded, feathered vertebrate, with two limbs for perching or walking, and two limbs for flying. Her skeleton is more compact than those of the reptile or mammal, while at the same time it is lighter and the bones are harder and whiter.

The wings and legs of the hen are fitted for flight. Her legs are especially fitted for progression such as walking, hopping, running and also for perching and grasping. The thigh is so short that the knee is never seen outside of the plumage. The heel being the first visible point.

The toes which are four in number, always end in claws. Several years' experience as a breeder have taught me that the S. C. Brown Leghorn will use the latter most vigorously, if you doubt this, just give her a trial at your lettuce bed next spring.

I shall endeavor to describe her head, in which she has neither lips nor teeth, epiglottis nor diaphragm. The teeth are wanting because a heavy masticating apparatus in the head would prevent flight. The lips are also wanting. How often we hear the remark, "I wish I could fly like a hen." Now think which would you rather be, lipless, kissless, flying or loving, passionate human being.

Now since I have attempted to describe the skeleton of the hen and as I have said in the beginning, I was writing to the amateur, I would like to state what I consider a safe method of feeding the hen, so that good results may be obtained. Or in other words a method which I have used with great success.

That is corn in the morning, mixed grain at noon and a mash food consisting of wheat, bran and cooked vegetables. She should also be well supplied with shell, grit, charcoal and a limited amount of green-cut bone and beef scrap. Eggs produced from this ratio will be sure to satisfy the most delicate appetite.

CLARENCE C. HARTUNG.
Evans City, Pa.

Thomas Frazer, manager of the Union Cold Storage Co., Montreal, Canada, after a careful series of experiments, figures it out that the gross revenue from hens is over five times greater than that from the cow.

YOU WOULDN'T BE LOUSY WHY LET YOUR BIRDS?

TRIUMPH LICE REMEDIES are so easily applied, so effective, and yet so harmless, that there is little excuse for your fowls and your purse to suffer from the ravages of lice. Positively does not soil the plumage of white birds.

ELMDALE FARM

C. L. Duffield, Prop.

R. 11, Commercial Bldg., Marshalltown, Ia.

\$300

If you looking for a brooder that is a success from the start, that will enable you to have enough of them to properly care for your chicks without crowding, that will not cramp your purse, that is easy to clean, and one that applies the heat direct to the backs of the chicks. Send for free catalogue to the perfect.

BROODER SHOP, CELORON, N. Y.

Don't Buy an Incubator

Get a New Thought Hatching Machine



and take off a batch every 10-15 days. No, it's not an incubator. It hatches and the CHICKEN'S LIVE. It is all mental—good as gold to people who want a business machine. Catalogue A ready. Get it.

HASTINGS MFG. CO.,

Hastings, Neb.

Ohio Valley Squab and Poultry Farm

utility stock that will win in the show room, as shown by my winnings at the **PARKERSBURG and MARYETTA SHOW**, winning 8 firsts, 5 second and 3 third prizes out of 20 entries. Think of it. I am offering eggs from the following noted strains at Rock bottom prices. **B. P. ROCKS, W. P. ROCKS, W. WYANDOTTES, S. C. BUFF LEGHORNS, R. C. BROWN LEGHORNS, R. I. REDS and AMERICAN REDS or R. C. R. I. REDS.** Eggs, \$1.00 per 15, \$5.00 per 100.

M. A. SMITH, - - - Belpre, Ohio

C. C. RANDLEMAN, ..Breeder of High Class Exhibition..

..BARRED PLYMOUTH ROCKS..

BRADLEY BROS. STRAIN.

Won at the Charlotte Poultry Show, Jan. 17 to 20, 1905. First Cock, First Hen, First Pullet, Third Cockerel; First Pen and the Silver Loving Cup for best cock, hen, cockerel and pullet in show. I have my pens now mated for 1905 and ready to fill orders for eggs at \$2.00 to \$3.00 per 15. Write for mating list.

C. C. RANDLEMAN

Ramseur, N. C.

BAILEY'S ORPINGTONS HAVE



won 13 out of possible 17 first prizes at the late Chicago shows, 24 regular prizes not including specials. Also have birds that won first prizes at the St. Louis fair. I have eight varieties; R. C. & S. C. Blacks, Whites and Buffs and S. C.; Spangles and Diamond Jubilees. Have 20 pens to furnish eggs from to supply the trade. \$5.00 for 15; \$9.00 for 30 of my very best. Infertiles replaced, gratis. Send stamp for new colored catalogue that tells all about my Orpingtons. Now is writing time.

CHESTNUT GROVE ORPINGTON FARM

F. C. Bailey, Reading, Mich., R. R. No. 19

DON'T BURN MONEY

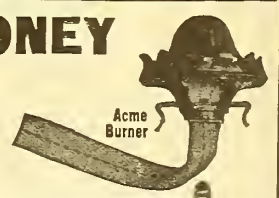
SAVE HALF

and get more heat and better light, by using

ACME SPECIAL BURNERS



Acme Trip Burner



Acme Gas Burner

Made in two sizes, No. 1 and No. 2. The No. 2 will make more heat and light than any No. 3 burner, and use 20 per cent less oil. The **Acme Trip** burner saves 1/2 the oil for incubator use, because regulator turns flame up or down as needed. Can't over-heat or char the wick. The **Acme Wick** requires no trimming, is special close woven and twice as thick as other wicks, and encased in seamless metal tube with composition burner tip. As the oil passes through this composition, it is purified and converted into gas, burning with an intense heat and a brilliant light.

NO SMOKE - NO SOOT - NO OFFENSIVE ODOR

These wicks are for the **Acme Burners** only, and will last from 30 to 60 days for Incubator use and 12 to 18 months for ordinary house use. **Acme Burners** fit any lamp. Give size of lamp collar when ordering. The **Acme Automatic Gas Valve** saves 75 per cent of gas for incubator use, because the regulator turns the flame down or up as needed. Burner tip can be located any distance and in any direction from the valve. For instance, burner can be placed under brooder hover and the valve remain on outside where it can be readily connected with regulator. Price of **Acme Burner** with wick, either size, pre-paid, 75c. Price of **Acme Trip Burner** with wick, either size, pre-paid, \$1. Price of extra wicks, either size, pre-paid, 10c each, 3 for 25c. Send for our complete catalogue of the **Acme Compound Regulators, Acme Automatic Lamps**, showing our latest combined damper and flame regulation, **Incubator Fixtures**, including the famous

PEERLESS INCUBATOR AND BROODER PLANS

Nearly 100 photographic views showing step by step every stage of Incubator and Brooder construction. It's free, send for it now.

H. M. SHEER CO., BOX 104, QUINCY, ILL.

Acme Wick

Acme Gas Burner

PEDIGREE BREEDING

For the Fancier and Utility Breeder.

The breeding of pure bred poultry in its best form is becoming more and more of a science every year, and breeders are practicing more care in the selection and mating of their best specimens than ever before. Many of the best and most successful fanciers are breeding only one or two hens in a pen, so as to keep the eggs separate and keep a pedigree of their best chicks, but this requires too much room for most breeders to follow, and the result is many breeders are not getting the full benefit of some of their best breeding birds. They realize well the advantages of an accurate pedigree system in the production of the highest uniform quality, but for some reason continue on in the same old way of breeding from pen matings and the result is they are unable to tell which of their females are producing their best chicks from year to year. Progress under such conditions is necessarily slow, but this method of breeding is no longer necessary no matter how limited the fancier finds himself for house room. The trap nest now enables him to mate up his regular breeding pens and yet keep each one of the hens' eggs separate for pedigree purposes. The style of nests now in use on my farm meet all the requirements of a simple practical and accurate trap nest. I use a common cracker box stood on end for the nest proper, and for the front of it I use the "Ideal Trap Nest" attachments, manufactured by F. O. Wellcome, Yarmouth, Me.

With four or five of these nests in a pen for eight females, I am able to keep each hen's eggs separated, so I can breed from any one or all of them and know just which hen is the mother of every chicken. For the benefit of those beginners who have had no experience with trap nests, and from the letters I

and crude have been the inventions placed upon the market for that purpose, but few having stood the test in practical work. The nests I am using work automatically, opening to admit the layer and closing and locking when she has entered. She is thus unable to get out until I open the nest for her and no other hen can unlock the nest to get in with her. When I release the hen that has laid the egg, I mark her leg-band number on her egg and in this way am able to keep each hen's eggs separate. When I have saved ten or twelve eggs from a hen I want to breed from, I set them in a nest by themselves and place no other eggs with them. Then when the chicks hatch they are marked with a small toe punch in the webs of their feet, and these marks recorded in a mating book. Thus each chick can be identified and its mother as well as its father known even when the hens are all bred in the same pen.

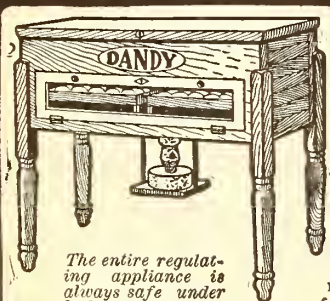
The greatest claims of the trap nest advocates have been along the lines of the benefit derived in picking out one's best layers, by keeping individual egg records of the hens and the advantage is great, but the greatest value of the trap nest lies in its use in keeping pedigree of the chicks from one's choicest breeding females. With an accurate pedigree system of this kind, the fancier increases many times his chances of success, and whether he is breeding for show birds, or layers, or both combined, he has a knowledge of the breeding value of his best birds that makes him practically master of the situation and eliminates largely the possibilities of mistakes and disappointments in the



EXCELSIOR
1st COCKEREL AT DETROIT 05. BRED, OWNED AND
EXHIBITED BY J. A. BARNUM, TEKONSHA, MICH.

BARRED ROCK MALE.
Bred and owned by J. A. Barnum, Tekonsha, Mich.

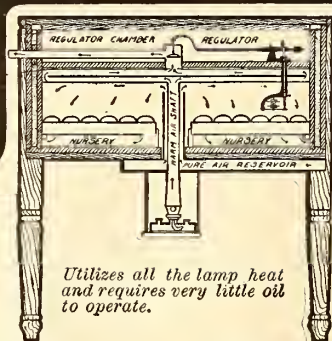
receive, I guess there are quite a few of them, I will say, trap nests are made for the purpose of trapping the hen when she enters the nest to lay. Many



The entire regulating appliance is always safe under lock and key.

Aren't They DANDYS

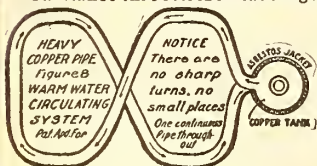
We hear this expression every day from delighted owners of **DANDY INCUBATORS AND BROODERS**. Of course there are good reasons for this enthusiasm; poultry people don't give taffy; a machine must **make good** before they will endorse it. Most purchasers expect more of a machine than it can accomplish. **DANDYS**, therefore, must more than make good our claims to win so many warm friends. Let us list just a few of the features that make



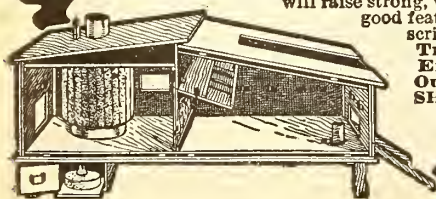
Utilizes all the lamp heat and requires very little oil to operate.

THE DANDY INCUBATOR

the most effective hatching apparatus ever built. It is the only incubator with heavy 3-in. walls—the lining being **Soapstone**—a substance that retains heat longer than any other material ever used for such purpose. Controls the temperature of the heated air within the heater itself. Spreads the heat equally to all parts of the egg chamber. May be quickly taken apart for cleaning heater and nursery. Does not require a specially constructed cellar to keep up the required temperature. Ventilating system furnishes each and every egg with pure air and oxygen. Perfect automatic moisture supplying device and warm water circulating pipe system. Is simple, practical and up-to-date in every detail—an incubator that will hatch every fertile egg. It embodies a lot of other improvements we would like for you to know about—all explained in our elegant new catalogue.



beats the old hen way of raising chicks. That's what they are built for. They never get tired or careless, don't trail the chicks through the wet grass, or trample them to death. Are the result of years of practical experimenting by a practical poultryman. Built throughout of the best grade of white pine and galvanized iron—the roof of the outdoor style also being made of galvanized iron. Heat is supplied by our own double brass bowl water jacket safety lamp, which is very simple and may be quickly removed. The outdoor brooder is a combined indoor and outdoor brooder and colony coop. Brooders are all large in size and contain 28 sq. in. floor space for each chick. They hover chicks same as nature; do not cause crowding in corners or produce bowel trouble or leg weakness. Can be instantly folded up either for shipping, storing or cleaning. Fastened together with long iron bolts from side to side instead of nails or hooks. Are stairless and furnish a safe, snug, sensible, sanitary chick shelter that will raise strong, vigorous birds with very little work and practically no loss. We tell you more of their good features in a new free catalog that will be worth money to you. It illustrates and describes the best line of **Portable Poultry Houses, Egg Trap Nests, Colony and Chick Coops, Folding Exhibition Coops**, etc., ever built, and explains **Our Free Trial Plan and \$1000.00 PROFIT SHARING CONTEST**. Write for catalog today.



The Dandy Poultry Novelty Co.
Box 23, Danville, Ill.



\$5,000

Reward will be paid to any person who can find one atom of opium, chloral, morphine, cocaine, ether or chloroform in any form in any of Dr. Miles' Remedies.

This reward is offered because certain unscrupulous persons make false statements about these remedies. It is understood that this reward applies only to goods purchased in the open market, which have not been tampered with in any way.

Dr. Miles' remedies cure by their soothing, nourishing, strengthening and invigorating effects upon the nervous system, and not by paralyzing and weakening the nerves as would be the case if these drugs were used.

For this reason Dr. Miles' Anti-Pain Pills are universally considered the best pain remedy

"I have suffered for 25 years with severe pains in my head, heart and back, and have tried everything I could get and could not find any relief until I got a box of Dr. Miles' Anti-Pain Pills. I suffered as long as 12 hours at a time with such severe pains that I feared I would lose my mind. The Anti-Pain Pills gave me relief in from 10 to 20 minutes. I do not have to use Morphine any more. I wish you would publish this so that other sufferers may find relief."

I. A. WALKER,

R. F. D. No. 6, Salem, Ind.
Dr. Miles' Anti-Pain Pills are sold by your druggist, who will guarantee that the first package will benefit. If it fails he will return your money.
25 doses, 25 cents. Never sold in bulk.
Miles Medical Co., Elkhart, Ind



A Great Opportunity

to secure A. I. White Plymouth Rocks is offered by Mrs. J. H. Orebaugh, Proprietor of the Phoenix Poultry Farm, Batavia, Ohio. A grand lot of cockerels and pullets yet to offer.

Eggs for Hatching

Send for illustrated circular. Free.

Century Sprayer

The one that's suited to most purposes of the most fruit growers. The practical kind.

Bronze Ball Valves, Brass Cylinder, Brass Plunger, Indestructible Fabric Packing, Perfect Working Agitator.

Price is right. Send for elegant catalogue. Describes 30 styles sprayers—the great Deming line.

The Deming Co., Salem, O.
HENION & HUBBELL,
Western Agents, Chicago, Ill.

A tablespoonful of kerosene in a quart of drinking water will cure sneezing in young stock.

matings and the results obtained from them.

With the advent of accurate and practical trap nests and pedigree breeding, the conviction is growing in the practicableness of combining the highest uniform quality of both utility and beauty in the same strain of fowls. I have always been at a loss to understand exactly why there ever should have been any question as to its being practicable to breed the best quality in Standard points, and the persistent laying habit into the same strain of fowls.

There is no question but that it is easier to accomplish one's object, if one confines themselves to a single line of work. The breeder who makes egg production his one aim, or the fancier who works first, last and all the time for fancy points and winning quality, will no doubt, be able to reach the object in view with less trouble than the man or woman who attempts to produce both the fancy points and the best business qualities in the same strain, but who will deny that after all the breeder who enjoys solid satisfaction is the man or woman who produces the stock that has both the winning and laying qualities combined. Our most conservative breeders and fanciers believe the time has come when more attention must be given to the practical money earning qualities of pure bred poultry. If this is done, slipshod methods will have to give place to accurate systems of pedigree breeding, in no other way can substantial progress be made.

The greatest milking strains of pure bred cattle and the best draft and driving horses in the world today are the product of careful selection and pedigree breeding for generations, and by just such a system will the highest uniform excellence be produced in pure bred fowls. There are hens in every flock that are much better layers than the majority of the flock, and if the best of these were selected for breeding purposes and a pedigree record of their chicks kept, using the cockerels which showed best quality in size, shape, color and other standard points for breeders, the persistent laying habit could be bred into any strain of fowls in a few years without impairing their show quality. Continual selection in this way will produce a strain of phenomenal layers just as surely as the same system of selec-

tion and pedigree breeding is producing cows which are phenomenal producers of milk and butter.

Every fancier should be able to keep an accurate pedigree of his chickens, even if he care for nothing but the fancy side of the question, for only by such a system can he make the best use of the stock he raises each year in mating up his breeding yards for the following season. An accurate knowledge of the breeding value of each individual hen is worth all the time and labor it costs to any man or woman who is working to produce quality.

Trap nests and pedigree breeding are not fads, they have come to stay and every year will find more of the best fanciers and breeders using some such system to give them an accurate knowledge of just which females in their yards are producing their best birds and which hens it is that are giving the unsatisfactory results. The possibilities of pure bred poultry breeding along the combination of the fancy and utility lines is far beyond the thought of the majority of breeders and fanciers. Where a correct system of selections and individual matings is followed up for a term of years, a uniform quality is attained which makes a strain of fowls exceptionally valuable as breeders, and makes progress along both the fancy and utility lines a practical certainty each successive season. Under the most favorable conditions and with the best and most carefully followed systems, progress is slow enough, and no aggressive breeder to-day can afford to ignore any system which will give him added advantages in producing the best specimens of his variety.

Nothing will contribute more to any breeder's success than the knowledge of the breeding value of their fowls which they can obtain by the use of trap nests and a pedigree system.

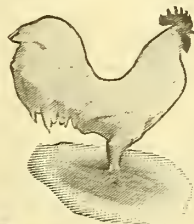
VICTOR D. CANEDAY.

Box A, Taylors Falls, Minn.

Vaseline is valuable in cases of chicken-pox. The ointment should be well rubbed on the comb, face and wattles.

For feverish horses Pratts Prepared Fever Powder.

Made by Pratt Food Co., Phila. Over 30 years old.



Many Of

THE FIRST PRIZE WINNERS

At New York, Chicago, St. Louis World's Fair, Philadelphia, and other large shows, were from our celebrated breeding yards.

OUR SIX POPULAR VARIETIES

White Leghorns, White Wyandottes, White P. Rocks Barred Ply. Rocks, Black Minorcas, Light Brahmas

have for seventeen years been bred to win, and do win in the hottest competition. Eggs from our matings have produced winners of highest honors in all parts of the country.

Our Winnings During the Past Ten Years are Unequaled. The latest were at 1905 Boston show. We won 24 regular and 9 special prizes, and the \$100 championship cup. Our matings for 1905 are better than ever, and the quantity of high quality stock in our yards is greater than ever. Over 6500 birds now mated to supply your wants.

EGGS

From exhibition matings of grand show stock \$5 per 12, \$10 per 36, \$20 per 100.
From laying matings of great egg producers, \$2 per 12, \$8 per 100, \$70 per 1000.

Breeders of
Angora Goats and Fox Terrier Dogs
(Splendid Rat Catchers)



Illustrated catalogue mailed free.

ELM POULTRY YARDS

Box 121, Hartford, Conn.

Grant M. Curtis,
President.

Cyphers Incubator Company

BUFFALO,
N. Y.
U. S. A.

Branch Houses: New York. Boston. Chicago. Kansas City. San Francisco. London, Eng.

Buy A Certainty

When you buy an Incubator! Why take chances when you can buy a hatching machine, made by the largest manufacturers of incubators in the world, that is **Positively Guaranteed** to do satisfactory work in your hands, on 90 days trial, (ample time for four test hatches of 21 days each,) **you to be the Judge?** Following is **Our Guaranty**, which no other manufacturer of incubators has ever duplicated or equalled;

CYPHERS COMPANY'S 1905 GUARANTY.

TO WHOM IT MAY CONCERN: We, the Cyphers Incubator Company, legally incorporated under the laws of the State of New York, and each member thereof, hereby agree, as a company and as individuals, that if in any case Cyphers Incubators, Brooders or other Manufactures are found not to be as represented by us, or will not do the work claimed for them, they can be returned at any time within ninety (90) days of the date of purchase, and if in good condition, less reasonable wear, we will immediately refund the price paid for same.

CYPHERS INCUBATOR COMPANY,

Grant M. Curtis, President.

Henry E. Moss, Vice-President.

Geo. E. Littlefield, Secretary.

Thirty Days Trial Is Not Long Enough.

materials and workmanship. **THE FOUR TRIALS** that can be made during the **NINETY DAYS TIME WE ALLOW** for thoroughly testing our Standard Cyphers Incubators, **1905 PATTERN**, is a trial on which you can place complete reliance. Furthermore, please bear in mind that **YOU, AS THE PURCHASER, ARE TO BE THE JUDGE.** In other words, we guarantee that the **Standard Cyphers Incubator** will do satisfactory work in your hands, not merely that it has done well for some one else. **OUR TRANSACTION IS WITH YOU**, and our **GUARANTY**, the strongest ever made by any incubator company, is backed by every dollar we have in the world. (See Bradstreet's Jan. 1905, Mercantile Book for this Company's Commercial rating, "\$100,000 to 150,000," with "highest credit".)

Sample Solid Facts: **FACT ONE,** Cyphers Incubators are used on **More Government Experiment Farms** in the United States, Canada and other English-speaking Countries than all other makes of incubators combined.

FACT TWO, Cyphers Incubators are used on **more large and successful poultry plants** than all other makes of incubators combined.

FACT THREE, Cyphers Incubators are used successfully by **more breeders of exhibition fowls** than other makes of incubators combined.

Some of the Incontestible Proof of the claims, (brought right down to date!) is submitted herewith, for our complete case, **proving every claim we make**, see pages 121-228 of our Catalogue and Guide for 1905 sent free for the asking.



Jan. 3-7, 1905.
Madison Square Garden,
NEW YORK.



Jan. 23-28 1905.
Coliseum Building,
CHICAGO.



Jan. 17-21, 1905.
Mechanics Building,
BOSTON



Oct. 24, Nov. 5, 1904.
World's Fair, 1904,
ST. LOUIS.

AMERICA'S LEADING WINNERS HATCHED IN CYPHERS INCUBATORS. READ THIS SEASON'S EVIDENCE.

WORLD'S FAIR, 1904.

"All our Buff Orpingtons that won at the World's Fair, St. Louis, October 24 to November 5, 1904, were hatched in Cyphers Incubators. At this great exhibition we won seven out of a possible ten firsts, as follows: Single Comb Buffs—First and second cocks; second cockerel; first and second pullets and first pen. Rose Comb Buffs—First cock; second and third hens; first cockerel; first and second pullets and first pen."—J. M. Williams & Co., Box D, North Adams, Mich., December 6, 1904.

BOSTON, 1905.

"Every bird I exhibited in Mechanics Building, Boston, Mass., January 17-21, on which I won a prize, was hatched in Cyphers Incubators. At this show I won on my S. C. White Leghorns 1, 2 cocks; 1, 2 hens; 1, 2 cockerels; 1, 2 pullets and first exhibition yard."—D. W. Young, Highland, N. Y., February 1, 1905.

BOSTON, 1905.

"A majority of my prize-winning Rose Comb Black Minorcas at Boston, January, 1905, including several winners of first prizes, were hatched in my Cyphers Incubator. At this exhibition I won, 1, 2 cocks, 2, 3, 4 and 5 hens, 1, 2, 4 and 5 cockerels and 1 pen."—Geo. H. Northrup, Raceville, N. Y., Jan. 20, 1905.

WORLD'S FAIR, 1904.

"Every bird I exhibited at St. Louis was hatched in a Cyphers Incubator. On these birds I won special first prize for best display; also second, fourth, sixth and seventh cocks; first, third and sixth hens; fourth cockerel; second, fifth and seventh pens; also the most coveted of all prizes at this great show, viz., special first prize for best display, besides nine other special prizes. I wish to add several more of your incubators for next season's hatching. Kindly send me your 1905 prices."—U. R. Fishel, Hope, Ind., December 10, 1904.

NEW YORK, 1905.

"Our Buff Orpington cock bird that won first at Madison Square Garden, 1905; also our third prize cock bird were hatched in one of your 120-egg incubators in England, and our first prize Black Orpington pullet at the same show was hatched in one of your machines in this country. Our first prize White Orpington cockerel, first prize Jubilee Orpington cock and first prize Spangled cock bird, all winners at Madison Square Garden, 1905, besides many other winners at other shows, also were hatched in your machines."—Wm. Cook & Sons, Scotch Plains, N. J., Jan. 21, 1905.

CHICAGO, 1905.

"It affords me satisfaction to inform you that the first prize breeding pen, first cockerel and second pullet at the last Chicago show in the R. C. Black Minorcas, were hatched in a

Cyphers Incubator and raised in a Cyphers Brooder. The cockerel weighed 8 lbs. and the pullet 6 3/4 lbs., when they started for the show. This pair of prize winners represented the largest and most vigorous birds I have ever raised. All my show birds in the future will be hatched and raised in your machines."—S. T. Campbell, Mansfield, Ohio, Jan. 30, 1905.

CHICAGO, 1905.

"A large percentage of our prize-winning Golden Wyandottes at Chicago, January, 1905, and at the World's Fair, St. Louis, October 24-November 5, 1904, were Cyphers-hatched chicks. At Chicago we won 1, 2 and 5 cockerels, 4 hen, 2 pullet and 2 pen; at the World's Fair, 4 cock, 4 cockerel, 1 and 3 hen, 5 pullet and 4 pen."—B. F. Hislop, Milford, Ill., January 31st, 1905.

NEW YORK, 1905.

"It affords me pleasure to state that my first prize Black Minorca cockerel and pullet, first prize White Plymouth Rock cock and cockerel (weight 12 1/2 lbs.) and first pen at the late Madison Square Garden show, were hatched in Cyphers Incubators, raised in Cyphers brooders and fed exclusively on Cyphers Chick Food, and their home from brooder to winter quarters was a Cyphers Colony House. They even drank their water from Cyphers drinking fountains."—John H. Santee, Grey-stone Poultry Farm, Yonkers, N. Y., January 24, 1905.

The Foregoing

are but a few among many similar reports we have received and that appear in our **Free Printed Matter**. Let us merely emphasize the further fact that if **Standard Cyphers Incubators** will hatch the **first prize winners at America's Greatest poultry shows**, they will hatch market poultry equally well for the farmer and villager—for the practical poultry raiser everywhere. **Not only "Quality," but "Quantity"** also will result from your use of the Standard Cyphers. Again we say, **Read the Evidence** in this case, not from poultry fanciers, but

From Farmers and Farmers' Wives:

"My banner hatch was 345 chicks out of 360 eggs."—J. F. Ramsey, Mortonville, Pa.

"I got 305 chicks out of 313 fertile eggs."—Edward Sharpe, Genoa, New York

"From 360 eggs we have hatched 317 of the brightest, and strongest chicks I ever saw."—Frank B. Taylor, Prompton, Pennsylvania,

"I hatched as high as 314 chicks out of my 360 egg Cyphers."—Herman Friedl, Haskell, Ind.

"We obtained today 327 strong, healthy chicks from the 360 egg Cyphers."—Sprague Bros., Florence, Ohio.

"I have a Cyphers Company 120 egg Incubator in which I hatched, last spring 101 chickens from 105 (untested) eggs."—Mrs. Joseph Yuill, Carleton, Ontario.

Grant M. Curtis,
President.

Cyphers Incubator Company

BUFFALO
N. Y.
U. S. A.

Branch Houses From Ocean to Ocean.

Goods Sold by More Than 6,000 Dealers.

Eight Years of Triumph in the hands of men and women in all walks of life, under all conditions and in every civilized country on the globe, prove beyond question the **STERLING MERIT** of the **Standard Cyphers, Patent-Diaphragm, Non-Moisture, Self-Ventilating and Self-Regulating Incubators**. Do not be deceived by false claims! Remember that the really salient features of our Standard machines are protected by Letters Patent. Beware of inferior imitations and **UNLAWFUL INFRINGEMENTS**. Buy the genuine made only by this Company bearing our registered trade-mark, covered by our guarantee of "personal satisfaction" and sold at our six places of business (see addresses) and by this Company's authorized agents. **LOOK FOR THE TRADE-MARK;** it stands for "Genuine" and means Certainty, or your money back.

Need We Say More? Yes, **THIS:** That notwithstanding the fact that our 1905 pattern Standard machines are much improved over the older styles (for particulars see our January and February advertisements in this Journal; also pages 15 to 43 of 1905 catalogue,) the prices for these "World's Standard Hatchers" have been considerably reduced, as the result of important savings accomplished in their manufacture by an increase of capital, the introduction of labor saving machinery and a greatly enlarged output. For the season of 1905, regardless of consequences.

Our \$14, 60-egg size incubator will be sold for	\$12.00.
Our \$20, 120-egg size incubator for	- - \$17.00.
Our \$29, 220-egg size incubator for	- - \$24.00.
Our \$37, 360-egg size incubator for	- - \$30.00.
Our \$58, 440-egg size double-decker for	- - \$48.00.
Our \$78, 720-egg size double-decker for	- - \$60.00.

In addition to the foregoing we are offering for 1905 two special low-priced incubators at \$10.00 and \$6.50 each, respectively; the **Farm-Economy** (100-egg capacity) and **"Boy's Choice"** (50-egg capacity,) also two new styles of outdoor brooders, the **Storm King**, in two sizes, which sell at \$6.00 and \$8.00 each, holding 50 and 100 chicks respectively, and a new indoor brooder, the **Hare-Curtis Hygienic**, a new departure in brooder construction that we believe will prove a great boon to poultrymen.

PEA-GREEN ALFALFA, Richest in Protein! The Early Green Food!!

Our new poultry food, clover and alfalfa mill at Kansas City, Mo., (the largest of the kind in the world—30,000 square feet of floor space: capacity four cars daily) is now in full operation and car loads of pea-green alfalfa in three forms, **short-cut, shredded, and meal**, are in stock at our six places of business, **ready for prompt shipment**. These goods are sold in sealed bags only, each bag bearing our trade-mark. Prices: Short-cut and shredded, 100 lbs., \$1.75; 50 lbs., \$1.00. Meal, 100 lbs., \$2.00; 50 lbs., \$1.10. All f. o. b. cars New York City, Boston, Buffalo, Chicago or Kansas City. Samples by mail, **free** on request. Address nearest office.

CYPHERS CHICK FOOD

A complete, ready mixed, balanced food for little chicks,

furnishing every element needed to properly nourish and rapidly develop bone, flesh and feathers. Our motto: "Quality first; price as low as we can make it". The extraordinary cost of wheat and other grains the present season positively will not affect either the quality or price of our trade-mark brand of chick food: **On this you can rely**—Cyphers Chick Food is today the **Standard**, and we shall keep it so despite the present high prices of grain.

THIS IS THE YEAR when poultrymen will profit greatly by our resolve to **keep up the quality and keep down the prices** of all our poultry foods. The cost of wheat, for example, is nearly twice what it was when the prices of these poultry foods were fixed four years ago, but the establishment of our large and perfectly equipped poultry food and alfalfa mill at Kansas City, Mo., the **chief primary grain market of the world**, the use of special machinery installed at heavy cost and the shipment of goods in car lots at lowest freight rates, have enabled us to partly offset the large increase in the prices of raw materials and thus keep the quality the same, (as a matter of fact we have improved it) and to still sell at the same prices as heretofore. **On your part we ask that you do us the justice to compare our chick food with others on the market—not with samples, BUT WITH ACTUAL SHIPMENTS.**

OUR KANSAS CITY MILL manufactures **nothing but poultry foods and clover and alfalfa products**—no breakfast foods nor ordinary stock foods. From us every customer will receive **absolutely sound, cleanly cut dust-free grains**, not by-products, waste materials and sweepings that remain after putting the better parts of the grains into other foods. We buy for this special purpose every bushel, every ounce of grains and seeds we use!! **That is why Cyphers Chick Food is the Standard.**

It makes chicks healthful; being scientifically balanced (by analysis); it aids digestion and thus prevents diarrhoea and bowel trouble.

It makes chicks grow, because it is compounded by experienced poultrymen who have spent the greater part of their lives in the business of raising chickens.

It makes chicks feather right—no ragged plumage, drooping wings and death-marked, weary-looking chicks, because the feather-making material is in this food in correct proportion. The best known and most successful poultrymen in the country now use and publicly endorse Cyphers Chick Food. This fact proves its high utility value. Here are a few brief extracts from what scores of them say:

"We hatched over 10,000 chicks. We always feed Cyphers Chick Food for the first three weeks."—Jordan Poultry Farm, Hingham, Mass.

"With your prepared foods we have no difficulty in making our chicks live and grow."—Lakewood Farm Co., Burrsville, N. J.

"All our chicks are fed on Cyphers Chick Food and we do not lose any sleep thinking how many dead chicks we will bury in the morning."—Bonnie Braie Poultry Farm, New Rochelle, N. Y.

"Fed on your chick food my birds grow from shell to show room, winning there the best prizes for me at leading shows."—Chas. V. Keeler, Winamac, Ind.

All my New York winners during the past two years were reared on Cyphers Chick Food and I shall never again attempt to raise chicks without it."—Chas. H. Welles, Stratford, Conn.

Free Samples, will be sent by mail, postpaid, to any address. Ask nearest office. Sold by hundreds of agents and dealers located in all parts of the country, many of whom buy in car lots. Write today for name and address of agent nearest you, thus obtaining the **Genuine Article** and **saving time and freight charges**. **Cyphers ready-mixed poultry foods** (Chick Food, Laying Food, Scratching Food and Forcing Food) are put up by us in **sealed bags**, bearing registered trade mark. **See that seal is not broken.** Accept no substitute. We challenge comparison and guarantee results when directions are followed. Sixteen-page booklet, entitled "Foods and Feeding" in every page telling how to feed. Please send for **free sample**, by mail, postage paid.

Six Places of Business. To facilitate the better handling of our business and to **SAVE OUR CUSTOMERS TIME AND MONEY**, we maintain six places of business, shipping to each branch house in car lots. Inquiries and orders sent to any of these offices will receive prompt attention. All goods will be **SHIPPED FROM STOCK DEPOT NEAREST YOU**, thus saving you **TIME AND FREIGHT CHARGES**.

Our 1905 Catalogue is the largest and finest book we have issued. Consists of 228 pages 8x11 inches in size. Contains six Special chapters on profitable poultry keeping. There are more than 450 illustrations, including latest portraits of 150 best-known authors, judges, fanciers, editors, professors of poultry husbandry and owners and managers of the world's largest and most successful poultry plants. One hundred and twenty pages devoted to an illustrated description of the Cyphers Company's exclusive manufactures, as named herewith. **WILL BE SENT FREE**, postpaid, to every reader of this advertisement who will send us his name and the names and addresses of two friends or acquaintances who are known to be interested in poultry for profit. Please mention this paper and address nearest office.

CYPHERS INCUBATOR COMPANY,

BUFFALO, N. Y., Court and Wilkeson Streets.
CHICAGO, ILL., 310 Fifth Avenue.

BOSTON, MASS., 26-30 Union Street.
KANSAS CITY, MO., 2325 Broadway.

NEW YORK CITY, 21-23 Barclay Street.
SAN FRANCISCO, CAL., 329 Sansome Street.

Winners of the National White Wyandotte Club—Specials at the Madison Square Garden Show, New York, Jan. 2-7, 1905.

\$10.00, 1st cock, F. H. Dillingham, Ridgewood, N. J.; \$10.00, 2nd cock, Oceanside Poultry Yards, Rockville Center, N. Y.; \$10.00, 3rd cock, Horace Havermeyer, Stamford, Conn.; \$10.00, 4th cock, Mack, Witters & Britton, Woodstock, Vt.; \$10.00, 5th cock, D. Lincoln Orr, Orr's Mills, N. Y.; \$10.00, 1st hen, Ross C. H. Hallock, St. Louis, Mo.; \$10.00, 2nd hen, Orchard Hill Poultry Farm, Sewickley, Pa.; \$10.00, 3rd hen, Abigail Adams Poultry Farm, Irvington, N. Y.; \$10.00, 4th hen, Mack, Witters & Britton, Woodstock, Vt.; \$10.00, 5th hen, Orchard Hill Poultry Farm, Sewickley, Pa.; \$10.00, 1st cockerel, Ross C. H. Hallock, St. Louis, Mo.; \$10.00, 2nd cockerel, Orchard Hill Poultry Farm, Sewickley, Pa.; \$10.00, 3rd cockerel, F. P. Pulsifer & Co., Natick, Mass.; \$10.00, 4th cockerel, Abigail Adams Poultry Farm, Irvington, N. Y.; \$10.00, 5th cockerel, Orchard Hill Poultry Farm, Sewickley, Pa.; \$10.00, 1st pullet, Ross C. H. Hallock, St. Louis, Mo.; \$10.00, 2nd pullet, F. Y. Wykoop, Bath, N. Y.; \$10.00, 3rd pullet, Orchard Hill Poultry Farm, Sewickley, Pa.; \$10.00, 4th pullet, Rumson Farm Poultry Yards, Red Bank, N. J.; \$10.00, 5th pullet, Horace Havermeyer, Stamford, Conn.; \$10.00, 1st pen, Ross C. H. Hallock, St. Louis, Mo.; \$10.00, 2nd pen, Orchard Hill Poultry Farm, Sewickley, Pa.; \$10.00, 3rd pen, Horace Havermeyer, Stamford, Conn.; \$10.00, 4th pen, A. C. Hawkins,

Lancaster, Mass.; \$10.00, 5th pen, J. H. Jackson, Hudson, Mass.; \$20.00, 1st collection, Ross C. H. Hallock, St. Louis, Mo.; \$20.00, 2nd collection, Orchard Hill Poultry Farm, Sewickley, Pa.; \$20.00, 3rd collection, Horace Havermeyer, Stamford, Conn.; \$20.00, 4th collection, Abigail Adams Poultry Farm, Irvington, N. Y.; \$20.00, 5th collection, Mack, Witters & Britton, Woodstock, Vt. Silver cup for best display, Ross C. H. Hallock, St. Louis, Mo.

Table showing number of White Wyandottes in regular classes at New York shows for last six years:

1900	1901	1902	1903	1904	1905
168	172	130	174	232	483

—o—

The Seventh Annual Meeting of the Rhode Island Red Club of America was held at the Boston Show, Jan. 19, 1905. There were nearly one hundred members in attendance, and as usual a large amount of enthusiasm was manifested.

The secretary's report showed a gain of one hundred and forty-three members since the last meeting—a gain of nearly 100 per cent. The present membership reaches three hundred and twenty-eight. During the past year the club has offered \$100 in cash prizes at St. Louis, \$60 cash and a \$25 trophy at Boston, besides over three hundred special club ribbons, placed among the representative shows from Maine to California.

Of the three thousand copies of the club catalogue, "Red Hen Tales," which were issued, twenty-four hundred have been sent out to those requesting them. Requests for copies have come from every state in the Union, from various parts of

Canada, from South America, Germany, England, and Australia.

After accepting the secretary's report the club expressed in a very hearty way its thanks to Hon. C. M. Bryant for his efforts in securing the admission of the Single Comb Reds at Rochester.

The secretary was authorized to offer cups to be competed for by members only, in the various states where there are ten members—the honorary vice-president for the state to be consulted about the place where the cup shall be offered.

All the 1904 officers were re-elected by acclamation with the exception of the vice-president from Kansas, Dr. J. Martin, whose resignation was received and accepted, and in his place William Munroe, Florence, Kan., was elected.

Paragraph Two of Section Eleven of the By-laws was changed to read: "Members six months or more in arrears shall be dropped from the membership roll after having been duly notified by the secretary."

The advisability of holding the annual meeting of the club at some place other than Boston was discussed and the general feeling was that if it could be made possible to have a meeting in the West, which would be representative, it would be advisable. About 75 per cent of membership is now in New England, but the West is giving us a great many new members. The prominent breeders have heretofore been in the East, but we now have good Reds in nearly every state in the Union.

It was thought best to encourage local sections of the club to hold meetings in each state where cups are offered.

ORPINGTONS BUFF, BLACK, WHITE 12 firsts and silver medal at late December 1904, and Jan., 1905, Chicago shows, where the finest birds in the States were shown. Two select matings in each variety. The cream of our winners and selection from 600. EGGS (positively our very best) \$5 per 15, \$9 per 30, \$16 per 60. All infertiles replaced free. Don't be deceived by the high sounding claims of others. We can and will furnish you as fine eggs as money will purchase. Eggs from carefully mated pens of Buff Orpingtons \$2 per 15, \$10 per 100, \$90 per 1000. C. S. BYERS, Box A, Hazelrigg, Ind.

AUTOCRATS OF SHOW ROOM AND UTILITY

Black Minorcas

White Plymouth Rocks

Make a record—win at late Madison Square Garden, N. Y. Show, eight 1sts, two 2ds, including 1st pen each variety in the largest and strongest classes ever in the Garden. If you want quality, breeders or eggs for hatching from the BEST, send for our new illustrated catalogue. 2 cent stamp appreciated if handy.

GREYSTONE POULTRY FARM

YONKERS, N. Y.



White Wyandotte Eggs

From the "Original World's Best" Strain

of J. C. Fishel & Son

Now is the time to buy eggs. Prices on eggs. Prices \$5 per setting of 15 eggs, of 50 eggs for \$15, selected from that yard. Now if you wish eggs from a special yard the price is \$10. See catalogue. We can ship eggs any distance with perfect safety and guarantee hatch. Our matings for this season will simply be immense—fourteen yards, and not a bird that shows a tinge of brass or straw color. They are absolutely white, stay white, and are all winners. Note our winnings in catalogue, and also our last show of 1904; is not that proof of our claim, "THE WORLD'S BEST?"

At the Indianapolis State Poultry and Pet Stock Show, 1904, winning seventeen prizes out of twenty-one entries, besides \$25 silver cup given by White Wyandotte Club for best display; W. Wyandottes and many other specials: 1, 2, 4 cocks; 1, 2, 3, 4 cockerels; 1, 2, 4, 5 hens; 1, 2, 4, 5 pullets; 1, 2, 3 pen. Now is not that convincing evidence that Fishel's Strain of Stay White Wyandottes are the original world's best? If your stock lacks in head points, pureness of color, or the typical Wyandotte type, you should certainly improve your stock. This you can do by making a small investment in eggs with us.

OUR GUARANTEE: We guarantee nine chicks to each setting of fifteen eggs, or if the purchaser fails to get this per cent, we will duplicate the order at one-half price. We feel that any of our customers having the confidence in us to place their orders with us, we should have equally as much confidence in them to take their word for report of hatch, hence this proposition.

Send for catalogue or order direct from this ad.

J. C. FISHEL & SON

Box J, Hope, Ind.

The executive committee was instructed to issue a new catalogue and the sense of the meeting was that every member should make every possible effort to swell the membership roll as well as the advertising pages. The 1904 catalogue has proved a very valuable advertising medium, since it reaches the most desirable class. The co-operation of every earnest breeder of Reds is solicited.

W. J. DRISKO,
Secretary and Treasurer.
Somerville, Mass.

Booneville, Mo., Feb. 19, 1905.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: We noticed a short article in your last issue about shipping coops, and it occurs to us that a number of fanciers (?) need stirring up on this feature of the business. Probably the worst shipping coop or box we ever saw arrived at our office several weeks ago. The box contained two buff turkeys and one buff male bird. The box was 30 inches long, 18 inches wide and 17 inches high, outside measurement. One end was partitioned off for the turkeys. This shipment came from Ohio and was probably cooped up for more than 48 hours in a box about half as large as it should have been. We don't believe that a man can be a true fancier who will be so cruel as to crowd birds as these were, and the express companies should refuse to accept such shipments. Shipping coops should always be high enough to allow the bird to stand and wide and long enough to avoid crowding. When

Have you a bottle in the stable?

Pratts Distemper Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

a customer orders a bird he has a right to expect that it be sent him in a decent and humane manner. For a single Langshan we coop in coops 22 to 24 inches high, 11 inches wide, 22 to 24 inches long. We use a slat coop (slats not less than three inches apart), covered with muslin. In cold weather we first cover with two or three thicknesses of paper before tacking on the muslin. Put a thin muslin (but no paper) over the entire top. This keeps out drafts and keeps the bird's head in and gives plenty of ventilation.

CHAS. G. MILLER & SON.
Boonville, Mo.

THE INTERNATIONAL BANTAM BREEDERS' CLUB.

The International Bantam Breeders' Club met on January 27th at the Coliseum during the Chicago show. At this exhibition the club offered several silver cups and a large number of cash specials to members, both of which drew out a highly meritorious class of bantams. At the annual meeting of the club Mr. E. J. W. Dietz, Downers Grove, Ill., was elected President and Frank W. Radford, Oshkosh, Wis., was elected Secretary and Treasurer. The next meeting of the club will be held with the Chicago show during the last week in January, 1906.

The International Bantam Breeders' Club is organized for the purpose of encouraging the breeding and exhibition of all varieties of bantams. At the club show a handsome array of special prizes are offered, and in each state where there are ten members a silver cup is offered by the club at such show as the members in that state may select. An active campaign has been begun by the

secretary in securing members for this club, and everyone interested in the little birds and their advancement should write him for complete information and application blanks. The initiation fees and first year's dues are \$2, payable in advance.

Any breeder who joins this club will not only benefit himself directly, but will make it possible for the club to interest others in the breeding of bantams. This will, of course, be an indirect benefit to all. You will be conferring a favor upon the secretary and the club if you send the names of other breeders of bantams who would like to receive full information when you send in your own application.

FRANK W. RADFORD, Secy.
Oshkosh, Wis.

EARLY HATCHING.

The proverbial saying that "the early bird gets the worm," is nowhere more plainly verified than in hatching chicks. Early hatching requires fewer eggs to get the desired number of chickens. Early hatched chickens are always more thrifty, make best show birds, find readiest sale on provision markets, as well as on the fancy market; lay first and best and bring forth better offspring.

Quincy, O. M. E. SULLIVAN.

A cheap and effective lice remedy is said to be a pound of moth balls dissolved in a gallon of kerosene, and applied to the roosts once a month.

Sales stables use Pratts Heave Cure. It must be good.

Made by Pratt Food Co., Phila. Over 30 years old.

Something
New



Strathmann's Poultry Yard Seeder

A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in 1 year. Its weight is 30 lbs., sows 2 rows 10 ins. apart and cultivates your ground. Will do what all poultrymen and journals say, keep your chickens scratching. Our seeder has proved itself a winner at the Chicago poultry show by having a larger attraction than any other exhibit. Simple, durable and practical; can't get out of order. Any boy or girl can operate it. Send for circular.

Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.



To Distribute
Grain and Seeds
For Scratching
Fowls.

Here's the Answer

The Gem Incubator is a thoroughly reliable hatching machine. It is constructed in the most approved, substantial manner. It embodies features that make it the easiest and simplest machine to operate on the market. Thousands sold, and every purchaser has only words of praise for the Gem. Our catalogue is full of answers to every question. But the feature we like to emphasize most and that puts the

GEM INCUBATOR

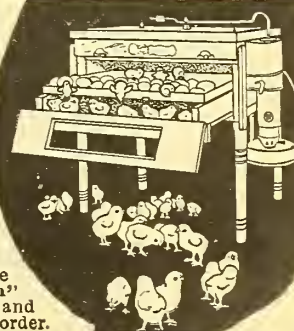
in a class by itself and above all others is the Removable Chick Tray and Nursery, which can be entirely removed from the machine for transferring chicks to brooders, and enables you thoroughly to dust machine without getting on your knees and reaching at arm's length back into the egg-chamber to do it.

No other incubator has this handy feature. When you fully appreciate the advantages of this one improvement it will be "reason enough" why you should buy the Gem Incubator. Write for FREE catalog and learn all about the removable chick tray and nursery before placing your order.

GEM INCUBATOR CO., BOX B, DAYTON, OHIO

WHICH
IS
BEST

THE GEM



REJUDGING THE SHOW.

We are not altogether in favor of editors rejudging the shows. However, they should not print matter that would be misleading to the buyer. For instance, Mr. So-and-So wins first honors on a bird that would not honestly score better than 85 points. Should the editor hold him up to the readers of his paper as an acceptable specimen for his customers to patronize? When the buyer is once led astray he ceases to have faith

in the journal, and the editor in shielding his customer has harmed himself.
Batavia, O. MRS. J. H. OREBAUGH.

CLEANLINESS.

You have no doubt heard of the man who took a bath once a year whether he needed it or not. Do not clean your hen house this way. Clean it often. It is worth the trouble just to see the fowls enjoy it. When I clean the dropping

boards I cover them with ashes. This answers several purposes. The fowls enjoy picking the charcoal from it while it is clean. It helps to remove the next lot of droppings, keeps the boards sweet and clean and helps keep lice away. Be sure there is no fire in the ashes.

Tekonsha, Mich. J. A. BARNUM.

Nothing so sure and certain as
Pratts Hog Cholera Cure.

Made by Pratt Food Co., Phila. Over 30 years old.



Eggs For Hatching

FROM PRIZE WINNING
SINGLE COMB WHITE LEGHORNS

Exhibited at Madison Square Poultry Show, New York City.

AGAIN we were prize winners at the 1905 Poultry show in New York. At the Coliseum, Chicago Poultry Show, we were successful, winning the following prizes: 1st and 5th cock, 1st and 4th chl., 2d and 5th hen. All of our prize winners were from our own stock. We shall have eggs for hatching for sale from these prize winning matings. If you wish to breed prize winning stock, write us at once, and get prices of eggs for hatching from these special pens.

Eggs for hatching from special mated pens of heavy egg producing strain, \$2 per 15, \$5 per 45; \$8 per 100, \$70 per 1000.

CHOICE BREEDING COCKERELS

We have for sale about 200 extra choice breeding cockerels at very reasonable prices. These birds have particularly fine plumage, carriage and head points. Their ancestors for generations have won prizes in all the shows in the United States. On request we will mate up for the purchaser trios or pens, which will produce the very best results. If you need birds for breeding or eggs for hatching, write us at once for description and prices.

WHITE LEGHORN POULTRY YARDS CO., Box 525, Waterville, N. Y.

THEY CAN'T BEAT THE "HAWKEYE"



Write for
FREE
Catalogue

FOR fifteen years manufacturers of incubators have been trying their best to beat the "Hawkeye," but so *broad* and *basic* are the exclusive patents on which its superiority rests, that they haven't yet built an incubator that will *equal*, much less *excel* it, and in our opinion they never can. We have always kept in the lead in the matter of improvements. Our "Hawkeye Special," which we show in the accompanying illustration, has every improvement and every device that adds value to an incubator, and it gives better results than any other make of incubator on the market at any price. Here's our advertising introductory offer—the best proposition on a high grade incubator that any reliable company has ever made. We will ship you on

**WE HAVE A QUICK
DELIVERY PLAN.**

30 DAYS FREE TRIAL The "Hawkeye" Special Incubator

of 100-egg capacity—on the results of the trial we cheerfully rest our case. We do this because we want you to *see* and *know* that the special features we claim for the Hawkeye are genuine points of superiority. Here are some of the *unique* and *valuable* features of the *Hawkeye*—the foster mother of millions of healthy chicks: Simplicity of design—substantial construction, of the very best materials. Finished like a piece of fine furniture. Ventilation system that solves the all-important questions of moisture and evaporation. Hot water pipe 12-oz. cold-rolled copper heating system that maintains an even temperature—no cold corners. Automatic Regulator, of absolute accuracy. The Hawkeye Special Safety Lamp, Heat Deflector, Thermometer, and other devices give the finishing touches of perfection to this splendid incubator.

215 Chicks from 215 Eggs.

Hawkeye Incubator Company.

Gentlemen—I enclose fifty cents, for which send me one incubator thermometer, and if this is not enough I will send the rest as soon as I hear from you. In my last hatch from the 240 egg Hawkeye I took off 215 chicks from 215 eggs. Wasn't that good? Send the thermometer at once and oblige.

Yours respectfully,
MRS. D. C. JOHNSON, Maxwell, Ia. July 1, 1904.

Hawkeye Incubator Company.

Gentlemen—You will probably remember that I purchased a 50-egg incubator of you last April. I find the machine is shelling out the chicks so fast that I must have a brooder, so quote me the best price for a machine to correspond in size. I had three hatches in the incubator, which were as follows: First, 50 eggs, 46 chicks; second, 51 eggs, 47 chicks; third, 50 eggs, 49 chicks. Yours very truly,

ALVA HARDY, Blandinsville, Ill., Oct. 24, 1904.

Are You Open to Conviction? Then let us send you the Hawkeye Special, the pride of our establishment, together with our Complete Hawkeye Instruction Book, telling how to operate the machine and giving invaluable information on how to make money in the poultry business. The Hawkeye Special will please you. A trial hatch will show you it's a profit-maker. Puts money in your pocket every day you keep it busy. Write for 30-day free trial plan—will you?

HAWKEYE INCUBATOR CO., Box 2, NEWTON, IOWA.

A "DANDY" PLANT.

The above illustration is a splendid representation of the new plant of the Dandy Poultry Novelty Co., of Danville, Ill. About four months ago this company was organized by Dr. A. F. Meserve and a number of capitalists of Danville to manufacture on a large scale the incubators, brooders and other poultry appliances which Dr. Meserve has been making on a small scale for several years.

The success of these machines has been so great and they have become so popular among poultry people that this move was made necessary to meet more fully the demand, which the doctor with his limited facilities could not possibly supply. The company writes us that they have a corps of well-trained, skilled workers in every department and that they are able to handle all orders promptly, making everything in their own factory.

The main building is 60x150 feet, with a 40x40 foot boiler room, both of brick. The frame portable house addition is 50x75 feet. Experimental shed is 14x16 feet, with 8-inch packed walls—the entire floor space of the plant being 38,000 square feet. Factory is large, light and commodious and supplied with the latest machinery for the quick handling of all work. Power and electric light is furnished by their own 100 horse-power engine, twin boilers and dynamo. Surrounding the plant are several acres of ground for lumber, sheds, etc. The location of this plant is ideal; about half way up the hill back of the factory are a number of springs of pure water. The larger one of these gives a solid 4-inch stream of water, winter and summer, and has done this as long as the oldest inhabitant can remember. Part of this water is piped throughout the entire factory. Not far from the factory are the soapstone quarries, from which the stone is procured that is used in lining Dandy incubators.

Our readers will do well to read the advertisement of this company in another

part of this paper and write for their new catalogue. In it they give full explanation of a free trial plan and a \$1,000 profit-sharing contest that ought to interest every chicken crank in the land.

BROODER FACTS.

A million incubators are now at work or will soon be, and then there ought to be a million brooders busy housing and bringing on to healthy maturity the hundreds of millions of young chicks. But—

How strange it is that so many people will buy an incubator that costs good money, fill it with eggs that this year at least have been worth good cash and run the incubator at its necessary expense and then stop when the expenditure of a small sum additional would make more profitable all their past investment and labor. This seems a common fault. A man builds a house or barn and neglects to paint it; or he buys an expensive farm tool and lets it lie outdoors. But that is no reason why we should not show to the readers of the AMERICAN POULTRY JOURNAL a better way about raising chicks.

Our advertiser, Channon, Snow & Co., have a special proposition on a brooder that deserves the attention of every reader. You are doubtless familiar with their method for "Building Your Own Incubator." They apply the same plan to brooders. They put up a high grade set of fixtures and furnish plans which any one can follow and build a first-class brooder at about one-half the cost of brooders ordinarily. They claim for their brooder that it is larger than others. Large enough so the chicks have a chance to run and get strong. Large enough so the air is always pure and warm, too, but so evenly warm that chicks do not catch cold or die from exposure to too low temperature.

If you are interested in brooders write for their free poultry book, "How to Make and Save Money with Incubators and Brooders." It may be worth much money

to you. Write today. Address Channon, Snow & Co., Dept. C, Quincy, Ill.

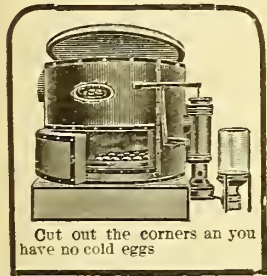
GOOD LOOKS.

Take care of your face. Personal appearance makes a big difference in your chance for success. It is not necessary to be handsome, but nobody likes to look at a face that is irritated and broken out. There would be less face trouble if every shaver would use real shaving soap, made especially for this purpose, instead of laundry or toilet soaps. The J. B. Williams Co., Glastonbury, Conn., make the "only soap fit for the face." In another column they offer to send a free trial sample of Williams' Shaving Soap.

M. E. Rose, of Takoma Park, D. C., a White Wyandotte winner at Hagerstown, Md., where he won first cockerel in 1905 and first and fifth cockerel in 1904, is now a regular advertiser in AMERICAN POULTRY JOURNAL. His first pen will be headed by cock that won first as cockerel at Hagerstown, 1903; second pen by cockerel that won first at Hagerstown, 1904; third pen by cockerel that won fifth at Hagerstown, 1904, by cockerel sired by first pen cock, and fully as good a cockerel as in pen two but not a prize winner, as he was too young to show at Hagerstown. Mr. Rose has been breeding White Wyandottes since 1899.

At the recent Chicago show A. W. Davis, of Big Rock, Ill., showed a line of superb birds in the Golden Wyandotte class. His stock has a rich finish in deep rich golden and jet black and of true Wyandotte shape. For many years Mr. Davis has carried off the creamy prizes, and this year in a class that was probably the strongest line of goldens ever seen in a show room he won first hen, first pullet, first pen, second cock, third pullet, fourth cock, and two of the three silver cups given by the National Golden Wyandotte Club.

At It, In It And Around It 30 Years



Out out the corners as you have no cold eggs

MR. AXFORD in 1875 received HIS FIRST DIPLOMA on the BEST INCUBATOR. You can't afford to spend your money without getting 1905 CATALOGUE from the oldest manufacturer of incubators and brooders. With 30 years constantly improving and simplifying the AXFORD INCUBATORS and BROODERS, we are now able to put before you a machine not only to hatch the largest percentage of chicks, but with our proper APPLICATION of MOISTURE at all times we guarantee to hatch the largest and healthiest birds. Nothing on the market to compare with our BROODERS in caring for chicks. WE GUARANTEE NO CROWDING. Incubators are built in four sizes, 72-150-200-400 egg capacity. With or without nursery. HATCH and RAISE chicks with one machine, one LAMP at one time. The AXFORD can be placed anywhere, in any room, hot, cold or dry and hatch equally as well. SEND FOR 1905 FREE CATALOGUE.

AXFORD INCUBATOR CO., DEPT. 3
CHICAGO, ILL.

New Stock For The New Year

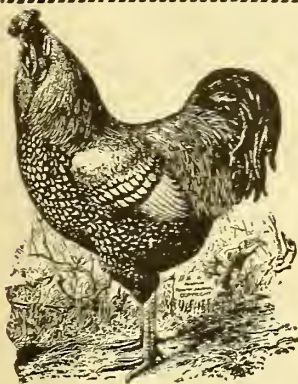
Improve the quality of your stock by adding a pair, a trio, or pen of our high grade

PRIZE WINNING FARM BRED POULTRY

Last Fall at various State and County Fairs we won **1628 Prizes**

The stock we sell you is just as good for breeding purposes as our prize winners. We guarantee the purity of the breeding and general health, vigor and conditions of everything we ship. Special prices if you write and call attention to this adv.

Our New Catalogue is in press and will be ready for mailing in a few days. It is the most practical poultry book on the market. No high sounding titles; just plain "Chicken Sense." Write and send five 2-cent stamps for a copy. It will save you money.



HERE ARE A FEW of the breeds shown and described at the special prices.

Light or Dark **Brahmas**; Partridge, Buff or White **Cochins**; Black **Langshans**; Barred, White, Buff **Ply. Rocks**; Black or Mottled **Javas**; Golden, Silver White or Buff **Wyandottes**; Black, White or R. C. **Black Minorcas**; S. or R. C. W. or Brown **Leghorns**; or Buff **Leghorns**; Buff **Orpingtons**; Blue **Andalusians**; Cornish Indian or B. B. **Red Games**, Pekin **Ducks**; Toulouse or Emhden **Geese**; Mammoth Bronze or White Holland **Turkeys**. See catalogue for complete list.

EGGS

We pay as great care to the selection of eggs for shipping as to the mating, breeding and choosing of stock for filling orders. We guarantee all eggs shipped by us to be pure bred and fresh. We pack with greatest possible care. **No better eggs from anyone at any price.** Write us now for what you want and get our quotations before you buy.

The Remarkable Growth of our business has necessitated largely increasing our farm acreage and removing our business offices to commodious rooms in the Seitz Block, opposite Freeport College of Commerce. These changes give us vastly improved facilities for handling all branches of our business. We get our mail every hour and can be instantly reached by Long Distance Phone or Telegraph. Address all correspondence to Freeport. **We have no branches.**

GREAT CENTRAL POULTRY FARMS, The F. W. NIESMAN CO., Props.

Box 40, FREEPORT, ILLINOIS

CLASSIFIED ADS.

(CONTINUED)

PLYMOUTH ROCKS.

BARRED, BUFF AND WHITE ROCKS—Eggs from prize winners. Catalogue free. Write F. B. Ritchie, Warrensburg, Ill. 3-3

PURE BRADLEY BARRED ROCK cockerels; prices reasonable; eggs in season. \$2 per setting. Chancy Elwood, Dillman, Ind. 3-3

BARRED PLYMOUTH ROCKS—From the blood of the best. Big, healthy, fine looking birds. Eggs, \$1 for 15. D. S. Terrell, Elkton, Md. 3-3

BUFF ROCK EGGS—Nuggets. First pen headed by cockerel son of Benefactor, first Madison Square Garden, New York; \$2 and \$1.50 per 15, \$6 per 100. F. H. Ricketts, Coshocton, Ohio. 3-3

EGGS from exhibition Barred Plymouth Rock stock, \$1.50 and \$2; mating slip free. Albert M. King, Bonaparte, Iowa. 3-3

BARRED PLYMOUTH ROCKS—Exclusively. Farm raised, pure Ringlet strain. Eggs, 15 for \$1.45 for \$2.50. G. A. Barnett, Route 1, Clinton, Ill. 3-3

BARRED ROCKS—"Ringlet strain." Experienced breeder; fine quality. Eggs, 15, \$1 and \$1.50. J. T. Keenan, Shipman, Ill. 3-3

WYANDOTTES.

WHITE AND SILVER WYANDOTTES—(Duston, Orr and Samson-Millsbaugh, no better bred). Eggs, 15 for \$1.50; 45 for \$3.75. Circular. Maple Grove Poultry Farm, Winwood, Pa. 3-1

SILVER PENCILED WYANDOTTES—Pen headed by "Silver King," first Boston. 15 eggs, \$3. G. S. Boller, Little Valley, N. Y. 3-1

WHITE WYANDOTTES—Exclusively. America's best blood, Duston, blue-bred, farm raised, white and vigorous; eggs, \$1.50 per 15; \$5 per 100. Hens and pullets, \$1.50 each. Meadowbrook Farm, Westfield, Ind. 3-3

PARTRIDGE WYANDOTTES—Eggs from select females mated to cockerels from Doolittle, \$2 for 15, N. A. & M. M. Robinson, 1812 Hebron Ave., Zion City, Ill. 3-3

OUR ROYAL STRAIN of Silver Laced Wyandottes was bred and are mated now in single pairs. Every egg guaranteed fertile; \$2 per 15. Ben Eilers & Son, R. R. No. 2, Gordon Ave., Peoria, Ill. 3-3

PARTRIDGE WYANDOTTES—Eggs for sale from three grand pens of prize winning, \$2 per 15. C. P. Richey, Malone, N. Y. 3-3

WHITE WYANDOTTES—Line bred to lay eggs. My famous 213 egg strain is the best money can buy. Eggs reasonable. Address Bonnie View Poultry Farm, Montgomery, N. Y. 3-1

PURE BRED WHITE WYANDOTTES—From the best strains in America. Heavy layers. Large snow white, blocky birds. Eggs, \$1.50 per 15, \$6 per 100. Motto: "Golden Rule." Dr. H. Doster, Poneto, Ind. 3-3

GOLDEN WYANDOTTES—Exclusively. Stock and eggs for sale. Pond Lot Poultry Farm, D. Burr Suell, Cannonsville, N. Y. 3-3

SILVER LACED, Silver Penciled and Columbian Wyandottes—Eggs from best pens, \$2 per 15. Ray D. Brown, Tully, N. Y. 3-3

BRED TO LAY—White Wyandottes. Egg records, 199 to 239. Eggs, \$2 for 15; \$3 for 30; \$5 for 50. Males, \$2.50 to \$5; females, \$2 to \$3. J. R. Lindsay, Charleroi, Pa. 3-3

PARTRIDGE AND WHITE WYANDOTTE eggs, \$1 per setting; leading strains. J. Mill, Coshocton Ave., Mt. Vernon, Ohio. 3-3

WHITE WYANDOTTES—(Fisbel strain.) Eggs from choice matings, \$1.50 per 15, from five grand pens. K. J. Heabler, Attica, Ohio. 3-1

LEGHORNS.

SINGLE COMB WHITE LEGHORNS—Wycokoff & Bauscher strain; eggs, \$1.50 per 15. G. Frey, St. James, L. I., N. Y. 3-3

MORGAN FARM LEGHORNS are real Leghorns. A prominent Illinois doctor wrote us after reading our booklet as follows: "Your little booklet is very artistic and very pretty as well as readable and interesting." Don't you want one? Drop a postal to Henry L. Haff, Route B. 30, Beloit, Wis. 3-3

S. C. WHITE LEGHORN cockerels, bred from our celebrated layers, \$1 each. Van Dusen Bros., Cazenovia, N. Y. 3-2

ALFRED J. ANDERSON, breeder of S. C. B. Leghorns. Eggs for sale in season, 50c per 13; \$3 per 100. R. C. White Leghorns, \$1 per 13; \$5 per 100. Rockford, Ill., R. F. D. 5. 3-3

LITTLE CHICKS—Just hatched from fine S. C. Brown and White Leghorns, etc. Price, \$8 per 100 chicks. M. Uhl & Co., Box B, New Washington, Ohio. 3-4

ROSE COMB BROWN LEGHORNS exclusively (Kulps), great layers. Eggs, \$1 for 15; \$4 per 100. Sand Hill Poultry Farm, Mrs. Thos. Cole, Pierceton, Ind. (Kosciusko Co.) 3-3

ROSE COMB BROWN LEGHORNS a specialty for 12 years. Cockerels won 1, 2, 3, pullets 1, 2, at big Ann Arbor show, Tucker, judge; prices right. Harkins & Son, Ann Arbor, Mich. 3-3

SINGLE COMB BROWN LEGHORNS exclusively. Stock from McClave and other prize-winning strains; 15 eggs, \$1; 40, \$2; 100, \$5. Circular free. Simeon Tobias, Crothersville, Ind. 3-3

LANGSHANS.

BLACK AND WHITE LANGSHANS—Buff and White Orpingtons; beauties. Stock and eggs reasonable. Write me. U. Blickensderfer, Ainsworth, Lake Co., Ind. 3-1

BLACK LANGSHAN EGGS—Pen headed by first cockerel Illinois State Show, 95%; 15, \$3; 30, \$5. Wm. R. Turnbull, Waverly, Ill. 3-3

WHITE LANGSHANS that are white. Eggs from same pen that I breed my winners from. \$1.50 per 15. Jet Morgan, Prairie Depot, Ohio. 3-3

RYAN'S BLACK LANGSHAN—Exclusively farm range eggs for sale, \$2 for 15, from first mating; pen scoring 93 under Judge Lane; others, \$1 for 15. P. F. Ryan, Hammond, Ill. 3-3

HILLS' BLACK LANGSHANS—Remember my birds comprise Chicago first prize cockerel and fourth pullet of 1904. Cockerels, \$2 to \$5. Eggs from best matings, \$2 to \$3 per 15. Mrs. J. L. Hills, Box 1086, Franklin, Ill. 3-3

ORPINGTONS.

S. C. BUFF ORPINGTONS—3 pens; Buff Wyandottes, 2 pens, 15 eggs, \$2. S. C. R. I. Reds, 3 pens, 15 eggs, \$1.50. Three best flocks owned by any one man in state. "Phillips" Sunny Side Hill Poultry Yards, Amsterdam, N. Y. 3-05-1yr

WHITE ORPINGTONS—On 12 entries at Lockport, Rochester and Auburn I won 6 firsts and 6 seconds; can sell you a fine trio for \$10; you can raise 50 to 80 chicks; it is cheaper than buying eggs. Eggs from my best pens, \$2. M. Godding, Brockport, N. Y. 3-1

WHITE ORPINGTONS—Single Comb, winners of all firsts at Ohio State Poultry Association and Dayton Fanciers' Show, defeating the Cincinnati winners; eggs, \$5 setting. I. T. Bryant, Oxford, Ohio. 3-3

SINGLE COMB BUFF ORPINGTONS—The famous Whittker strain; eggs from this pen a matter of correspondence. C. P. Wilson, Waverly, Ill. 3-3

SEVERAL BREEDS.

CLARK FARM, Concord, Mass.—High scoring, utility bred stock at low prices; also eggs for hatching and young chickens. Write for circular. 3-3

GOLDEN BUFF LEGHORN—Eggs, \$1 per 15; no better stock in America; Arnolds and Barnes strains improved. Homer pigeons, \$1 pair. Jersey cattle, Santlambert, the best, \$25. Catalogue for stamp. Good batch guaranteed. Geo. H. Wolf, Westminster, Md. (Rhode Island Reds). 3-1

R. JOHNSON, Ranskill Bawtry, Yorkshire, England, winner of seven medals with these varieties of Bantams; has winners for sale; Barred Rock Bantams, Black Orpingtons and Black O. E. G. 3-1

TWO SETTINGS, \$1.50, from Buff, Barred or White (Fisbel) Rocks; Buff, Silver Laced or White (Duston) Wyandottes; Brown Leghorns, Black Minorcas, Light Brahmas, Black Langshans, R. I. Reds. United Poultry Specialties, Tamaroa, Ill. 3-3

EGGS, \$1 PER SETTING—From the best strains in America; guaranteed pure; Wyandottes, Rocks, Minorcas, Leghorns, Hamburgs, Cochins and Brahma Bantams; Pekin Indian Runner; Rouen and Muscovy ducks. Order direct. Stamp for inquiry. Union Poultry Farms, Union City, Mich., Box 8. 3-3

\$2 FOR 15 EGGS from prize Single Comb Rhode Island Reds, Cornish Indian Games and Silver Laced Wyandottes; Homer pigeons. Jay B. Miller, Chambersburg, Pa. 3-1

EGGS FOR SALE—Mammoth Bronze turkeys, the very best strain, \$2.50 for 10. White Plymouth Rock, Fisbel and Hawkins strain, \$1.50 for 15. Pure Bred Boone County White Seed Corn, \$1.25 per bu. J. W. Rader, Greenview, Ill. 3-3

MAPLE VILLA POULTRY YARDS—Buff, White and Barred Plymouth Rocks; Rose and Single Comb Brown and White Leghorns; Golden and Silver Hamburgs; Rose Blue Andalusians and Black Minorcas. Eggs, \$1.50 per 15; \$2.50 per 30; \$4 per 50; \$6 per 100. W. G. Mosher, Sylvania, Pa. 3-3

FOR YOUR WINNERS and breeders go to Willow Brook Farm, who have always beaten the breeders calling themselves the originators. Over sixty (60) prizes and sixteen (16) specials at Madison Square Garden, New York, in the past three years. The largest and best stock in this country to select from. Send two cent stamp for 40 page illustrated catalogue, testimonial book and mating list describing thirty-two breeding yards and prices of eggs. Willow Brook Farm, Box 56, Berlin, Conn. 3-3

DUCKS.

MAMMOTH PEKIN, Indian Runner, Noiseless, Muscovy and Rouen ducks; none better in America. Eggs, \$1 per setting. The Union Poultry Farms, Union City, Mich. 3-3

MAMMOTH PEKIN DUCKS—Won at Delavan, Wis., Jan. 29-28, '05, W. S. Russell, judge, 1st, 2d and 3d duck, 2d and 4th drake; also 3 specials on 6 entries, scoring to 97. Eggs, \$1.50 per 15, \$4 per 50, \$7 per 100. Chas. W. Beardsley, Box A, Darien, Wis. 3-3

ANCONAS.

ANCONAS—Excellent layers, winners at World's Fair, New York and Chicago. Circular. Henry Scheyer, Lake View, N. Y. 3-3

BRAHMAS.

LIGHT BRAHMAS—Grand cockerels, winners wherever exhibited. Eggs, 15, \$2. East View Poultry Yards, Ballston Spa, N. Y. 3-3

LIGHT BRAHMA cockerels, scored and unscored. Stock for sale. Eggs, \$2 per 13. M. O'Loughlin, R. 1, Milmine, Ill. 3-3

SPANISH.

WHITE FACE BLACK SPANISH—Best layers on earth; young stock for sale; eggs, \$1.50 per 15. J. T. Adams, Richmond, Mich. 3-3

RHODE ISLAND REDS.

EGGS from four standard bred Rose Comb Rhode Island Reds, Buff Plymouth Rocks, Golden and White Wyandottes. Eggs in season, \$1.25 for 13, \$2.00, 26. Aug. Klammer, Chaska, Minn. 3-3

19 FIRST PRIZES at Chicago and Detroit proves our Rose Comb Reds unsurpassed. Eggs, \$2 per 15. Taylor & Woodruff, 2333 Stone St., Port Huron, Mich. 3-3

15 EGGS \$2—From Reds winning at Detroit, Toledo, Ft. Wayne. Free circular. Dr. Geo. Benton, Camhria, Mich. 3-3

MISCELLANEOUS.

POULTRY SUPPLIES—Steam cooked rolled oats, \$1.80 per sack 90 lbs. Alfalfa meal, F. L. Thornton, 469 Washington St., Providence, R. I. 3-1

RADDIN'S SINGLE COMB RHODE ISLAND REDS win and give satisfaction from Maine to California. Catalogue with half-tones from life free. Eggs, 15, \$1; exhibition matings, 15, \$2; 45, \$5. J. Arthur Raddin, Cliftondale, Mass. 3-3

RHODE ISLAND REDS—Eggs, per setting, \$2. Address Alfred Lord, 52 Greenwald St., Blue Island, Ill. 3-3

PIGEONS.

MONEY IN HOMER SQUABS—Large and healthy, \$1.50 per pair. D. K. Beals, Toledo, Ill. 3-3

INDIAN GAMES.

CORNISH INDIAN GAMES—Best strain; 15 eggs, \$1.50. Write for prices on stock. Ralph Yackel, Junius, N. Y. 3-3

COCHINS.

PARTRIDGE COCHIN A SPECIALTY—Stock and eggs produced from my pens are winning silver cups and prizes in lots of states. Some fine birds for sale. Satisfaction guaranteed. Corlies, Butterfield and Stellwagon strain. I. A. Lydick, proprietor, South Bend, Ind., R. R. No. 3. 3-3

WHITE COCHINS exclusively for nine years. First-class stock. Eggs for hatching a specialty. Will J. Gray, 902 Crapo St., Flint, Mich. 3-3

WHITE COCHINS—Eggs for sale from state prize winners, \$2.50 per 13; quality unexcelled. C. J. Jackson, Inwood, Iowa. 3-3

Pratts Food for all live stock
Over 30 years old.

TWO HUNDRED AND TEN EGG STRAIN



WHITE WYANDOTTES Exclusively score 92 to 96. Ten pens properly mated fine specimens, 15 eggs \$1.00. Best pen average score 94.15 eggs \$2.00. In hatch eggs, \$4.00 and \$5.00 per 100, F. A. Galloway, Burr Oak, Mich.

EGGS FOR HATCHING FROM PRIZE winning strains. B. Rocks pen No. 1 headed by "Royal Blue" score 91, \$2.00 per 15. Straigt Pen, No. 2, headed by cockerels from Davis, Mass., \$1.50 per 15, \$2.50 per 30. Buff and W. Rocks, \$1.50 per 15, \$2.50 per 30. S. L. and White Wyandottes \$1.50 per 15, \$2.50 for 30. If you don't get a fair hatch will duplicate order for half price. Address

MANITO POULTRY YARDS,
Box 53 Manito, Ill. 3-1



LIGHT BRAHMAS EXCLUSIVELY, 75 cockerels with score cards by Heimlich \$2.00 to \$5.00 each according to score. Write your wants or send order from this "ad." I can please you.

L. O. BERRYMAN
Franklin, Ill.



EXPRESS PREPAID ON BLUE BARRED Rocks Eggs Bradley and Thompson strain direct. Your choice of either strain, cockerel or pullet, matings, \$2.50 per sitting. Exhibition birds a specialty. Please write us.

MAGEE & GOWMAN,
Two Rivers, Wis.



SEVEN RECEIPTS, VERMIN EXTERMINATOR, Poultry food, Egg preserving, Sugar curing meat, Hair restorer, Ringworm cure. Pear blight preventive, Cholera cure One sitting of highly bred Barred Plymouth Rock Eggs 15 for \$1.00, and the above seven receipts free. If receipts alone are not worth the price money refunded, 3-3

W. R. CRAWFORD, McKenzie, Tenn.



SINGLE COMB WHITE LEGHorns exclusively, free range, Wyck-off strain, headed by prize-winning cockerels. Fertile eggs. My best mating eggs, \$1.25 per 15; \$3 per 50; \$5 per 100; \$20 per 500. Satisfaction guaranteed. E. E. WISE,
2-3 Route 1, New Brighton, Pa.



ROSE COMB AND SINGLE COMB Minorcas. They are winners. At Michigan State Show, on six entries, we won five prizes; Ann Arbor, 16 out of 24. Eggs \$2 per sitting. Stock for sale. WAGNER BROS.
2-3 Ann Arbor, Mich



EXHIBITION

BLACK BREASTED RED GAMES

64 entries, 57 prizes at the big Chicago Show and elsewhere. Also Barred P. Rocks and exhibition B. B. R. Game Bantams. Stock and eggs for sale. Circular free.

H. D. SCHREITER, Burlington, Wis.

BUFF COCHIN BANTAMS

Write for prices

DEHN & KUBICEK

7344 CHAMPLAIN AVE.,
CHICAGO, ILL.

White Orpingtons, Buff Orpingtons, Ermine Faverolles, Salmon Faverolles

Send for list of their winnings, also for "What is a Faverolles?" They are free.

J. H. SYMONDS, Importer and Breeder
METUCHEN, N. J.

Buff Orpingtons

Single Comb, Cook's Strain,

WYANDOTTES

From Royal Strain.

INDIA RUNNER DUCKS

Guarantee eggs; safe delivery; excellent stock; unusually low prices. Circular tells you all. send for it. Free. A. EDWARD GREEN CO.,
Box A, Morgan Park, Ill.

...Do You Want Eggs From...

White Wyandottes

that will win for you? At last Dayton and Ohio State show we won nine out of eighteen regular money prizes, and special for eight best birds in American class. Eggs \$2.00 for 15, or \$3.00 for 30.

The K-G. POULTRY YARDS

Circleville, Ohio

SUCCESSFUL FARMERS AND GARDENERS.

The successful gardener is successful because he cultivates his brain while cultivating his garden. He must not only know soil conditions, the time to plant, be able to judge the best seed, and know when to cultivate, but he must be a judge of the tools he will use, and be able to select those which will give the greatest amount of service with least labor.

The Bateman Manufacturing Company, of Grenloch, N. J., have for nearly seventy years made a special study of the manufacture of labor-saving, money-making tools. There is no point of excellence that their famous Iron Age farm and garden implements do not cover. The No. 6 Combined Double and Single Wheel Hoe, Hill and Drill Seeder, shown in the illustration, INSERT CUT.

is a good example of the utility and completeness of the modern implement for gardeners who cultivate for profit. This tool is equipped in a most satisfactory manner for all work on market garden or farm, where hand work is to be employed in seeding and cultivating, or where horse cultivation is to be employed after the plants arrive.

The seed-sowing device is very simple, and the change from sowing in continuous rows to that of dropping in hills can be instantly made. The hopper holds two quarts and will distribute uniformly whether full of seed or when only a small packet is to be sown.

It can be changed into a complete double or single wheel hoe by the most inexperienced in less than five minutes. The high wheels of this implement also make it easy to operate, yet do not give to inequalities of soil as a low wheel.

The manufacturers issue a free book, "Iron Age," describing in detail this valuable combined outfit, as also a large line of garden tools, horse hoes, cultivators, potato planters, sprayers, etc. The book also gives considerable information of interest to every farmer and gardener. A postal card directed to the Bateman Manufacturing Company, Box 119, Grenloch, N. J., will secure it.

THE RACING INCUBATOR.

We are reproducing here a cut of the Racine Incubator, manufactured by the Racine Hatcher Company, Racine, Wis. This is the incubator that has resulted from the continuous work on incubators of a man who has given twenty-three years over entirely to this single occupation. Our readers have doubtless been struck with the distinctiveness—we might say peculiarity—of the Racine Hatcher advertising. It is devoted almost exclusively to their incubator book rather than to the machine itself. We give the illustration, but most follow the same plan in this notice. The points made, the theories demonstrated and put into practice, the workings and the why of it all, that comprehend twenty-three years' work of an incubator specialist are not to be covered, or even hinted at, in a notice like this. The book itself must be read. The book is not sold. A postal will bring it, and, aside from showing wherein the Racine differs from most incubators, it contains a fund of sound sense, which every poultry raiser must appreciate. The vital feature in the Racine, as in all incubators, is heat supply, regulation and ventilation. Of this problem the Racine Incubator presents what seems to be a well high perfect solution. The uniform good results produced by many thousand users, in all parts of the country, attest this fact. There is no question about the Racine being in the first rank of incubators. We advise sending for the book and learning the theories of incubation which it has reduced to practice. Consult the advertisement elsewhere and direct accordingly.

Brent & Eddy, of Oconomowoc, Wis., won on Cornish Indian Games at Chicago, Jan. 23 to 28th. '05, as follows in a class of 25 entries: 2nd pullet; 3rd. 5th cockerel, three entries. The Indian Game at Chicago were nearly all young stock and a fine class of birds.

E. B. McGaw, Ypsilanti, Mich., breeder of Single Comb Rhode Island Reds, won as follows at Ann Arbor, Mich.: 1st cock; 3rd cockerel; 1st. 2nd hen; 1st pullet, and 1st pen, in a very strong class.

Prevents and cures scours
Pratts Calf Tonic.

Made by Pratt Food Co., Phila. Over 30 years old.

Silver Wyandottes

That have produced the winners at the World's Fair, New York, Chicago and Boston shows. They have the clear black and white lacing and correct wing bars. They are the kind that win. CHOICE BREEDING BIRDS AND EGGS that will produce winners.

A. C. HAWKINS

Ad on back cover. Lancaster, Mass.

MORE EGGS—Less Feed

Humphrey Bone Cutter, Humphrey Clover Cutter, will double egg yield. Poultry Book sent free. HUMPHREY, White Street Factory, JOLIET, ILL.

GREIDER'S FINE CATALOGUE

of Standard bred poultry for 1905, printed in colors, fine chromo, suitable for framing, illustrates and describes 60 varieties. Gives reasonable prices for stock and eggs, tells all about poultry, their diseases, lice, etc. This book only 10 cents. B. H. GREIDER, RHEIMS, PA.

WHITE WYANDOTTES

Young and old stock for sale with score card. Good Trios \$5.00. Eggs \$3.00 per 15, \$5.00 per 30. Incubator eggs \$4.00 per 100.

M. L. O'NEIL

405 W. Charles St. OELWEIN, IA,

Glen Lee Poultry Farm, Winchester, Va.

G. H. Kinzel, Owner and Proprietor.

White Wyandottes

Duston Strain.

WHITE LEGHORNS

S. C., Wyckoff and Blanchard Strains

My breeders are the best that money could buy. Forty acres of fruit and chickens—these two varieties. Personal attention given to all stock and eggs. A few sittings will be sold this season at \$2 per 15 and eggs shipped in Eyrie cases. I have the layers and egg makers. Show qualities have not been neglected. Your money refunded if not satisfied. Reference, any bank in this city.

SATISFACTION

Isn't this enough for any
man to expect?

Mathews, Ind., Dec. 11, 1904.

Dinsmore & Co.

Dear Sirs:—The one hundred White Wyandotte eggs I bought of you proved the best investment I ever made. I hatched fifty-three nice chicks. I have just returned from Marion poultry show, where I won 1st, 2d, 3d cockerels, 3d pullet, 1st and 2d pens, seventeen specials and \$10 silver cup for best display of any one variety. If you will sell me eggs the same price I will take 500 or 1000 next spring. Wishing you success I am,

Yours truly, R. B. LITTLE.

We have ten grand pens mated for best results, and we guarantee our eggs to be 75 per cent fertile. \$2 per 15, \$10 per 100.

Hillcrest Poultry Yards

Dinsmore & Co., Props. Kramer, Ind.

OUR NEW BOOK

ON POULTRY for 1905 is the most practical book ever published on the care of poultry in health or disease. Gives best plans for houses, how to feed for more eggs and how to MAKE BIG MONEY. Send 15c for mailing. Fowls and eggs for sale cheap.

JOHN BAUSCHER, Jr., Box 130 Freeport, Ill.

SEASONABLE ADVICE.

Now is the season of the year when poultrymen begin to clean up and put in better condition the yards and quarters for their fowls. The houses particularly should be given attention and many poultry keepers who are dissatisfied with the old and inconvenient method of keeping the quarters clean and in sanitary condition are looking around for something practical and inexpensive in the line of roosting and nesting fixtures. We do not know of any line of goods which fills so perfectly the needs of progressive and up-to-date poultrymen as do the portable henry outfits manufactured by T. F. Potter & Co., Downers Grove, Ill. They make their fixtures in three different styles and forty different sizes, so that no matter how a house may be arranged it is an easy matter of equipping it and they are so reasonable in price that no poultry raiser can well afford to be without such convenient and time and labor saving appliances. They have equipped hundreds of houses with their portable outfits and they seem in every instance to give perfect satisfaction and provide a truly model and up-to-date henry equipment. If you are interested in the best and most approved apparatus in this line it would be to your interest and profit to send for their large thirty-page catalogue on poultry house fixtures. This book will prove both interesting and instructive to the wide-awake progressive poultry keeper.

BOSTON WINNINGS, 1905.

Closing up a most successful season, the Elm Poultry Yards, of Hartford, Conn., carried off honors at Boston Exhibit in strongest competition, sufficient to demonstrate to the buying public that they breed exhibition stock in quantities, winning twenty-four regular and nine special prizes in the hottest of competition, besides winning the \$100 championship cup for best White Wyandotte female, any age, on their first prize pullet, so nearly perfect that many scored her to 98 and were hardly justified in making any cuts at all. She also won Ivory Soap special for whitest bird in the entire exhibit, any age or variety. Also Spratt's gold special for best Wyandotte, any variety, as well as their

winning display specials, etc., etc. All this after furnishing winners for nearly every large exhibit of the country.

The demand for exhibition birds of quality and the fact that a satisfied customer is the best kind of advertising has done a great deal in the past ten years to stamp quality on the breedings of the Elm Poultry Yards. Hundreds of unsolicited testimonials have been received from parties winning on stock raised from settings direct from their yards. Their winnings at St. Louis World's Fair were simply in keeping with their stock. Their first pullet White Wyandotte sold for \$125, with their second winner at \$75; their first prize White Leghorn hen for \$300; their first prize White Leghorn pullet for \$100, and, what is more, birds of their breeding won in the exhibit also, proving they have quality stock for their own wants and to spare. Their advertisement may be found on another page of this issue and in our columns every issue, they believing a good thing must be made known to the buying public.

With the recurrence of each spring there comes to every poultryman the trying question, "How shall I raise the chicks I hatch?" The brooding problem is undoubtedly the most serious of all the troubles that afflict poultry raisers. A mistake in hatching costs the greater part of the year's profits. It's a mighty poor plan to be careless in this respect.

During the past few years an increasing number of our readers have been using the Humphrey Pure Air Brooder, which we believe fully meets every requirement of the most discriminating and discerning poultryman. In the first place the Humphrey Brooder is large enough to give ample room for the chicks. Its system of ventilation is unexcelled by any other brooder. The radiation and circulation of heat is perfect, allowing for the admission of more fresh air than can be admitted into other brooders, and, at the same time, consuming less oil. Its provisions for cleanliness are unique and unexampled. It is the most convenient brooder on the market. We urge our readers to investigate this brooder. Send to Humphrey White Street Factory, Joliet, Ill., for their free book, "Poultry Hints," which fully describes and explains their brooder, along with

many other important points of poultry raising.

Humphrey guarantees that the Humphrey Brooder will raise a larger percentage of chicks put into it than any other brooder made, and at the same time will be more convenient to operate and will cost less for fuel. It's a strong statement, but, coming from such a reliable firm, it means exactly what it says. You ought to investigate it.

We are in receipt of a copy of the new catalogue issued by E. G. Wyckoff, of Ithaca, N. Y. This is a complete catalogue of his White, Buff, Black, Pyle and Silver Duckwing Leghorns, Silver Penciled and Partridge Wyandottes and Pekin Ducks. This is entirely illustrated by Burgess, Schilling and Graham, and contains illustrations of recent importation of three of the Leghorn varieties. Readers will notice that the illustrations are nearly all of first prize winners at some leading show, and Mr. Wyckoff's customers are given an opportunity to purchase eggs for hatchings from his first prize matings, an opportunity they do not get from most breeders.

Every reader of AMERICAN POULTRY JOURNAL should have a copy of this catalogue, which can be furnished by writing Mr. Wyckoff and mentioning this paper.

Poultry raisers will be interested in reading the advertisement of the Burr Incubator, which appears in this issue. Mr. Burr, from whom it takes its name, is the inventor and superintends the making up of each machine. The first object of Mr. Burr is to produce a durable, simple-acting and absolutely successful incubator. The Burr Incubator is made on honor and sold on a contract which permits the purchaser a practical test of its merits. The Burr catalogue containing complete descriptive matter and valuable information for poultry raisers is free. Address Burr Incubator Company, Omaha, Neb.

Mrs. J. H. Orebaugh, of Batavia, Ohio, won at Cincinnati at the late show on her White Plymouth Rocks: First, second, third and fourth cockerel, first cock, first and second pullet, first hen, and tie for second cock; special ribbon for first cock A. W. P. Rock Club. First pullet won \$25 silver cup offered by the Ivory Soap Company for the best white fowl, any age, sex or variety.

HALLOCK'S WHITE WYANDOTTES



My First Prize Pullet, at the Madison Square Show, also winner of the \$25.00 silver cup for best pullet and full sister to the pullet which I sold out of my first prize pen for \$100.00, to my knowledge the highest price ever paid for a White Wyandotte female

Were the sensation of the Madison Square Garden Show, New York, January, 1905. In the hottest class of White Wyandottes ever gotten together (483) they made the following unparalleled record on seven entries

1st COCKEREL
1st HEN
1st PULLET
1st PEN
1st COLLECTION

Never before was such a record made on any variety in such a hot class. I won \$125.00 in cash prizes, besides making two record breaking sales, selling the cockerel heading my first prize pen for \$200.00, and one of the pullets for \$100.00. I could afford to sell this cockerel as I have seven of his full brothers just as good to breed from.

The **HALLOCK** strain has been winning at the large western shows for years. If you are about to start with the White Wyandottes, or wish to improve your flock, you will make no mistake in placing an order with me. All of my young stock is farm raised and vigorous. The White Wyandottes are the most popular variety in America, and mine is a good laying strain.

I tell you exactly what prizes I won and where I won them. I do business on the square, and guarantee a 50 per cent hatch from all eggs purchased from me. All stock sent out on approval and I pay all express charges if not satisfactory.

Can mate up a fine breeding trio for \$30.00, or a pen of five birds, properly mated to produce the best results for \$50.00. This is a chance to get some of the CREAM of White Wyandottes. Have cheaper birds if you wish them.

HOW I WILL MATE MY PENS

I have mated up seven choice selected breeding pens from which I will sell eggs for hatching at \$3.00 per 13; \$5.00 per 26; \$8.00 per 50 and \$15.00 per 100. Every one of these pens is headed by a first-class white blocky male bird, closely related to my New York winners, and I am looking for good results from all of these pens. Every one of the females is chalk white, good shape, good leg color, bay eyes, good combs, short broad backs, short well spread tails and extra fine in every section. I do not think there is a breeder in the country who has whiter birds than mine. Have been breeding the same strain for years. Orders for eggs should be made direct from this advertisement. Please do not ask me to send you eggs from my first New York cockerel as I am using him in a special mating from which I do not sell eggs at any price. I do the honest thing and tell you this. In order to supply the demand for eggs a little better in quality than my average pens, I have selected three of the best from which I will sell eggs during March and April at \$5.00 per 13; \$8.00 per 26; \$11.00 per 50 and \$20.00 per 100. My strain is noted for its shape and color. If you want eggs from this kind of stock, "YOU HAD BETTER HURRY;"

ROSS C. H. HALLOCK, 6314 Clifton Avenue, St. Louis, Mo.



MODEL INCUBATORS.

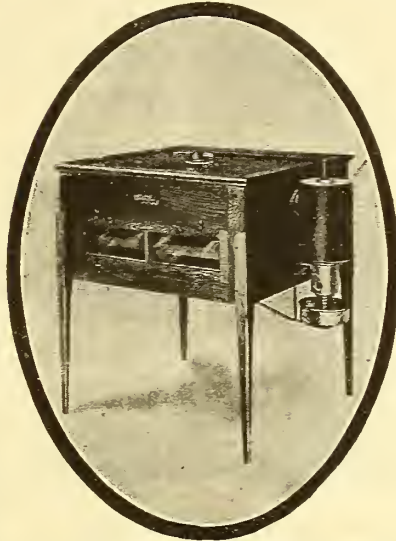
How They Are Looked Upon by Practical Market Poultry Men.

The question, "Which is the most practical hatcher?" must be of interest to every user of an incubator. To a man who is running two or more hatches each spring the addition of a small percentage in the results secured—five or ten chicks or ducklings more for each hundred eggs set—adds dollars to the profit side of the investment. A machine that is economical with oil and requires little of the attendant's time to operate is, in addition, a money saver. Both these claims are made by the manufacturer for the Model Incubator.

To make a claim and to prove it to the discriminating poultry man is quite a different matter. Mr. Cyphers seems to be proving his claim very effectively by the verdict given by the large market poultry breeders who have tried the Model and passed on its merits. When these men discard other makes for the Model it seems to be proof positive that it is the best hatcher, the greatest labor saver. That

the large breeders are discarding other makes for the Model must become evident to any one who is following Mr. Cyphers' advertising this season.

Last season when Mr. Cyphers put his new machine, the Model, on the market, with the new system of air circulation, giving more perfect ventilation than in his older designs, the public were at once interested, and since that time poultrymen the country over have been watching the progress made with it. Early the past fall a new patented thermostat was added



to the Model equipment, which gives a much larger movement, and in consequence a much more equable temperature with less care than any other regulator in existence. After this thermostat appeared other manufacturers began to make loud claims of improvements to deceive the public, but months have gone by and their claims have not been made good. There is no regulator on the market today other than the Model that will hold the temperature in the incubator within two degrees without some adjustment of the lamp flame. The greatest variation in the Model, between the highest flame the lamp will

carry and the lowest one that will hold the temperature, is less than one-half of one degree. This insures great accuracy of regulation with the least attention, and every poultryman knows that the more even the heat the better the hatch and the stronger are the chicks or ducklings which come out.

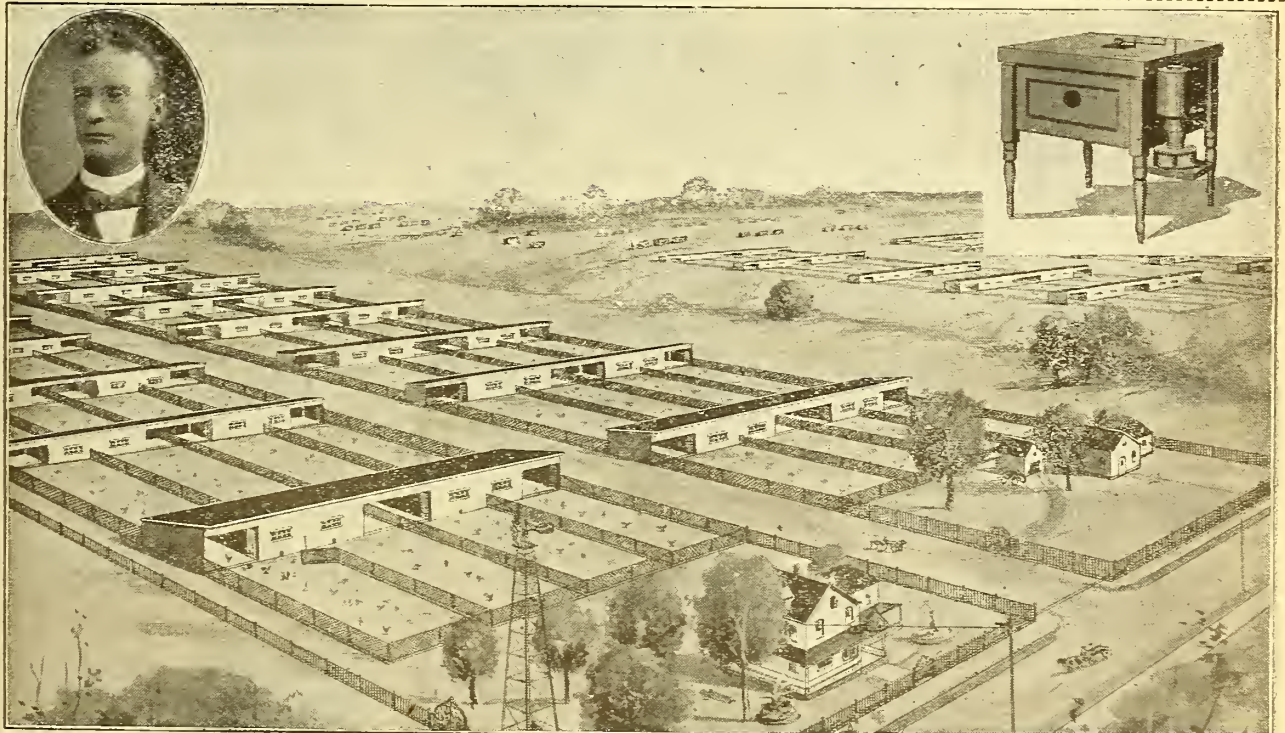
Every chick or duckling added to the hatch means 30 to 50 cents profit; every half hour saved each day in the care of the incubators means that the year has been lengthened half a month, which can be devoted to increasing the output. Briefly, the market poultryman must have the best to secure the full measure of profit on his labor and investment. Those of our readers who have not secured one of this season's catalogues of the Model Incubators will do well to address Mr. Charles A. Cyphers 301, Henry street, Buffalo, N. Y., who will be glad to furnish it free of any charge. It tells something of the profit side of the different branches of the poultry business, and Mr. Cyphers is preparing a comprehensive lesson on each branch for the benefit of his customers. This will undoubtedly prove of great value to those who secure it, coming as it does from one of our greatest authorities on artificial poultry raising.

The Fruit Grower, of St. Joseph, Mo., is making wonderful strides, and the publishers are to be congratulated upon getting out a magnificent paper. This is an illustrated monthly magazine for the progressive American farmer, dealing principally with the fruit question. It is beautifully printed and illustrated, and contains a great deal of interesting reading matter for the instruction and benefit of all matters pertaining to fruit raising. The price of this is 50 cents a year, or three years for \$1, and subscriptions should be sent to the Fruit Grower Company, Box 7, St. Joseph, Mo. The March number will be the gardening number, and will comprise about sixty-four pages and cover.

C. A. Dutton is now permanently at Exmoor Farms, of which E. A. Weimer is proprietor, Lebanon, Pa., as Brown Leghorn man and farm superintendent, and to look after the interests of Exmoor Farm's many patrons.

Strongest and most effective
Pratts Liquid Lice Killer.

Made by Pratt Food Co., Phila. Over 30 years old.



Crescent Poultry Farm, Des Moines, Iowa. The Largest and Most Complete Poultry Farm in the Country

Our New Book, "MONEY IN POULTRY," Just Out.

FRANK FOY proprietor of the CRESCENT POULTRY FARM, has just issued a new and valuable book called "Money in Poultry." This book contains 84 pages and probably gives more reliable information about the business based on actual experience on the farm than any other book of the kind published. It tells everything about the poultry business from start to finish: describes our 25 leading varieties of pure bred fowls, and the Frank Foy Incubators and Brooders. Quotes extremely low prices on fowls, eggs, incubators and brooders. Mailed for 4 cents in stamps. Address

FRANK FOY, Box B, Des Moines, Iowa

219 Egg Strain Barred Plymouth Rocks 219

Large and prolific laying strain. 250 of my B. P. Rocks averaged 219 eggs each in one year. Have been bred for size and eggs for 14 years. If you wish a fine breeding cockerel or eggs, at half price, from these wonderful layers. Write
WM. J. DAVIS, R. R. 1, Eaton, Indiana

600 "RINGLET" B. P. ROCKS**BEST IN THE WORLD**

100 show birds fit to win in hottest company; and you talk about breeders—we have 500 that we can truthfully say that they positively have the color, shape, size, legs and combs. Our prices are right, and to prove it we ship on approval. Please write your wants plainly. Eggs after March 1st. Eggs from finest exhibition matings, either pullet or cockerel. Yard No. 1, headed by a \$50 Ringlet cock bird, weight 12 pounds, \$4 per sitting; yards 2, 3, 4, 5 and 6, \$2.50 per sitting. Only four hours' ride from Chicago.

KING BROS.,

Lock Box 174, Oshkosh, Wis

EGGS FOR HATCHING

From pens headed by Hagerstown and other first prize winners in Buff Rocks and White Wyandottes at \$3.00 per setting. Incubator eggs \$8.00 per 100. Pekin duck eggs \$2 per 13.

H. BECK, Ravenna, Ohio**Smith's S. C. White Leghorns**

Have no superiors and few equals. They are the bred-to-lay-and-win kind. Winners at World's Fair, St. Louis; Madison Square Garden, N. Y.; Rochester, Elmira, Syracuse and Auburn. In fact everywhere exhibited they carry off the cream of the prizes. Winners at New York 1903, 1904 and 1905. At the recent New York Show I entered but five birds winning first pullet in the strongest kind of competition. Eggs from prize matings \$3 per 15, \$5 per 30. Eggs from utility stock (trap nests used); none better for heavy egg production, \$1.50 per 15, \$2.50 per 30, \$4.50 per 60, \$6 per 100. A few good breeding cockerels at \$2, \$3 and \$5.

S. E. SMITH**Box 125, Norwich, N. Y.****SWETT'S BUFF PLYMOUTH ROCKS**

PRIZE WINNERS WHEREVER SHOWN. Cock at head of pen No. 1 scored 92 by McClave. Pullets score from 93½ to 94. Eggs \$2.50 and \$3 per setting of 15.

A. R. SWETT,**ALMORA, KANE CO., ILL.**

The Star Poultry Farm
S. C. W. LEGHORNS

The World's Most Profitable Strain

After eighteen years of careful breeding I have produced one of the best strains of layers in this country
EGGS \$2 per 15, \$7 per 100. Satisfaction guaranteed

H. C. HAUSER 633 W. 62d St., Chicago, Ill.**DON'T RUN THE RISK***of not getting plenty of fertile eggs***Feed Triumph Foods, The Easy Fed Feeds.**

Absolutely the correct ratio and containing everything necessary for the best possible results.

Write today for circular containing detailed description of our foods.

Triumph Green Mash, \$2.00 per 100 pounds.
Triumph Grain Ration, \$2.00 per 100 pounds.
Triumph Chick Feed, \$2.25 per 100 pounds.

ELMDALE FARM C. L. DUFFIELD, Prop.
Room 11, Commercial Bldg., Marshalltown, Ia.

Near Shenandoah, in the famous Iowa corn belt, lies Sleepy Hollow Farm. Here some eleven years ago a young market gardener concluded that instead of confining his efforts to gardening for the consumer he might as well be raising seed for the producer.

Having been raised a gardener, his early experience and training rendered him peculiarly adapted to the business of a seedsman; to anticipate the needs and avoid causing the trouble and annoyance which so often vex the patience of the truck farmer.

At the start he determined that only reliable seeds should be sold under his name and only those he could guarantee; that full measure, just weight and true description should be the rule. He began by making his neighbors his first customers, and they soon discovered that in him they had a man who could always be depended upon to furnish nothing but honest goods. They spread the news to others and the ever widening circle of pleased patrons necessitated the steady increase of his facilities, until now the name of Henry Field, Seedsman, or as he is often called, the "Ear Seed Corn Man," is known far and wide among farmers and gardeners throughout the Middle West.

His annual catalogue is a mine of information on seed subjects and a carefully prepared list of good things to be found in the "Red Packet" seed packages, red packet being Mr. Field's method of identifying the seeds shipped from his establishment. Before purchasing seed it is worth while securing a copy of Mr. Field's catalogue, which he sends free of charge, and becoming acquainted with the good things he offers. The 1905 catalogue is now being sent out.

The A. A. Berry Seed Company, whose advertisement appears in our columns, are having a warm time these days filling orders for their popular brands of seed corn, garden and field seeds. The new assistant to Mr. Berry, Mr. W. C. Affeld, is finding ample scope for his fine business ability in helping to keep even with the avalanche of new orders that are already upon them. Good seeds, fair dealing and prompt shipments are appreciated by our farmers, who are no longer hay-seeds, but modern business men. Write for their new free catalogue. It's one of the very best and has a few extra features that every seed buyer ought to know. Address A. A. Berry Seed Company, Clarinda, Iowa.

For horses, cows, hogs, sheep
Pratts Vet. Worm Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

★ Poultry Printing

All can make something during the egg season with this printing, because it saves labor and sells stock and eggs for more than its cost. Letter-heads or envelopes, 75c; egg labels and tags, 55c per 100; post-up cards, 6x9, announcing eggs and chicks for sale 75c per 13; business cards, \$1 per 250; mail cards, 75c per 100 postpaid. Samples 2c. B. P. Rock and S. C. W. Leghorn eggs, \$2 per 13.

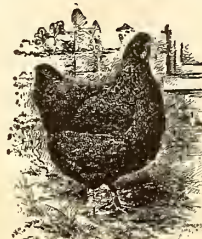
JOHN ENGLE, Jr.**90 Komorn St., Newark, N. J.**

Originator "EMMEL'S" "Gibraltar" Strain

Light Brahmas, S. C. Buff Orpingtons and S. C. Brown Leghorns.

EGGS First prize winners wherever shown. Exhibition matings, \$4 per 13; other matings \$2.50 per 15, \$4 per 30, \$8 per 100
H. A. EMMEL, Box R 31, Mars, Pa.

Expert Poultry Judge.
Light Brahma eggs \$4 per 13 straight.

HADAWAY'S**Partridge Wyandottes**

are the champions of America, winners of the \$100 championship cup, the \$75 breeders' cup, and more than one-third of all regular prizes at the largest exhibit of this breed ever held in the world. Send for catalogue telling all about them. Eggs \$5 per 15, \$8 per 30, \$10 per 45.

J. B. HADAWAY

686 N. Main St., Brockton, Mass.
First Hen, New York, 1904

CHAMPION BUFFS...

At New York, 1905

My Buff Wyandottes won 1st cock, 1st hen, 3d cockerel, 2d pen in heavy competition.

At Boston, 1905

I entered one Buff Wyandotte cock and won 1st and special prize in competition with the best in America. My Buff Rocks have been winning all down the line this season, and are buff to the skin.

For quality in BUFFS write

A. C. HAWKINS, Lock Box 25, Lancaster, Mass.
See ad on back cover.

1868 Nettleton's Lt. Brahmas 1905

Have the best lot of youngsters this season as to size, shape and color I ever raised, all line-bred. My Brahmas have won the blue at many exhibitions. A few grand breeding cocks for sale. Prices right, satisfaction given. A few White Cochins, grand birds, for sale. Write for particulars.

C. P. NETTLETON

Box 159, Shelton, Conn.

A SEED GROWER AND SEED
SELLER.

If you want to be dealt with liberally and at the same time buy your seeds from the man who grows them, R. H. Shumway, seed grower, Rockford, Ill., is a good man to get into correspondence with. You will be assured of fresh seeds and the variety you select. That assurance is worth paying an extra price for, but Mr. Shumway is remarkably low in his prices, far lower than most seed sellers, many of whom buy their stocks to sell again. Of course, they must all have a profit. Mr. Shumway grows and sells many seeds at a penny a packet. That's better than a nickel a packet when you know them to be of right varieties and fresh. Onions, for example, are something of a specialty with him. Some varieties of onion seed he is now selling at only 50 cents a pound. He publishes a catalogue of his home grown seeds, and mails free to all applicants. It is a good seed book to send for.

George A. Heyl, Washington, Ill., recently offered some valuable prizes to be given on poultry orders. The result of the contest was as follows: R. L. Bolitho, Alden, Iowa, won the Shetland pony on an \$80 order; D. O. Miller, Eldora, Iowa, won the pair of Poland-China pigs on a \$67 order, and Mrs. Charles J. Johnson, Streator, Ill., won the pen of poultry on a \$32.50 order. AMERICAN POULTRY JOURNAL readers should secure a copy of Mr. Heyl's catalogue, in which there will be found fully illustrated fine descriptions of his Shetland ponies, Poland-China pigs and poultry. Mr. Heyl is an extensive breeder, with years of experience, and has filled important positions as poultry judge, and buyers are assured good attention and good stock in ordering from him.

Ames Plow Company, Boston and New York, are sending out a very complete and perfect catalogue of their seeding and cultivating implements. This catalogue contains not only a description of the machines sold, but also the very excellent printed essays on garden and seed planting. Every reader of AMERICAN POULTRY JOURNAL should send for a copy of this.

The Barred Rocks of G. A. Miles, Laceyville, Pa., are in front among the best on earth. They are distinguished for unusually narrow, clear, ringy barring, birds of his exclusive breeding, in his hands winning five-sixths of the prizes competed for. He has a very fine stock for sale. Eggs, \$3 for 15, \$5 for 30.

Wilber Bros., Petros, Tenn., the Single Comb White Leghorn specialists, have mated up a number of very choice pens from which they are selling eggs for hatching. They sell everything under a positive guarantee to be as represented, and if any of our readers are looking for eggs or fowls of this variety we would suggest that they write for catalogue of the Gem strain of Single Comb White Leghorns.

Insures good health
Pratts Cow Tonic.

Made by Pratt Food Co., Phila. Over 30 years old.

The writer has before him a copy of the Dollar Making Incubator proposition. This is the title of the booklet recently issued by the Iowa Incubator Co., of Des Moines. It describes the methods they use in the construction of their incubators and clearly points out the advantages to be gained by the use of Iowa incubators. It contains an entertaining discourse on the profits of poultry raising in its various branches. We all know there is money in poultry, but this book makes us know it more surely than ever. Any one who has studied the poultry proposition with a view to engaging in it at some future time or any one who is now interested in the business and thinks they would have use for an incubator of the right kind, would do well to secure a copy of this book. The publishers send it upon request. Simply mention the name of this paper when writing to the Iowa Incubator Co., of Des Moines, Iowa.

The March Century will contain a new and interesting portrait of President Roosevelt from a stereograph by Underwood & Underwood, of New York. The picture shows the President in mountain garb at Glacier Point, Yosemite Valley, and was taken during his recent visit to California.

T. R. McDonald, of Winchester, Ky., won at Louisville, January 22-28, 1905, in a class of ninety-one White Plymouth Rocks on three entries, second cock, third pullet. There were twenty-one cockerels in the show, which was judged by comparison.

A 30 years test
Pratts Animal Regulator.

Made by Pratt Food Co., Phila. Over 30 years old.

AGAIN WE WIN

THIS TIME AT THE GREAT CHICAGO SHOW.

At the ninth annual exhibition held by the National Fanciers' and Breeders' Association, January 23-28, 1905, we won on fifteen entries the following awards:

LIGHT BRAHMAS—First cock, second pen, second and fourth hens.

PARTRIDGE COCHINS—Second pen, third hen, fifth cock, fourth and fifth pullets. We still have a small amount of breeding stock for sale and are booking orders for eggs at \$2.50 and \$4 per sitting of thirteen.

ELMDALE FARM

C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Ia

EGGS! EGGS!! EGGS!!!

FROM

Worlds Fair
..Winners..

LARGEST EXCLUSIVE BREEDER
OF EXHIBITION

GAME BANTAMS, PIT GAMES
...and FERRETS IN AMERICA...

Plenty of Birds for Sale. Write to-day, to-morrow never comes. When writing for fun enclose stamp.

V. C. HASKELL, Zanesville, O., Box 542



Attend To Your Renewal.

Many thousand subscriptions to the AMERICAN POULTRY JOURNAL expire this month, and we would ask as a favor that the matter be attended to at the very earliest date possible. Sometimes our subscribers wait to be personally notified by mail of the date of expiration. With such heavy work as falls upon our subscription department at this time of the year, it is impossible for us to write each one, so we would thank our patrons to attend to their renewals promptly without waiting for any special notification.

Subscription offers will be seen on various pages of the Journal. Send in two subscriptions at 50c each and we give your own FREE.

We cut off at date of expiration. The date on the wrapper of your paper will show to what time you are paid. "Mar. 05," for instance, means that you are paid to March, 1905.

As the policy of the AMERICAN POULTRY JOURNAL is to have all subscriptions payable in advance, we would be pleased to hear from each one in good time, so that there may be no disappointment caused by being dropped from our list. Send your subscription AT ONCE.

American Poultry Journal Pub. Co.
325 Dearborn St., Chicago, Ill.

1883 **SWAN'S STANDARD ROOFING** 1904

2 & 3 PLY. TRADE MARK.

ROOFING **EXTRA HEAVY FELT ROOFING** **ROOFING**

for poultry houses; a low price, durable roofing. Endorsed by thousands of poultrymen. Many of the largest poultry plants are covered with it; it can be applied by anyone on steep or flat roofs. If you are going to build, or have roofs to repair, send for samples, circulars and prices.

THE A. F. SWAN CO.,
12 Battery Place, New York, N.Y.

ORR'S WYANDOTTES ORPINGTONS

All the standard varieties of both breeds. We could not compete for World's Fair prizes, being superintendent of poultry there; but our display pen with one hen of each of our ten varieties attracted much attention. Eggs For Hatching Our Specialty. Twenty-two years' experience has secured us the confidence of customers in every state. Booklet free. Name your variety. Orr's Lice Killer is Best, \$1 per Gal. T. E. ORR, Box 807, Beaver, Pa.

DOLLARS SAVED

Because you save time and labor in your poultry work. Neat, attractive and perfectly sanitary quarters; ease and convenience in cleaning; healthier fowls and freedom from mites are only a few of the valuable, practical features of

THE POTTER PORTABLE HENNER Y OUTFIT

and vermin exterminator roost. Our fixtures are pleasing hundreds of other poultry keepers in every part of the country. However your house may be arranged we can equip it perfectly and completely. Fixtures made in three styles and fifty different sizes. Prices are right and reasonable, \$1.00 up. You need convenient and up-to-date fixtures in your henery if you would succeed. Send one red stamp for our thirty-page catalog telling all about Potter fixtures, simplex trap nest device, W. P. Attachment, etc.

T. F. POTTER & CO., BOX A, DOWNERS GROVE, ILL.

Try the New Majestic Tomato

The greatest vegetable novelty of the season. By all odds the largest, finest flavored and most productive in existence. Thousands of our customers who received small trial packages last spring wrote us in the fall that it surpassed all other sorts and produced 100 lbs. to 147 lbs. of fruit to the plant. Many reported single tomatoes, weighing 3 lbs. to 5 lbs. each. Just think what this kind of a crop would mean on an acre of ground. The fruits are not coarse grained and poor like other large sorts, but are smooth, solid, have few seeds, and are unsurpassed in quality. Of fine shape and beautiful color. Last year the seed sold at 40¢ per packet of 100 seeds, but this season, we have reduced price to 10¢, and in addition to this we are offering

\$100.00 in Cash

prizes this year for the largest tomato grown. Our large illustrated catalogue describing the above and many other choice varieties will be sent free if you mention this paper.

IOWA SEED CO.,
Des Moines, Iowa.

SELECTING BREEDERS.

To the amateur poultryman about to mate his breeding yards we would advise line breeding. At least do not be so fearful of inbreeding that you get cockerels of an entirely different strain each year. You can never hope to get a strain of uniform characteristics that way. Buy a good hen, mate her with a cockerel of your own breeding and from the product of this mating select the cockerels for next year.

B. S. BECKINGTON.

Garden Prairie, Ill.

NOTICE.

Are you interested in Rose Comb Brown Leghorns? (sure you are) Then get in line. They are coming your way. Send for our annual club catalogue and entry blanks.

FRED ALGER,

Sec'y. & Treas. American R. C. B. L. Club.

Waukau, Wis.

New healthy blood infused in the stock will mean a better physical condition of the offspring.

A tonic for horses, cows, hogs
Pratts P. V. Condition Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

A wonderful remedy for Colic
Pratts Veterinary Colic Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

E. B. CRIDLER'S

S. C. B. Leghorns

ARE NEW YORK WINNERS.

Box A, - - Dansville, New York

WIRE-\$1.40 Per 100 Lbs.



Smooth galvanized wire, put up 100 lbs. to a bale, lengths running up to 250 ft. No. 14 gauge, per 100 lbs. \$1.40. Write for prices on other gauges. Fence staples, per 100 lbs., \$2.00. Wire nails, mixed in a keg, per 100 lbs., \$1.60. Barbed wire, per 100 lbs., \$2.35. Poultry netting, steel fence, etc., at low prices. Ask for Catalogue No. E, 18¢ on merchandise of all kinds from Sheriffs' and Receivers' sales.

CHICAGO HOUSE WRECKING CO., West 35th & Iron Sts., Chicago

100

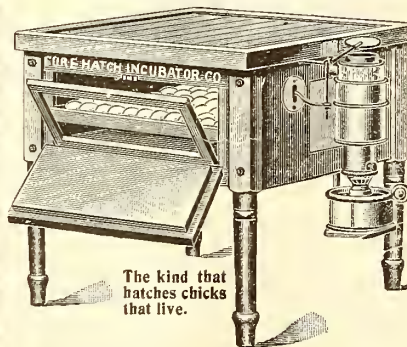
Envelopes 8 1/2 by 6 1/2 inches, an extra thick, strong, smooth, hard slick white writing surface, and 125 Letterheads, 8 1/2 by 11 inches an extra heavy, hard, slick, fine smooth, pure white writing paper. All artistically printed to your order and illustrated with latest new Standard cuts of your choice breed fowls, postpaid for \$1.00. Better printing at the price was never done. I'll please you. Make all money orders payable to me at Big Clifty, Ky.

J. R. HUDSON, HARDIN SPRINGS, KY.

We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR

SURE HATCH SUPREMACY

Remarkable Results of Scientific Incubator Making and a Liberal Selling System



The kind that hatches chicks that live.

60 DAYS' TRIAL

Freight Prepaid. Our Guarantee Backed by \$100,000 Cash

It is one thing to claim superiority for your product and quite another to prove it. The Sure Hatch Selling System involves it or No Sale.

Over 60,000 Sure Hatch Incubators are in use throughout the United States.

These machines were sold with the return privilege, and every one of them stood the test of actual use.

A Sure Hatch Incubator is a money-maker for its owner and a trade-winner for us. It hatches more chicks that will live and grow to the 100 eggs than any other incubator made. That is the secret of the wonderful growth of our business.

There's all the difference in the world is the various makes of incubators.

The Sure Hatch keeps its place at the head of the list, because every machine we sell is so well made that we are willing to stake our reputation and our money on the results it will show in operation. Take the matter of material. We found by extensive tests that the best wood to use in incubators is redwood. Consequently we build our machines of clear California redwood, and we know they will never warp or crack, shrink or swell. We make the tank and heating pipes of copper because it practically lasts forever. We use asbestos lining because we want the best non-conductor of heat or cold. Some so-called incubators are simply thrown together in the quickest and cheapest manner possible. Sure Hatch Incubators are carefully made by expert workmen in the largest incubator factory in the world, with the aid of the most modern machinery. They embody thoroughly scientific principles. The Sure Hatch water Heater has 138 square inches of heating surface, and only a small fraction of it is outside. Heats quicker and at less expense than other heaters.

The eggs are heated from the top, by air that is kept automatically at just the right temperature. 30 cents worth of oil is enough for one hatch. 30 cents worth of time is a liberal allowance for necessary care.

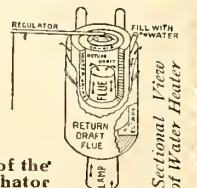
We offer on 60 Days' Trial, Freight Prepaid, east of the Rocky Mountains. Our 100-Egg Sure Hatch Incubator (actual capacity 120 eggs) guaranteed five years.

Send \$10.00 and we will ship the machine at once. Money will be refunded if not absolutely satisfactory. We can make quick shipment. If you live east of the Mississippi River, address Indianapolis, Ind. If west, Clay Center, Neb. Our big Free Catalogue now ready. Invaluable hints to poultry raisers. Get a copy. Write us at once.

SURE HATCH INCUBATOR CO.,

Box 6715, Clay Center, Neb.

Box 16715, Indianapolis, Ind.



DAVIS ANTI-LOUSE ROOST BRACKETS.

Poultrymen who know the ravages made on fowls at night by the midge louse or mite will appreciate the necessity for some such appliance as the Keyes-Davis Company, of Battle Creek, Mich., are advertising in this paper. Their Anti-Louse Roost Bracket is intended to protect fowls from this class of vermin, which are altogether different from the ordinary body lice. The dust bath and lice killers applied to fowls do not relieve from the midge louse. They crawl upon the fowl at night and return to the under side of the roost or to wall cracks during the day. This bracket, by means of oil cups, prevents the lice from reaching the roost at all. It has other advantages, chief of which is that it can be raised up against the wall so that the roost platform can be cleaned, roosts painted on under side as well as above and permitting easy cleaning of the entire house. The workings of the bracket are well shown in the illustration in the ad. It will be noticed that they make two styles, single roost and multiple roost style. A neat illustrated circular sent out by this company sets forth the making and advantages of the bracket in detail. Any one wanting to install an up-to-date roosting device should write for this circular. The Keyes-Davis people also manufacture an excellent line of poultry markers. The most popular of these are the Davis poultry punch and the Climax, Smith Sealed, Eclipse and Double Clinch leg bands. These are among the most popular markers made. Note the advertisement and write direct to the manufacturer for all particulars.

C. A. Strohm, Elkhorn, Wis., breeder of Barred Plymouth Rocks exclusively and originator of the Badger strain, has just issued a new illustrated catalogue, which gives his mating of breeding pens in detail and tells about Badger Boy, one of the greatest Barred Plymouth Rocks ever put in a breeding pen.

Mr. Strohm is state secretary in Wisconsin of the American Plymouth Rock Club, and certainly has some good bargains to offer. He is mating seven breeding pens this season and thinks they are the best he has ever mated for the egg trade. His eggs are proving very fertile. He put some in incubation February 6th that proved 91 per cent fertile. He has never had eggs

so fertile during the winter, and this certainly is a great record.

H. A. Emmel, Mars, Pa., won at Butler, Pa., show, held February 8-11, 1905, as follows: On four entries in Light Brahmas, first and second cocks; first and second



COLUMBIAN WYANDOTTES.

Winners of three firsts at Detroit, and third cockerel at World's Fair. Owned by H. H. and E. M. Coburn, Memphis, Mich.

heus. On eight entries in S. C. Buff Orpingtons, second cock; first hen; first, second and third cockerel; first, second and fourth pullet. On five entries in S. C. Brown Leghorns, second cockerel (entitled to first, from all Leghorn authority); second hen (also entitled to first and second hens, from all Leghorn authority); second and third pullets. Mr. Emmel also won the special for the best Light Brahma cock and the special for best Orpington pullet in show,

all varieties competing; besides winning five other minor specials.

F. C. Bailey, of Reading, Mich., has won a total of twenty-four prizes at the last two Chicago shows on S. C. and R. C. Whites, S. C. Buffs and R. C. Blacks. Thirteen out of a possible seventeen first prizes. Then, too, a different string of birds were shown each time, with the exception of two birds. Mr. Bailey now owns the champion R. C. White Orpington cock of the world, valued at \$300. The bird was conceded to be the whitest male bird at the late World's Fair, where he won first prize. Send a stamp and Mr. Bailey will send you a copy of his newest 1905 catalogue in colors.

The Willow Brook Poultry Farm, of Berlin, Conn., have published at a large expense a forty-page illustrated catalogue, describing Willow Brook Farm and its winning Orpingtons, and also a twelve-page Mating List, describing over thirty-two different matings and yards of birds in the S. C. Buff, Black and White Orpingtons, and giving prices of eggs from each and every yard.

They also publish a book of testimonials from parties who have written them unsolicited. They aim to please their customers and do everything that is within reason to have each and every customer a satisfied one.

J. H. Santee has severed his connections with the Greystone Poultry Farm, Yonkers, N. Y., and is now on his own farm at Campville, N. Y., and intends to devote all his time and attention to the breeding of S. C. Black Minorcas and White Plymouth Rocks.

H. O. Shaw, of Grinnell, Ia., manufacturer of Leg Bands, has had a disastrous fire, destroying many of his tools and dies. He will, however, in a short time be able to fill orders.

W. H. Wiebke, of Fort Wayne, Ind., won at the Chicago show, January, 1905, ten specials on his S. C. Brown Leghorns in addition to his regular winnings as shown in the list published this month.

Softens and preserves leather
Pratts Harness Soap.

Made by Pratt Food Co., Phila. Over 30 years old

PURITY STRAIN SINGLE COMB WHITE LEGHORNS

Are not the "World's Best," but just as good, being both great egg producers as well as prize winners. The greatest egg machines in America. Eggs for hatching from prize winners \$3 per 15, \$5 per 30. Eggs from grand utility matings \$2 per 15, \$3.50 per 30, \$6 per 100. Satisfaction guaranteed. Mention American Poultry Journal.

JOS. A. BURKHART

Smithsburg, Maryland

THE ELGIN KING STRAIN OF
SINGLE COMB WHITE LEGHORNS

Winners again at the Elgin Show, December, 1904. Won 1st cockerel, scored 95; 1st pullet, 95½; 1st hen, 95; 1st pen, 190 by Chas. McClave. Cockerels, pullets and yearling hens for sale. Eggs for hatching. Write for catalogue and mention A. P. J.

W. L. FERN

ELGIN KING POULTRY PLANT

Elgin, Illinois

Bronze Turkeys

Have you bought that breeding Tom or those hens you need to infuse new blood in your flocks? You want the best obtainable, so why delay the matter? At

MADISON SQUARE GARDEN, NEW YORK

January 3 to 7, 1905, I exhibited eighteen turkeys, winning eighteen prizes, viz.: Two firsts, five seconds, six thirds, and five fourths. At

ST. LOUIS WORLD'S FAIR

three first prizes, two seconds, one third, two fourths, two fifths, two sixths, two sevenths, and Silver Cup for best display. What better proof do you want as to quality of my turkeys? I have 200

CHOICE BREEDERS yet to SELL.

EGGS FOR HATCHING \$5 PER 11

I have mated up twelve different flocks, each one headed by a prize winning Tom, six World's Fair winners and six New York winners, all hens being of the very best, among which is over 30 prize winners. Am booking orders now, which will be filled in rotation.

MRS. U. R. FISHEL

Box A, Hope, Indiana

A LESSON IN THE MARKET.

Young housekeepers will discover a fund of information in the papers contributed to *The Delineator* by Isabel Gordon Curtis under the title, "The Making of a Housewife," giving in the March number a lesson in the meat market. The hints are practical and helpful. Other topics of domestic interest, especially during the Lenten season, are "Attractive Fish for Lenten Days," illustrating and describing a number of delicate ways of preparing fish, and a variety of recipes under the headings, "Fruit and Vegetable Salads," "Codfish Variations," and "Eggs—from a Hygienic Standpoint."

R. H. Robson, of Urbana, Ohio, won at the Ohio State Show, Dayton, January 25-31, 1905, on his Buff Rocks: First pullet, 93 1/4, scored by Hewes, in competition with fourteen pullets in class.

Mr. F. H. Stanwood, 433 N. Harvey avenue, Oak Park, Ill., made a good showing at the great Chicago show, 1905, with his pullet mated Barred Plymouth Rocks, winning two prizes out of five entries; average score, 93 points. Mr. Stanwood has all his pens mated up. Any one in need of some first-class stock or eggs should write at once.

R. A. Hewes, Crete, Ill., made good winnings at the Chicago, 1904, show with his Black Langshans. His birds are exceptionally good in color and prolific in egg production. Eggs in season.

E. E. Vanatta, of Vandalia, Mo., has just gotten out a new catalogue of his S. C. White Leghorns, which he would like to have in the hands of all AMERICAN POULTRY JOURNAL readers. It is nicely printed and contains much information about his stock.

MAKE THEM WORK.

Your breeding females—make them work. Do it by scattering a mixture of fine grains—millet, hulled oats, cracked wheat, kaffir corn, etc.—in the litter in the morning. Hens that work have good appetites. Their circulation is better, their combs are redder and they are happier. Remember that a laboring hen is the mother of vigorous, bound-to-live chicks. C. A. DUTTON.

Pine Grove, Pa.

Rub hard worked horses with
Pratts Veterinary Liniment.

Made by Pratt Food Co., Phila. Over 30 years old.

New Steel Roofing and Siding \$2.00 per 100 Sq. Ft.



Painted red on both sides. Most durable and economical covering for Roofing, Siding or Ceiling for Residences, Houses, Barns, Sheds, Elevators, Storcs, Churches, Poultry Houses, Cribbs, etc. Easier to lay and will last longer than any other covering. Cheaper than shingles or slate. No experience necessary. A hammer or hatchet the only tools needed. It is semi-hardened high grade steel. \$2.00 is our price for the flat. Corrugated as shown in cut, or "V" crimped or standing seam costs \$2.10 per 100 square feet. We offer Pressed Brick Siding and Beaded Ceiling or Siding at \$2.25 per 100 Square Feet. Thousands of buildings throughout the world are covered with this steel roofing and siding, making their buildings

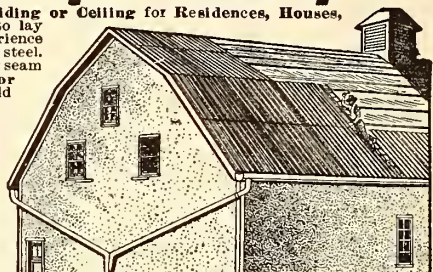
FIRE, WATER AND LIGHTNING PROOF.

Send in your order for as many squares as you may need to cover your new or old building. Time will prove its enduring qualities. Withstands the elements, best of all roofings. At prices noted in this advertisement.

WE PAY THE FREIGHT

to all points East of Colorado, except Indian Territory, Oklahoma and Texas. Write for prices for shipment to such points. Ask for further particulars. Immediate shipment if you mail us your order at once. Satisfaction guaranteed or money refunded. Our Special Catalogue No. K. 186 tells all about this roofing. It also quotes low prices on Building Material, Wire, Pipe, Plumbing, Sash, Doors, Furniture, Household Goods, Down Spouting, Eave Trough and thousands of other items bought by us at Sheriff's and Receivers' Sales.

CHICAGO HOUSE WRECKING CO., 35TH AND IRON STS., CHICAGO.



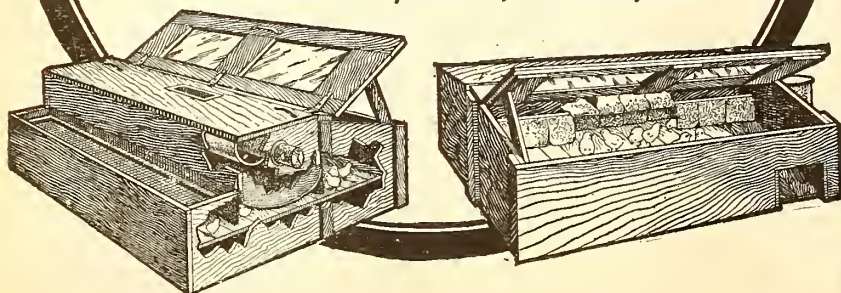
That's the Secret of

the "Mandy" Lee Brooder. It puts the heat right on the spot where the young chicks need it—on their backs—right where they get it from the old hen. It furnishes direct contact heat and in the natural, hen-like way, the only way to insure natural results. The chicks get it where they want it, when they want it, and just as much or little as they want. They can have their heads out in the fresh air this brooder supplies at all times, and have their backs against the warm hover. No wonder they live, thrive and grow fast in

"THE Mandy" Lee BROODER

What's the use of hatching chicks if you can't raise them to the profit-bringing point? There is not a brooder built that will raise one-half as many chicks to maturity as the "Mandy" Lee. Why? Because they are not built upon nature's lines and the "Mandy" Lee is. It comes so near to nature's way that there's nothing omitted but the old hen's "cluck." Write for circular giving full detailed description and illustrations showing how the "Mandy" Lee does it. Does it is so different; so much better, yet costs no more than the poor kind.

GEO. H. LEE CO., Box 71, Omaha, Neb.



WHITE PLYMOUTH ROCKS; BIG birds, pure white, good as the best. Eggs \$2 per 12, \$5 50 per 45. Breeding yards score 93 to 96 1/2. Farm range stock, selected, \$1 per 16, \$5.50 per 100.

S. J. SAYLER
3-2 New Market, Ind



HEALTHY TREES

Honest in quality. Grafted apples 4c; Budded Peaches, 4c; Budded Cherries, 15c each, good varieties. Concord Grapes, \$2 per 100; Ash, B. and H. Locust, low price; 1000 Rus. Mulberry st. We pay freight. Catalog free. Galbraith Nurseries, Box 77, Fairbury, Neb.

A Hen's Teeth

are in her stomach. Give her good teeth and she'll digest good food for you and turn it into profit. The poultry raisers who supply their hens with

Mico Spar Cubical Grit

find it never loses its sharp points and corners. It is the best kind of teeth you can give your hens. Contains iron for yolk; lime, soda, magnesia for shell. It costs a cent a pound in hundred pound bags at your dealers. Agent wanted in every town. Send for free folder that tells all about it.

International Mineral Co.
120 Tremont St., Boston



GIZZARD



GREIDER'S FINE CATALOGUE
of Standard bred poultry for 1905, printed in colors, fine chrome, suitable for framing, illustrates and describes 60 varieties. Gives reasonable prices for stock and eggs, tells all about poultry, their diseases, lice, etc. This book only 10 cents.
B. H. GREIDER, RHEEMS, PA.



VIEWS ON THE ALLYN POULTRY FARM, DELAVAN, WIS.

NEW POULTRY BOOK SENT ON APPROVAL.

Mr. Clarence Ward wants every beginner in poultry culture to read his new 50c book, entitled, "*Successful Poultry Culture for Pleasure and Profit*," and is willing to send it free on ten days' approval to every man, woman or boy interested who will take the trouble to write to him for it.

The book contains 132 pages, 35 illustrations, and 18 chapters, and is especially designed and written for the beginner, and also giving valuable pointers to the experienced breeder. It tells how to succeed and make big money raising poultry from the start, also how to get eggs in winter, feed chickens, succeed with incubators and brooders, operate a

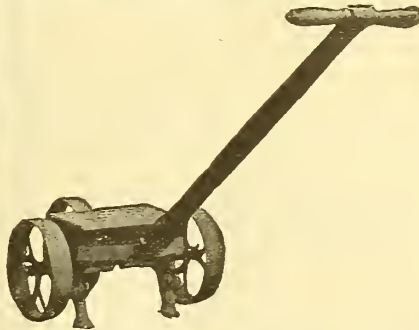
large market plant, cure disease, build poultry houses, make money on a small city lot, shows plans of model houses, and gives much more valuable information.

In order to assist our readers to get this book on approval we print the following coupon, and advise our novice friends to fill it out, cut off, and send it today: Congress Park Poultry Yards, Clarence Ward, Prop., Congress Park, Ill.

Enclosed find 4c in stamps for which please send me on approval, your new book, "*Successful Poultry Culture for Pleasure and Profit*." If I want the book I agree to send you 50c for it. If I don't want it, I agree to return it to you within 10 days.

STRATHMANN'S POULTRY YARD SEEDER.

Any reader of the AMERICAN POULTRY JOURNAL who keeps a dozen chickens or more should examine into the merits of the Poultry Yard Seeder, manufactured by the



Strathmann Manufacturing Company, 140 E. Fullerton avenue, Chicago, Ill.

This is a machine weighing only thirty pounds, easily propelled by means of the long handle attached to a wheel, and an apparatus for sowing grain or seeds. It sows two rows, 10h apart, at the same time, cultivating your ground and doing

what all poultrymen and writers recommend. This will keep your chickens scratching for their food. Nothing yet has been discovered that works more to the benefit of fowls than to have them exercise and work for their daily food. By sowing seed or grain a little distance below the surface of the ground the fowls, following their natural instinct to scratch for their food, work hard and earnest to find the seeds that have been deposited in the ground by this seeder. This machine attracted a great deal of attention at the Chicago show, where it occupied a prominent position in the north end of the building, and where the machines were in active operation during the show.

One strong feature of the machine is that it is simple and durable and cannot get out of order and can be operated by any boy or girl. Now that the springtime is fast approaching AMERICAN POULTRY JOURNAL recommends that every one of its readers send for a circular, addressing the Strathmann Manufacturing Company as above.

The Steinmesch Chick Feed has now been on the market for five years, and from a small beginning has grown to be one of the industries of St. Louis. The quality of this feed has been maintained regardless of the high price of grains and seeds. Only the best of everything is used. Twenty different kinds grains and seeds, including beef, bone and grit. It is being sold in England, South America and Alaska and all over the United States and Canada. It is being shipped in carload lots to S. H. Church, Los Angeles, Cal., who is Pacific coast agent, and who also handles the Petaluma Incubator and Midlands Feeds and other poultry supplies. Parties on the coast wanting the Steinmesch "Extra Quality" Chick Feed can get some from Mr. Church, 505 South Main street. Special prices will be made on large lots. Poultry fanciers should obtain a sample of Steinmesch Feed and compare it with others. See ad on another page.

Frank J. Hicks, Onarga, Ill., breeder of prize-winning White Plymouth Rocks and White Holland Turkeys, has mated up some very choice pens of both varieties and is offering eggs at a very low price, considering quality of stock. His White Plymouth Rocks score from 93% to 95, and he has many prize winners in his turkey yards, including the tom that won first at Chicago and second at St. Louis, and nearly all the females were first or second prize winners at prominent shows. Send for his circular and mention AMERICAN POULTRY JOURNAL.



"NABOB."

A remarkably fine cock bird, winning first at Dearborn, Mich., Dec. 12 to 16, 1905. Score as a chl. last season 94½ by Butterfield. He is a lemon colored Buff from tip to tip, not the slightest part of variation in color, has one of the finest neat, low combs that ever grew on a Buff Rock, and has solid huff wing and tail, and is a noted pullet breeder, throwing many pullets last season that score 94 points. "Nabob" will head my third pen this season. Bred, owned and exhibited by Dearborn Poultry Yards, S. D. Lapham, Prop., Dearborn, Michigan.

Silver Penciled Wyandottes

FIRST AND SECOND on cock
FIRST AND SECOND on hen
FIRST AND SECOND on pullet
FIRST on cockerel
FIRST AND SECOND on pen

At
World's Fair Show
St. Louis,
October 1804

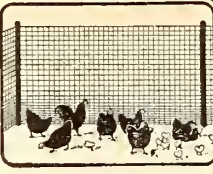
EGGS FROM PRIZE MATINGS. Stock for sale. Send for
FREE Catalogue

E. G. WYCKOFF, Box 6, ITHACA, N. Y.



H. B. RUBBER ROOFING
The Cheapest Roof Ever Put On
 A new rubber roofing that for wearing qualities and cost cannot be equaled. Weather, rain, sun, proof-fire-resisting. Water runs off it like it does from a duck's back—that's why it's soak-proof. That's why it lasts for years—why it don't shrivel or warp, but instead, hardens and toughens like iron. Roofing that absorbs moisture, whether shingles or prepared material will soon give out; the swelling and contracting causes it to loosen and rot. The sun draws out with the evaporating moisture it's very life — it's wearing qualities—leaving a dead, tinder-like substance that soon becomes as easily soaked with moisture as a blanket. A test of **H. B. RUBBER ROOFING** soon proves it is best while the cost is very small.
\$1.25 Per Roll—108 Square Feet
 Just figure out what it would cost to cover the roof of your house, barn, shed, or poultry house, and then figure that it will outlast any other roofing and you'll find it the cheapest roofing ever put on. Can be laid over old shingles, the only tool necessary is a hammer. Requires no painting and does not taint the rain water. Suitable for any climate. Excellent for siding or lining purposes. Each Roll contains nails, caps and cement sufficient to lay it. Comes in three thicknesses. One-ply \$1.25 two-ply \$1.90 three-ply \$2.75 per square of 108 sq. ft. **SEND FOR BOOKLET "A" & FREE SAMPLES.**
Harris Bros. LOOMIS & 35th. STS. CHICAGO.

Union Lock Poultry Fencing



As It Looks When Erected

Strongest and Best By Every Test.

Has been fully tested by leading poultrymen. All heights (12 in. to 7 ft.) Has fine mesh for small chicks. Over 1,000 rods of this fence used on Lakewood Poultry Farm, New Jersey. You will be pleased with it.

Our Low Price will Surprise You.

We will ship from mills in Connecticut, Illinois and California, and guarantee prompt delivery. Catalogue of Farm and Poultry Fencing sent free.

Write Us What You Want.
Do It 10-Lay.

CASE BROTHERS,
16-22 Main St., Colchester, Conn.

RIGG'S HOUDANS.

DRIFTWOOD FARM,

GIRDLETREE, Md., Dec. 17, 1904.

Thos. F. Rigg, Iowa Falls, Iowa.
 Dear Sir: In 1898 I obtained in Colorado three Houdans that were purchased of you. I took them to Brazil, where they were practically unbeaten by the best English strains, to say nothing of breeding a lot of youngsters that hustled their Minorcas in egg production.

WALDO KENNARD.

This strain of Houdans has been linebred for more than thirty-one years. They supply winners at all the leading shows annually. They are large, vigorous, great egg producers and always winners. Note Mr. Rigg's announcement in another column.

Scribner's Magazine for February contains the first installment of a new lot of letters by "A Diplomat's Wife"—Mary King Waddington. These are Mme. Waddington's vivid record of a visit to Italy in 1880, just after M. Waddington had resigned the Prime Ministership in France. They were received in Rome with the greatest distinction, and these letters give a picture of the Court life of that day, and are fully illustrated from portraits and photographs.

D. S. Lovejoy, Elgin, Ill., an old time exhibitor of Buff Cochins and Partridge Wyandottes, has several good cockerels and pullets for sale. Write him and get his low prices on stock and eggs.

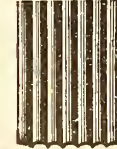
G. A. Gibson, Hector, Minn., entered sixteen Buff Orpingtons at the great Minneapolis show and won fifteen prizes, including best display; won six firsts out of a possible seven. Mr. Gibson is offering eggs from these winners.

BUFF PLYMOUTH ROCKS.

Where are we at? Are we working to produce Buff Rocks with buff color throughout, or are we simply trying to get an even surface colored body, regardless of black or white on wings and tail? For instance, if a bird has an even surface colored body and black or white on wings and tail, and another bird is solid buff throughout but not quite so even in surface color, which should have the preference? **MARSHALL E. KEIG.**
 Romeoville, Ill.

I had a pullet which scored 89. Next season as a hen it scored 93—same judge. Same season cock bird scoring 89, this season 93—same judge. Both birds in pink of condition both times. Can any judge score all classes of birds in show room in his class and be any where near correct? I claim it cannot be done.
D. S. LOVEJOY.
 Elgin, Ill.

Steel Roofing 100 Square Feet, \$2.00



WE PAY FREIGHT EAST OF COLORADO
 Except Oklahoma, Indian Territory and Texas. Strictly new, perfect steel sheets, 6 and 8 feet long. The best roofing, siding or ceiling you can use; painted two sides. Flat, 82; corrugated or Verlmipd, \$2.10 per square. Write for free catalogue. No. D-56 on material from Sheriffs and Receivers, Sales, **CHICAGO HOUSE WRECKING CO.**
 85th & Iron Sts., Chicago.

THIS 100 lb. Sack of PAYNE'S Alfalmo Poultry Food

Costs you but \$2.50. It will bring you 50 per cent on the investment in 30 days from the date you begin feeding it. Sounds like a strong statement, but here's the evidence from a practical poultryman that backs it up:

Manning, Iowa.

Alfalmo Meal Co.,

Gentlemen: In eight days feeding your Alfalmo Poultry Food several coops of my chickens made a gain of 17 per cent in weight. In 16 days they gained 26 per cent. Alfalmo Poultry Food formed one-fourth of the fattening ration, serving as a green, appetizing feed to balance the ration and keeps the birds healthy.
W. B. PARROTT.

"The proof of the puddin' is in the eatin' of it." We don't ask you to take our word as to what Alfalmo Poultry Food will do—nor even the word of those who use it. We want you to try it for yourself. Order a 100 lb. sack—feed 50 lbs. of it—if it don't do all we say it will, return the remaining 50 lbs. and we will refund the full price you paid for the 100 lbs. If you don't want to order as much as 100 lbs., order a 50 lb. sack for \$1.50, the same offer will hold good in either case. **We know what it will do.** Our object in making this offer is to make it easy for you to find out what it will do. Order a sack and make the test at our expense. Ask us to send you, free, a copy of our valuable book, "Poultry Pointers," handsomely illustrated and full of money-saving hints for the poultry-keeper. Tells all about Alfalfa Products.

ALFALFA MEAL CO.,

Originators of Alfalfa Meal, 1632 Farnam St., Omaha, Neb.

WYANDOTTES--PLYMOUTH ROCKS

PRIZE WINNERS ORDER EGGS NOW. SEND FOR CIRCULAR AND SOUVENIR

We have lately bought a pen of White Wyandottes, selected for us by a prominent poultry judge as "the best in the west" Cock scored by Judges Russell and Heck.

WEST MICHIGAN POULTRY FARM

J. D. Waghorn, Supt., Bangor, Mich.

Geo. S. Bigelow, Prop., 1408 Fisher Bldg., Chicago, Ill.

Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

BOSTON SHOW 1905.

For weather conditions the Boston show has had no equal this season.

Entries all told were 4,398 in number.

Light Brahmas as usual lead the line, followed by their darker brethren. Both classes showed very fine birds. Buff Cochins had very fine birds unplaced, while Partridge and Whites stood way up in quality. Several of the males were very heavily booted. The awards were well placed throughout the Asiatic classes.

Barred Plymouth Rocks, a long string, numbering 114, in open classes. White Rocks 82, and some very fine ones, especially first pullet, which was a dandy. Buffs showed some very fine even coloring and quite a long string too.

Wyandottes in silver, golden, whites, black, buff and partridge numbered all told over 400 birds. R. I. Reds in single and rose combs showed a total of 197 birds and a strong string they were.

But the kingpin for quality was the Dorking classes. Never in this country and on good authority I should say,

neither in the old country, has such quality been brought together. It was as grand a lot of birds as one would wish to see anywhere. Our old friend Mr. Henry Hales says he never saw such fine birds in competition before.

In the Orpington classes the whites were shown by two exhibitors, and it was easy placing the ribbons, if only on condition birds were shown in, one lot looking as if they were picked from a manure heap and sent to the show room with absolutely no preparation. In Leghorns the whites as usual, showed largest entries.

Hamburgs brought out some extra fine ones in silver spangled Indian games. First cock came all the way from Fruitvale, Cal., to compete.

In Houdans there was some very fine specimens competing for the club special for best cock. This ribbon was the finest in the show, being very large and exceedingly handsome. First cock won all specials including the \$100 Champion Challenge Cup.

He was a finely colored and crested bird of good size and style. Second was a similar bird, but not quite so large. First hen large in body and fine shape

and crest, winning special for color and shape. Second also fine.

First, second and third cockerels easy winners and grand good birds, while first, second and third pullets were pronounced by every breeder present to be the finest Houdan pullets ever shown.

Bantam classes were full of beauties and I don't envy the judge his job on this lot. Pigeons were placed mostly on the Huntington avenue side of the hall and were a great attraction to the visitors.

If the specialty clubs on standard poultry offered such specials as do the pigeon fanciers, you could not find a hall large enough to coop the exhibit.

I really believe that the incubator and brooder display has never been equaled in Boston or New York before. Supplies of all kinds from grit to poultry houses were very much in evidence.

The poultry press was represented by Farm Poultry, Feather, New England Poultry Journal, Advocate, Reliable Poultry Journal and American Poultry Journal

CHAS. H. WARD.

THE AWARDS.

Taken from Farm-Poultry.

Addresses of Boston exhibitors are not given. Other addresses given with first mention of name. Towns not otherwise designated are in Massachusetts.

LIGHT BRAHMAS.—Ralph Stoddard, N. Hanover, 6 cock; 6 hen; 4 cockerel. H. N. Rollins, Westboro, 2, 3 cock; 2, 3, 6 cockerels; 1, 3, 6 pullets; 1 pen; 3, 4, 6 hens. Hope Farm, Pawtucket, R. I., 1, 5 cocks; 6 hen; 6 cockerel; 4 pullet. J. W. Shaw, Brockton, 1, 5 hens; 4 cock; 1, 3 cockerel; 2 pullet. J. P. Keating, Westboro, 2, 6 hens; 5 pullet; 4 pen. Dr. N. V. Hutchinson, North Abington, 2, 5 pens. C. W. Bixby, Brockton, 6 cockerel. George Fletcher, Belmont, 6 pen. Frank Hill, Allston, 3 pen.

Chicago Poultry Supply House

(INCORPORATED)

WESTERN REPRESENTATIVE

MODEL INCUBATORS and BROODERS

Manufactured by Chas. A. Cyphers

Everything for the poultryman.

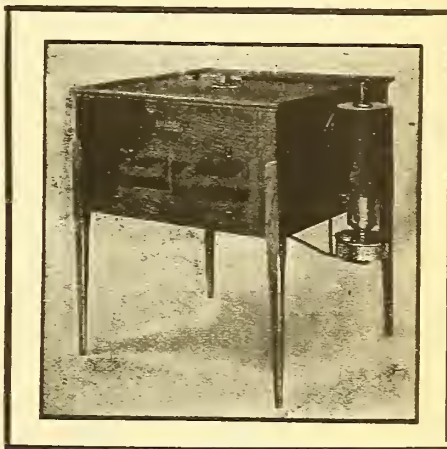
We are the sole manufacturers of the

"BINK'S"

Star Whitewash and Spraying Machines

Best adapted for use around poultry farms, etc. Thousands of our machines now in use. Twelve different styles and sizes. Write for catalogue No. 2.

The STAR BRASS WORKS
154 E. Lake St., Chicago, Ill.



Send for price list. All orders shipped same day they are received.

Phillip's Chick Feed
\$2.25 per 100 lbs.

CHICAGO POULTRY SUPPLY HOUSE

632 Lakeside Bldg., Chicago

Exmoor Brown Leghorns



—WITTMAN LINE—

are the undisputed champions. We bred the 1st prize pullet at Madison Square Garden, 1905, the seventh year this line has won 1st pullet at this show. In writing for prices of stock state fully just what you want. Egg orders booked now at \$5 per sitting. Address all letters to

EXMOOR FARMS
C. A. Dutton, Supt.

EDGAR A. WEIMER,
354 Harmon Ct., Lebanon, Pa.

DAVIS' GOLDEN WYANDOTTES Win

In what is acknowledged to be the strongest class of Golden Wyandottes ever assembled in a show room, January 23-28, 1905, eight of the Best Golden Wyandotte breeders of the country, from east, west and center, exhibited at Chicago. Our winnings in such company, T. E. Orr as judge, were 1st hen, 1st pullet, 1st pen, 2nd ck. 3rd pullet, 4th ck. and two of the three cups given by the National Golden Wyandotte Club. Our matings this year are as fine as ever and we will spare a few eggs at \$3.00 per 13, \$5.00 per 26, same pens we use ourselves. Choice stock for sale at reasonable prices. Box 20.

A. W. DAVIS, Big Rock, Ill.

Waterfowl ALLYN'S ..Indians..

Win the **SILVER CUP** at Delavan and fifty-six regular and forty-six special prizes. Have also won at Milwaukee, Edgerton and Lake Geneva

Two Hundred Prizes in All

Cornish Indian pen headed by "Triumph," score 94½ by Russell. White Indian pen headed by the 3d cockerel at St. Louis.

Indian Runner, Cayuga, Muscovie, Blue Swedish, Rouen, and Wild Mallard Ducks, White Chinese Geese and White Holland Turkeys. Prices reasonable and satisfaction guaranteed.

ALLYN POULTRY FARM,

Delavan, Wisconsin

Ponderous Pekins of Peerless Perfection

Selected breeders of unapproachable quality at fair prices. Special prices by the 100, 1300 EGGS GATHERED DAILY from water ranged birds, insuring fertility and promptness. HOMERS FOR SQUAB RAISING, the true type. WHITE PLYMOUTH ROCKS and WHITE WYANDOTTES, excellent quality. Incubator eggs, Barred Rocks, \$6; per 100. White Wyandottes, and White Rocks. WHITE LIMESTONE GRIT, manufactured and used by ourselves. 100 lbs., 40 cents. 240 acres, established 20 years. Headquarters for Pekins in the west.

GOLDEN WEST RANCH

JOLIET, ILLINOIS

GEDNEY FARM

—POULTRY YARDS—

**High-Class S. C. Black Minorcas,
White Wyandottes and**

S. C. BUFF ORPINGTONS

Fifty Buff Orpington cockerels for sale, bred from the best stock in America, and of correct type and color. We shall have 20 grand breeding pens for this season, composed of the best of last season's breeders and their progeny. Satisfaction guaranteed every customer. Eggs \$3.00 per thirteen, \$5.00 per twenty-six.

FRANK W. GAYLOR, Mgr.

Box F, White Plains, N. Y.

NOVICE LIGHT BRAHMAS.—Jos. J. Dutra, Waverly, 1 cockerel.

DARK BRAHMAS.—Arthur H. Leach, Middleboro, 2, 3, 4 cocks; 1, 2, 3, 6 hens; 2, 3 cockerels; 1, 2, 3, 4 pullets. Rogers & Packard, Brockton, 1 cock; 3, 4, 6, 6 hens. L. Le Forest Smith, Taunton, 1 cockerel.

NOVICE DARK BRAHMAS.—Long Meadow Farm, Taunton, 1, 2 hens.

BUFF COCHINS.—Oakland Farm, Taunton, 1, 2, 3, 4 cocks; 1, 2, 3, 4 hens; 1, 2, 4 cockerels; 1, 2, 3, 4, 5, 6 pullets; 1 pen. C. Courtney McLean, 5 cock; 5 cockerel. Philander Williams, Taunton, 6, 6 cockerels.

NOVICE BUFF COCHINS.—McLean, 1 cock; 1 hen; 1 cockerel; 1 pullet.

PARTRIDGE COCHINS.—Walter C. Baylies, Taunton, 1, 2, 5, 6 cocks; 1, 2, 3, 4 hens; 1, 2, 3, 4 cockerels; 1, 2, 3, 4 pullets. Benjamin W. Crownshield, 3, 4, 6 cocks. W. H. Harrison, Toledo, Iowa, 1 pen.

NOVICE PARTRIDGE COCHINS.—Frank E. Siloway, Newburyport, 1, 2, 3 hens. S. W. Cary, Jr., Orange, N. J., 1 cockerel; 1 pullet.

WHITE COCHINS.—C. F. Nettleton, Shelton, Conn., 2 cock; 2, 3, 4, 5 hens; 2, 3, 4 cockerels; 2, 3, 4 pullets. Edward Wyatt, London, Can., 1 cock; 1 hen; 1 cockerel; 1 pullet.

BLACK LANGSHANS.—E. T. Gibson, Nashua, N. H., 1, 2 cocks; 1, 2 hens; 1, 2 cockerels; 1, 2, 3 pullets. Rodman Schaff, Jamaica Plain, 2 hen; 5 cockerel. Paul P. Ives, Guilford, Conn., 3, 4 cockerels; 4 pullet.

WHITE LANGSHANS.—A. A. Halladay, Bellows Falls, Vt., 1 cock; 1, 2, 3 hens; 1, 2, 3 cockerels; 1, 2, 3 pullets.

BARRED PLYMOUTH ROCKS.—Haldie Nicholson, Leominster, 1, 2 cocks; 6 pen. R. W. Wales, Iowa City, Ia., 4 cock; 1, 4 hens; 3, 4, 6 cockerels; 1, 2 pullets. 2 pen. Walter H. Day, Fairbaven, 2 hen. Whitcomb Farm, Riverside, R. I., 3 hen; 2 cockerel; 4 pullet. Nolan Bros., Milford, 1 cockerel. Millville P. Farm Co., Millville, N. J., 4 cock; C hen; 5 cockerel, 3, 5, 6 pullets; 1, 4 pens. E. D. Pulsifer & Son, Natick, 3 cock. J. C. Macomber, 4 hen. Daniel B. Eddy, Somerset, 6 cockerel. D. C. Raymond, South Framingham, 3 pen. Chapman & McQuillan, Hartford, Conn., 5 pen.

NOVICE BARRED PLYMOUTH ROCKS.—Edmond B. Conant, 1, 2 cocks; 1, 2 hens; 1, 2 cockerels; 1, 2 pullets. F. W. MacFarland, Worcester, 6 cockerel.

WHITE PLYMOUTH ROCKS.—Jordan Farm, Hingham, 1, 5 cocks; 2, 4, 6 hens; 1, 3 cockerels; 1, 6 pullets; 1, 6 pens. Elm P. Yards, Hartford, Conn., 2, 3 cocks; 3 hen; 5, 6 cockerels; 3 pen. E. H. & S. H. George, Groveland, 4, 6 cocks; 1 hen. John A. Frye, Marlboro, 2, 4 cockerels; 2, 4, 5 pullets; 4 pen. Luciano A. Cucci, East Saugus, 6 hen; 2 pen. C. E. Hodgkins, Northampton, 5 hen; 3 pullet. Chas. W. Pratt, North Abington, 5 pen.

NOVICE WHITE PLYMOUTH ROCKS.—W. R. Bostock, Saugus, 1 cock; 2 hen; 2 cockerel; 2 pullet. Jordan Farm, 1 hen; 1 cockerel; 1 pullet.

BUFF PLYMOUTH ROCKS.—W. B. Wood, West Boylston, 1 cock; 5 cockerel. C. A. Mack, East Greenville, Pa., 6 cock. J. D. Wilson, Worcester, N. Y., 2 cock. S. E. Tiffany, Philippi, W. Va., 2 hen. J. A. Ashline, West Fitchburg, 4 cock; 1 hen; 6 pullet. Melvin Fall, Jr., Berwick, Me., 1 cockerel; 4 pullet. A. C. Hawkins, Lancaster, 3 cock; 2 cockerel. P. W. Noyes, Quaker Hill, Conn., 2 pullet. Piser & Riddell, Shushan, N. Y., 3 cockerel; 1 pullet. J. P. Keating, 3, 6 hens; 2 pen. H. W. Higgins, Orange, 1 pen; 5, 6 cocks; 4, 5 hens; 4 cockerel; 5, 6 pullets. Peter Taylor, Fitchburg, 3 pullet. D. B. Todd, Lawrence, 3 pen.

NOVICE BUFF PLYMOUTH ROCKS.—Arthur H. Sagendorph, Spencer, 1, 2 cockerel.

PARTRIDGE PLYMOUTH ROCKS.—Rowland G. Buffinton, Fall River, 1, 2 cockerels; 1, 2 pullets. W. A. Carpenter, Foxboro, 1 pen.

SILVER LACED WYANDOTTES.—John C. Jodrey, Danvers, 1, 3 cocks; 5, 6 hens; 1 cockerel; 1, 6 pullets; 1 pen. Wood & Freeman, Fitchburg, 2 cock; 1, 2, 3 hens; 2, 3, 4, 5 pullets; 3, 4 cockerels. R. G. Williams, Barre, 4 cock; 2 cockerel. H. F. Chase, Andover, 5 cock; 6 cockerel; 2 pen. C. C. Barrett, St. Albans, Vt., 5 cockerel.

NOVICE SILVER LACED WYANDOTTES.—E. J. Robinson, Raynham, 1, 2 hens; 1, 2 pullets. Frank Sawyer, Woburn, 4 cock; 4, 5 pullets. A. C. Allen, Auburn, R. I., 3 cock; 3 pullet.

GOLDEN WYANDOTTES.—Loren H. Brown, Lunenburg, 2 cock; 2 hen; 1 pullet. Harriet Ratcliffe, Howard, R. I., 1 cock. Wood & Freeman, 1 hen; 1, 2 cockerels; 2, 5 pullets. Wm. L. Allen, Chest-

nut Hill, 6 pullet; 1 pen. Chase, 5, 6 cocks; 5, 6 hens; 3, 4 cockerels; 3, 4 pullets.

WHITE WYANDOTTES.—Castle Farm, Charles River, 1, 3 cocks; 1, 2, 3, 6 hens; 1, 3, 6 cockerels; 2, 5, 6 pullets; 2 pen. J. W. Andrews, Dighton, 6 cock; 6 hen; 6 cockerel. Millville P. Farm Co., 6 cock; 6 hen; 6 cockerel; 3, 6 pullets; 5 pen. Chas. A. Wheeler, Brighton, 2 cock; 6 hen. Elm Poultry Yards, 5, 6 cocks; 3 hen; 2, 6 cockerels; 1, 4, 6 pullets. H. W. Gunston, Groveland, 6 cock. Terry & Ladd, Brockton, 4 cock. C. J. Titus, Malden, 6 hen. Cloverdale P. Farm Co., Keene, N. H., 6 hen; 6 pullet. Elm Vale P. Yards, Dover, 4, 6 hens; 6 cockerel; 6 pullet; 4 pen. J. & W. D. Entwistle, North Westport, 6 hen; 6 cockerel; 6 pullet. C. W. Richardson & Son, Apponaug, R. I., 6 hen; 3 pen. Mack, Witters & Britton, Woodstock, Vt., 4 cockerel. John F. Hollis, North Abington, 5 cockerel; 6 pen. Geo. H. Woolnough, Arlington Heights, 6 cockerel. James W. Howard, Gorham, Me., 6 pen. Hawkins, 1 pen.

NOVICE WHITE WYANDOTTES.—Brown, 1 cock; 4 hen. C. L. Curtin, St. Albans, Vt., 2 cock. George S. West, Chestnut Hill, 3 hen. Harry W. Kingman, Manchester, 1 hen. Entwistle, 2 hen; 2 cockerel. W. B. Atherton, Randolph, 1 cockerel; 1 pullet.

BUFF WYANDOTTES.—Mattison & Dutcher, Hopedale, 2, 3, 4, 5 cocks; 1, 2, 6 hens; 2, 6 cockerels; 1, 6 pullets; 1 pen. Rufus Cooledge, Hudson, 6 cock; 4 cockerel; 5 pullet; 3 pen. Hawkins, 1 cock. Piser & Riddell, 6 cock; 3, 5 hens; 1, 5 cockerels; 3, 4 pullets; 2, 6 pens. J. E. Burt, Athol, 4 hen; 2 pullet; 4 pen. Geo. M. Bell, Voorheesville, N. Y., 3 cockerel. Dr. N. W. Sanborn, Bellingham, 5 pen.

NOVICE BUFF WYANDOTTES.—Brown, 1 cock; 3 pullet. Monroe, 2 cock; 1 hen; 1 cockerel; 2 pullet. Frank Hoyt, 2 cockerel; 1 pullet.

PARTRIDGE WYANDOTTES.—Geo. F. Eastman, Granby, 5 cock; 4 cockerel. Arthur Leach, Middleboro, 4 cock. H. J. Manley, Maplewood, 2 cock; 1, 2, 3, 4 hens; 2 cockerel; 1, 2, 4, 5 pullets. Frank Hodges, Red Bank, N. J., 6 cock. J. Evelyn, South Lincoln, 1 cock. J. Macomber, Winthrop, 5 hen; 3 cockerel; 3 pullet; 1 pen. W. Jackman, Gloucester, 6 hen; 1 cockerel. J. H. Woodhead, Leicester, 5, 6 cockerels. M. H. Coffin, Whitinsville, 2 pen.

SILVER PENCILED WYANDOTTES.—Eastman, 5 cock; 2 hen. Richardson, 2 cock; 3 pullet. Rogers & Packard, 3 cock; 1 hen; 4 cockerel; 5, 6 pullets. Highland P. Yards, West Roxbury, 4, 6 cocks. Daniels, 1 cock; 3 hen. Elmer Benson, East Whitman, 2, 3 cockerels; 4 pullet. Hubbard & Atwood, Needham, 6 cockerel; 2 pullet. Robinson, 1, 5 cockerels; 1 pullet.

COLUMBIAN WYANDOTTES.—Milan A. Brayton, Fall River, 3, 4 cocks; 3 hen; 2, 5 cockerels; 3 pullet. Richardson, 1, 2 cocks; 1, 4 hens; 4, 6 cockerels; 2, 6 pullets; 1 pen. John Evans & Son, Meshanticut Park, R. I., 1, 3 cockerels; 1, 4 pullets. Charles Dineen, Millis, 5 pullet.

BLACK JAVAS.—All to Oke & McNeil, London, Can.

S. C. RHODE ISLAND REDS.—Lester Tompkins, Concord, 2, 4 cocks; 2 cockerel; 1 pullet. Richardson, 3 cock. R. W. Paquin, East Providence, R. I., 5 cock. Drisko Farm, Addison, Me., 6 cock. Frank D. Read, Fall River, 1 cock; 5 pullet; 3 pen. House Rock P. Farm, Wollaston, 2 hen; 1 cockerel; 4 pen. Philip Caswell, Newport, R. I., 3 hen; 2 pullet. E. O. Cornforth, Slaterville, R. I., 4 hen; 6 cockerel. Ira M. Conant, 6 hen; 5 cockerel; 5 pen. Thomas Hollis, Concord, 1 hen. I. W. Bean, South Braintree, 4 cockerel. P. R. Park, Reading, 3 cockerel; 4 pullet. Wm. Milo, Montpelier, Vt., 6 pullet. Stafford Bros., Fall River, 3 pullet; 1 pen. W. A. Blodgett, South Lincoln, 2 pen.

R. C. RHODE ISLAND REDS.—Tompkins, 1 cock; 3 cockerel; 6 pullet; 2 pen. D. P. Shove, Fall River, 5 cock. Gunston, 6 cock; 4 cockerel. B. D. Todd, Lawrence, 4 cockerel; 4 hen; 3 pullet; 3 pen. Robert C. Tuttle, Hartford, Conn., 2, 3 cocks; 1, 5 hens; 1, 2 cockerels; 1, 2 pullets. Louis Anderson, Bloomsbury, N. J., 3 hen; 5 pullet. Stafford Bros., 2 hen; 6 cockerel; 1 pen. Park, 6 hen; 4 pullet; 5 pen. Sidney L. Barr, 5 cockerel. John A. Frye, Marlboro, 4 pen.

SILVER GRAY DORKINGS.—Geo. B. Inches, North Grafton, 4 cock; 1, 2, 6 hens; 1, 3 cockerels; 2, 3, 4 pullets. Henry Hales, Ridgewood, N. J., 3, 6 cockerels; 5 hen; 6 cockerel; 1, 5 pullets. Watson Westfall, Sayre, Pa., 2, 5 cocks; 3, 4 hens; 2, 5 cockerels; 6 pullet. John S. Cope, Germantown, Pa., 4 cockerel.

COLORADO DORKINGS.—Inches, 2, 3 cocks; 1, 2, 4, 5 hens; 1 cockerel; 2, 4, 5 pullets. Miss L. Goodell, Canastota, N. Y.,

Standard

POULTRY FOOD

The greatest of all condimental foods for poultry of all ages, inducing health, vigor, eggs and profit. A stimulating tonic, vitalizing and nutritious. A larger package for the price than any other. Two sizes 25c and 50c.

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WHITE WYANDOTTES THAT LAY WIN
 Also White Plymouth Rocks. Eggs \$1.50 per sitting, \$5.00 per 100
WHITE LILY POULTRY YARDS Vanceburg, Lewis Co., Ky.

EGGS, EGGS, from Prize Winners

5 Pens S. C. Black Minorcas \$2.00 for 15, \$5.00 for 45
 2 Pens S. C. White Minorcas \$1.50 for 15, \$4.00 for 45
 2 Pens Barred Plymouth Rocks Bradley Bros. \$2.50 for 15, \$6.50 for 45
 4 Pens S. C. Brown Leghorns, Wittman \$1.50 for 15, \$4.00 for 45

Eggs guaranteed to hatch regardless of distance. Send for **Egg Circular**. Remember stock is on separate farms. **For sale, 240 Eggs sure hatch incubator** a bargain in fine shape.

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Buff Cochins

Three Grand Cockerels and One Cock for Sale

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Partridge Wyandottes

The Kind That Win

At the Great Chicago Show 1904, 1st ck, 3 pullet. 1905, 4th cock, 3 pullet. Eggs for hatching. Write for prices

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Eggs from 20 grand pens guaranteed to hatch regardless of distance. 28-page catalogue free. 68-page book, "Minorcas, All varieties," history, mating, fitting for show, etc. Fully illustrated, 25 cents postpaid. My S. C. Minorcas have never lost a special for large size, and have won more than 3,000 prizes for my customers in strong competition. My R. C. Black Minorcas have won more 1st and 2d prizes than all competitors combined at Chicago, Boston, Philadelphia and New York.

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Ready now, Stay White Wyandottes, S. C. W. Leghorns. Also mammoth Pekin Ducks. Eggs after April 1st. We can supply you with males or females, large or small lots at low prices. Our stock is bred for business but we won at such shows as St. Louis, Madison Square Garden, Chicago, etc. Remember we are headquarters for Cut Clover and Poultry Supplies. Cut clover 1.25 per 100 lbs. Circular free. 2500 breeders.

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...White Wyandottes.—S. C. White Leghorns...
Won at St. Louis Exposition, Oct. 1904. 2nd Cockerel at the great Chicago Show, Jan. 23d to 28th, 1905.
2nd and 4th Cockerels, 2nd Pullet. 2nd Pen.

The above winning on White Wyandottes is a record for any one to be proud of and it proves conclusively that we are breeding along lines that will prove beneficial to our customers as well as ourselves in producing Exhibition Birds, but in producing this stock we have not overlooked their Utility part. Do not wait to place your order for Eggs do it at once. We are booking orders now. Satisfaction guaranteed.

PRICES OF EGGS.
 White Wyandottes, \$2.50 per 13, \$5.00 per 30. | S. C. White Leghorns, \$3.50 per 50, \$6.00 per 100.
 We still have a few good breeding **BARRED ROCK HENS** for Sale Cheap.
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 S. E. LANE, Supt.



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Salzer's Home Builder Corn.

So named because 50 acres produced so heavily, that its proceeds built a lovely home. See Salzer's catalog. Yielded in Ind. 157 bu., Ohio 160 bu., Tenn. 198 bu., and in Mich. 220 bu. per acre. You can beat this record in 1905.



WHAT DO YOU THINK OF THESE YIELDS?

120 bu. Beardless Barley per acre.
310 bu. Salzer's New National Oats per A.
80 bu. Salzer Speltz and Macaroni Wheat.
1,000 bu. Pedigree Potatoes per acre.
14 tons of rich Billion Dollar Grass Hay.
60,000 lbs. Victoria Rape for sheep—per A.
160,000 lbs. Teosinte, the fodder wonder.
54,000 lbs. Salzer's Superior Fodder Corn—rich, juicy fodder, per A.

Now such yields you can have in 1905, if you will plant my seeds.

JUST SEND THIS NOTICE AND 10c in stamps to John A. Salzer Seed Co., La Crosse, Wis., and receive their great catalog and lots of farm seed samples. [F.P.]

1 cock; 3 hen; 2, 4 cockerels; 1 pullet. Hales, 3 cockerels; 3 pullet. J. H. Warrington, Cornwall, Can., 5 cock; 6 pullet.

BUFF ORPINGTONS.—Alexander Brown, Andover, 6 cock; 6 hen. Highland P. Yards, 4 cock. Edward J. Goodhue, Quincy, 5 cock; 3 hen; 1 pullet. Miss Helen Sharp, Taunton, 1, 2, 3 cocks; 1, 2, 4 hens; 1, 2, 4 cockerels; 2, 4, 5 pullets; 2 pen. C. C. Loring, Dedham, 5 cockerel; 6 pullet. Banner P. Yards, Germantown, Pa., 2, 3 cockerels; 3 pullet; 1 pen.

WHITE ORPINGTONS.—J. Henry Symonds, Metuchen, N. J., 2 cock; 2 hen; 3 cockerel; 3 pullet. Jordan Farm, 1 cock; 1 hen; 1, 2 cockerels; 1, 2 pullets.

DIAMOND JUBILEE ORPINGTONS.—All to John T. Morse, Jr.

S. C. BROWN LEGHORNS.—Albert O. Preston, Concord, N. H., 2 cock. Tenney & Harrington, West Newton, 1, 3 cocks; 1, 2, 3, 4 hens; 1, 2 cockerels; 3, 6 pullets; 1 pen. C. S. Cook, Jr., West Newton, 2, 4, 5 pullets.

NOVICE S. C. BROWN LEGHORNS.—Francis Baker, Watertown, 1 cock. William Shean, West Peabody, 1, 2 hens; 2, 4 pullets. E. E. Boyce, Archdale, N. Y., 1, 2 cockerels; 1, 3 pullets.

R. C. BROWN LEGHORNS.—Mrs. Geo. B. Inches, North Grafton, 1 cock; 1, 2 hens; 1, 2, 3, 4 cockerels; 2, 3 pullets. Ernest Spencer, Meriden, Conn., 2 cock; 1 pullet.

S. C. WHITE LEGHORNS.—Entwistle, 5 cock. Charles Fogg, Waltham, 4 cock; 5 pullet. Elm P. Yards, 3 cock; 4 hen; 4, 6 cockerels; 3, 4 pullets; 2 pen. D. W. Young, Highland, 1, 2 cocks; 1, 2 hens; 1, 2 cockerels; 1, 2 pullets; 1 pen.

R. C. WHITE LEGHORNS.—C. F. Ensign, Greenfield, 1 cock; 2 pullet. Oakhurst P. Yards, Worcester, 2, 5 cocks; 1 hen; 2 cockerel. Snow Flake Farm, Blodgett Mills, N. Y., 6 cock. Alex. Brown, 5 cockerel; 3 pullet.

S. C. BUFF LEGHORNS.—Woolnough, 1, 2 cocks; 2, 3, 4 hens; 1, 3 cockerels; 1, 2, 5 pullets. Buffinton, 1 hen; 4 pullet. Raymond Jacobus, Mt. Clair, N. J., 2 cockerel; 3 pullet.

BLACK LEGHORNS.—Wm. Davis, Dover, N. H., 1 pen.

A. O. V. LEGHORNS.—All to Davis.

BLACK MINORCAS.—Luther Benedict, Everett, 6 cock; 4 hen. George Dexter, Everett, 1, 6 hens; 6 cockerel; 2, 5 pullets; 3 pen. H. C. Wheeler, Lyndonville, Vt., 5 hen. Joseph Hildorfer, Allegheny City, Pa., 2, 3 hens; 1, 3, 4 cockerels; 1, 3 pullets; 2 pen. Dr. Wm. Holmes, Randolph, 6 hen; 6 cockerel; 6 pullet; 1 pen. Henry Finley, Arlington, 2, 5, 6 cockerels; 4, 6 pullets. G. Fred Leavitt, Everett, 4 pen. Elm P. Yards, 5 pen. E. Tallman, Nyack, 6 pen.

WHITE MINORCAS.—All to Harvey Teetz, Gloversville, N. Y.

R. C. BLACK MINORCAS.—Geo. Inches, 1, 2, 3 cocks; 1, 6 hens. George Northrup, Raceville, N. Y., 1, 2 cocks; 2, 3, 4, 5 hens; 1, 2, 4, 5 cockerels; 1, 2, 3, 4 pullets; 2 pen. Asline & Ward, West Newton, 3 cockerel. M. V. Allen & Son, Rochester, N. Y., 1 pen.

BLUE ANDALUSIANS.—John Gunning, Sherbrooke, Can., 1 cock; 3, 6 hens; 6 cockerel. Thomas Best, Wilkesburg, Pa., 2 cock; 2 hen. John T. Morse, 4, 5 hens; 1 cockerel; 3 pullet. Feathery Flats P. Farm, Chestnut Hill, Pa., 1 hen; 4 pullet. R. W. Lovett, Lincoln, 3, 5 cockerels; 2, 6 pullets. Banner P. Yards, 2 cockerel; 1, 5 pullets; 1 pen.

BLACK SPANISH.—George N. Foss, Beverly, 2 cock; 5 hen. G. B. Spring, Newton Lower Falls, 1 cock; 3 hen; 1, 2, 3 cockerels; 1, 3, 4 pullets. J. H. Warrington, Cornwall, Can., 3 cockerel; 1, 2, 4, 6 hens; 4 cockerel; 2, 5 pullets. Mrs. Susan Job, South Walpole, 5, 6 cockerels; 6 pullet.

WHITE CRESTED BLACK POLISH, GOLDEN POLISH, WHITE POLISH, GOLDEN BEARDED POLISH, SILVER BEARDED POLISH, WHITE BEARDED POLISH, RUFF LACED POLISH.—All to Oke & McNeil.

GOLDEN SPANGLED HAMBURGS.—John Lowell, Chestnut Hill, 1, 2 cocks; 1, 2, 3, 4, 5 hens; 1, 2 cockerels; 1, 2, 3, 4, 5 pullets. Oke & McNeil, 2 cock; 6 hen.

SILVER SPANGLED HAMBURGS.—Rudolph Lowell, Chestnut Hill, 4, 5 cocks; 3, 4 hens; 5 cockerel; 4, 5, 6 pullets. Robert Treat Paine, Jr., 1, 2, 5 hens; 1, 2, 3 cockerels; 1, 2, 5 pullets; 1 pen. Oke & McNeil, 3 cock; 6 hen; 4 cockerel.

GOLDEN PENCILED HAMBURGS, SILVER PENCILED HAMBURGS.—All to Oke & McNeil.

WHITE HAMBURGS.—All to James Lowell.

BLACK HAMBURGS.—Oke & McNeil, 1 cock; 4, 5 hens; 1, 5 pullets. Endicott Saltonstall, Chestnut Hill, 2 cock; 1, 2, 3, 6 hens; 2, 3, 4, 6 pullets.

RED CAPS.—All to J. Warrington.

HOUDANS.—Rev. C. E. Peterson, Franklin, Me., 1, 2 cocks; 1, 2, 4 hens; 1, 2, 3, 5 cockerels; 1, 2, 3, 5 pullets. Frank McKenzie, Concord, Mich., 5 cock. E. J. Beersford, Schenectady, N. Y., 4 cock; 3, 5, 6 hens; 4, 5 cockerels; 4, 6 pullets. Park View P. Yards, West Springfield, 3 cock.

CREVE COEUR, LA FLECHE.—All to Oke & McNeil.

FAVEROLLES.—J. Henry Symonds, 1 cock; 1, 2 hens; 2, 3, 4, 5 cockerels; 4, 5, 6 pullets. Horace Porter, Bennington, N. H., 1, 2, 3 pullets.

SILVER DUCKWING GAMES.—All to R. G. Harwood, Littleton.

INDIAN GAMES.—Henry Kirby, Providence, R. I., 2, 3, 4 cocks; 1, 2, 4 hens; 1, 3, 5 cockerels; 1, 2, 3 pullets. Percy Ward, Fruitvale, Cal., 1 cock. Willis Bell, Beverly, 3 hen. Philias Fortian, Middleboro, 2, 4 cockerels; 5 pullet. W. H. Norton, Wood Bank, Can., 6 cockerel; 4 pullet. Sagendorph, 1 pen.

NOVICE INDIAN GAMES.—All to Sagendorph.

SUMATRAS.—All to F. D. E. Stowe, Brattleboro, Vt.

RUSSIANS.—All to Homewood Farm, South Weymouth.

SILKIES.—All to John Lowell, Jr.

RUMPLESS.—All to Benedict & Frost, Fitchburg.

BLACK OR BROWN RED PIT GAMES.—H. H. Bumford, Waltham, 1 cock; 1 hen; 1 cockerel. George West, Chestnut Hill, 2 hen; 1 pullet. Norton Bros., Essex, 2 cockerel.

SILVER OR GOLDEN DUCKWING GAMES.—All to Bumford.

A. O. C. PIT GAMES.—West, 1 cock; 3 cockerel; 1 pullet. Bumford, 2, 3 hens; 1, 2, 4, 5 cockerels; 2, 3 pullets. Norton Bros., 1 hen; 6 cockerel.

SULTANS.—All to Oke & McNeil.

LAKENVELDERS.—Wm. Neil, Sandy Hill, N. Y., 1 cockerel; 5 pullet. Horace Porter, 2, 3 pullets.

GERMAN ANTLERS.—Loring, 6 pullet.

CAPONS.—Jordan Farm, 4 cock. Curtiss P. Farm, West Norwell, 1, 2, 3 cock.

B. B. RED GAME BANTAMS.—W. A. Barnes, Worcester, 3 cock; 1, 3 hens; 4 cockerel; 2, 3 pullets. Hermitage Bantam Yards, Nashua, N. H., 1 cock; 5 hen; 1 cockerel; 4 pullet. Rogers, 4 cock; 3 cockerel. E. D. Jordan, Plymouth, 2 cock; 4 hen. E. W. Cook, Slatersville, R. I., 2 hen; 2 cockerel; 1 pullet.

BROWN RED GAME BANTAMS.—Stowe, 1 pullet.

GOLDEN DUCKWING GAME BANTAMS.—Cook, 2 cock. Hermitage Bantam Yards, 1 cock; 1 hen; 1 cockerel; 2 pullet. Stowe, 3 cock; 2 cockerel; 1 pullet.

SILVER DUCKWING GAME BANTAMS.—H. E. Curtis, Rutland, Vt., 3 cockerel; 1 pullet. Hermitage Bantam Yards, 2 cockerel; 2 pullet. Stowe, 1 cockerel; 3 pullet.

RED PYLE GAME BANTAMS.—Hodges, 1 cock; 2 cockerel. Stowe, 2 cock; 2 pullet. H. Curtis, 1 hen; 3 cockerel; 1 pullet.

BIRCHEN GAME BANTAMS.—Hermitage Bantam Yards, 1 cock; 1 hen; 1 cockerel; 1 pullet. J. S. McCarthy, Roxbury, 2 cock.

A. O. V. GAME BANTAMS.—Hodges, 1 pullet.

GOLDEN SEBRIGHT BANTAMS.—L. E. Palmer, Beverly, 1 cock; 1 hen; 1 cockerel; 1 pullet. H. Curtis, 2 cock. C. G. Guild, Hopedale, 3 cock; 4, 5, 6 hen; 2, 3 cockerel; 3, 4, 5, 6 pullet. Oke & McNeil, 4 cock; 3 hen; 4 cockerel; 2 pullet.

SILVER SEBRIGHT BANTAMS.—H. Curtis, 1 cock. Hodges, 3 cock; 1 hen. Oke & McNeil, 2, 4 cocks; 3, 4 hens; 1, 2 cockerels; 1, 2 pullets. Congdon's Bantam Yards, Oaklawn, R. I., 2 hen.

R. C. BLACK BANTAMS.—John Lowell, Jr., 2, 3 cocks; 1, 5 hens; 3 cockerel; 3, 4 pullets. Oke & McNeil, 1, 4 cocks; 2, 3 hens; 1, 2 cockerel; 1, 2 pullets. Alfred Cutting, Weston, 4 hen.

BOOTED BANTAMS.—Oke & McNeil, 1 cock; 2 hen; 1 cockerel; 1 pullet. Congdon's Bantam Yards, 1 hen.

BUFF COCHIN BANTAMS.—Wheeler, 3 cock; 5 hen; 4 cockerel. Marie Hildorfer, Allegheny City, Pa., 1, 6 cocks; 3, 6 hens; 2, 5 cockerels; 5, 6 pullets. Dr. Wm. Fox, Taunton, 2 hen; 1 cockerel; 2 pullet.

A. N. B. Schilling, Rochester, N. Y., 4 cock; 1 hen; 3 cockerel; 3, 6 pullets. Oke & McNeil, 5 cock; 4 hen; 6 cockerel; 5 pullet. Alfred Cutting, 6 hen; 4 pullet. Wm. Tirrell, North Abington, 1 pullet.

WHITE COCHIN BANTAMS.—Philip Jackson, Plymouth, 4 cock. Shoeffel & Anderson, Malden, 2 cock; 2, 4 hens. Fox, 1 cock; 1 hen; 1 cockerel. Oke & McNeil, 3 cock; 3 hen; 3 cockerel; 2 pullet. Geo. Helm, Providence, R. I., 2 cockerel; 3 pullet.

BLACK COCHIN BANTAMS.—Fox, 1 cock; 1 hen; 1 cockerel; 1 pullet. Tirrell, 2 cockerel; 2 pullet. Howard Wheeler, Brighton, 1 pen.

PARTRIDGE COCHIN BANTAMS.—D.

Bell, Toronto, Can., 1 cock; 1 hen; 1 pul-
let. Congdon's Bantam Yards, 2 pullet.
NOVICE COCHIN BANTAMS.—L. D.
Mudgett, Leominster, 1 hen. E. W. Sta-
ples, Taunton, 1, 2 cockerels; 1, 2 pullets.
LIGHT BRAHMA BANTAMS.—Walter S.
Orr, Orr's Mills, N. Y., 1 cock; 1 hen; 1
cockerel; 1 pullet. Horace Porter, 1 pen.
DARK BRAHMA BANTAMS.—All to
Porter.
JAP. BANTAMS—BLACK TAILED JAP.
BANTAMS.—All to Oke & McNeil.
A. O. V. JAP. BANTAMS.—Hales, 1 cock;
1 hen; 1 cockerel; 1 pullet. Oke & Mc-
Neil, 2 cock; 2 hen.
POLISH BANTAMS.—Oke & McNeil, 1
cock; 1 hen; 1 cockerel; 2 pullet. Park
View P. Yards, 2 cock; 2 hen; 1 pullet.
BRONZE TURKEYS.—W. A. Blodgett, 1
cock; 1 hen. Mrs. Job, 2 cock.
WHITE TURKEYS.—Blodgett, 1 hen.
PEKIN DUCKS.—J. G. Peters, North
Truro, 1, 2 cocks; 2 hen; 3 cockerel.
Hodges, 1 hen.
ROUEN DUCKS.—John Brett, Fishers
Island, N. Y., 1 cock; 2 hen; 1 cockerel;
2 pullet. R. D. Britton, Tota, N. Y., 2
cock; 1 hen; 1 pullet.
COLORED MUSCOVY DUCKS.—Mrs.
Job, 1 cock.
AYLESBURY DUCKS.—All to Wallace.
INDIAN RUNNER DUCKS.—All to Cut-
ting & Estes South Braintree.
DECOY DUCKS.—All to R. Woodman.
Malden.
SWEDISH DUCKS.—All to Woodman.
A. O. V. DUCKS.—Cutting & Estes, 1
cock; 1 hen. Rockbottom Farm, South Sud-
bury, 2 cock; 2 hen.
TOULOUSE GEESE.—Henry Kirby, 1, 3
cock; 1, 2 hens. Harry Waldron, East
Greenwich, R. I., 2 cock; 3 hen.
EMBDEN GEESE.—All to Curtiss P.
Farm.
BROWN CHINESE GEESE.—F. L. & W.
P. Allen, Worcester, 2 cock; 2 hen. Sag-
endorph, 1 cock; 1 hen.
WHITE CHINESE GEESE.—Sagendorph,
4 cock; 3 hen. Homewood Farm, 1 cock;
1 hen. Cucci, 2, 3 cocks; 2, 4 hens.
AFRICAN GEESE.—All to Grant Bros.,
Malden.

Revised List of Awards of the Chicago, 1905 Show.

BARRED PLYMOUTH ROCKS.—F. H.
Stanwood, 4th, 5th Pullet. Daniel Chris-
tian & Son, 4th Cock, 5th Cockerel, 4th
Pen. E. F. Pierce, 4th Cockerel. B. F.
Weymer, 3rd Cock, 1st Hen, 2nd Cockerel,
3rd Pullet, 3rd Pen. Edgar G. Simpson,
3rd Hen, 5th Pen. O. P. Bennett, 2nd
Cock, 2nd Hen, 3rd Cockerel, 1st Pullet,
2nd Pen. R. E. Haeger & Co., 1st, 5th
Cock, 4th, 5th Hen, 1st Cockerel, 2nd Pul-
let, 1st Pen.

WHITE PLYMOUTH ROCKS.—E. A.
Holsworth, 3rd Cock, 5th Cockerel. G. E.
Read, 2nd, 4th Hen, 3rd Cockerel. Fred
Furman, 2nd Cockerel, 4th Pullet. Ames
L. Orr, 1st Cockerel. Charles H. Ring, 1st
Cock, 1st, 5th Hen, 1st, 3rd Pullet, 1st
Pen. W. A. Greene, 2nd Cock. Oscar E.
Brooks, 4th Cockerel, 2nd Pullet, 2nd Pen,
4th Cock. D. W. Ingersoll, 5th Cock, 3rd
Hen. Windsor Park Poultry Yards, 5th
Pullet, 3d pen.

BUFF PLYMOUTH ROCKS.—John Du-
pee, 4th Hen. W. E. Russel, 2nd Cock, 2nd
Hen, 5th Pullet, 3rd Pen. Den Le Gore,
4th Cockerel. James J. Elliott, 2nd Cock-
erel. Success Poultry Yards, 4th Cock, 5th
Pen. Simon Lynch & Son, 3rd Pullet, 4th
Pen. Robert Larmer, 5th Cock, 3rd Hen,
2nd Pullet. S. Bergslien, 3rd Cock, 1st
Hen, 4th Pullet, 2nd Pen. Abbott & Dun-
ton, 1st Cockerel. S. D. Lapham, 1st Cock,
5th Hen, 3rd, 5th Cockerel, 1st Pullet, 1st
Pen.

SILVER PENCILED ROCKS. W. R.
Hinz, Hen 1.

PARTIDGE PLYMOUTH ROCKS.—
Chester P. Aldrich, Hen 1. Cockerel 1-2.
W. R. Hinz, Pullet 2. J. Frank Randall,
Cock 1, Pullet 1.

WHITE WYANDOTTES.—H. P. Wight-
man, Hen 3. J. G. Hickcox, Cock 4, Pullet
5, Pen 5. Emma B. Poultry Farm, Cock-
erel 2-4, Pullets 2, Pen 2. Mrs. M. Hall,
Cock 3, B. S. Hume, Cockerel 5, Pen 3.
Theo. Ambrosius, Cock 2-5, Hen 1-5, Cock-
erel 1-3, Pullet 1-4. Otto O. Wildt, Hen
2-4, Pen 4. F. W. Vickers, Pullet 2. A.
J. Smith, Pullet 3. Clarence Ward, Cock
1, Pen 1.

SILVER WYANDOTTES.—Calvin Ott,
Pullet 2. W. H. Millard, Cock 2-3, Hen 1-5
Cockerels 1-2, Pullets 1-3, Pens 1-3. Wil-
liam J. Fox, Cockerel 5. M. H. Randall,
Pullet 5. John A. Shaw, Cock 5, Cockerel
4. R. E. Jones, Cocks 1-4, Hens 2-3-4,
Cockerels 3, Pullets 4, Pens 2-4-5.

SILVER PENCILED WYANDOTTES.—
S. J. Sorenson, Cockerels 2-3-4, Pullets 2.

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our anti-louse roost fixtures, which will effectually prevent their ravages.

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make it impossible for them to get onto the perches from the wall or to wall from
perch without getting trapped in the oil cups which catch them by thousands.
Most convenient and practical and the only bracket made that lifts up out of the
way for cleaning dropping board, painting underside of roosts, etc. More
eggs and increased vitality of chicks and fowls will result from their use.

Prices: No. 1 or single roost style with screws, 75c per pair; 3 pair, \$2.00; 6 pair,
\$3.50; 12 pair, \$6.25. No. 2 or multiple roost style complete with chains and screws
\$1.25 per set; 3 set, \$3.25; 6 set, \$6.00; 12 set, \$11.50; f. o. b. Battle Creek, Mich. Cir-
cular free. Ask your supply dealer for them. Order today. Don't wait. Do it now.

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explain the many advantages of the

Perfected Von Culin

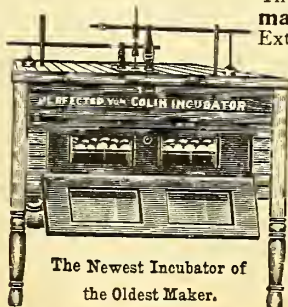
the question would be answered most satisfactorily to us both. This ma-
chine is the result of practical experiments and tests extending over a
period of 30 years. The inventor Mr. C. Von Culin is widely known as a
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mostat absolutely controls heat, Tested Thermome-
ters, and a first class Egg Tester. It takes only about
1/4 as much oil to run this machine and your hatches
will run about 20 per cent higher. A big saving
every year. You won't quarrel with the price.

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possible words. It is a time saver. We send it
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The Newest Incubator of
the Oldest Maker.

W. R. Hinz, Cock 1, Hen 1-3, J. E. Armstrong, Hens 2-4, Cockerel 1, Pullet 1-3, Pen 1.

PARTRIDGE WYANDOTTES.—Dr. C. M. Baskerville, Cock 2, Hen 4, Cockerel 3, Pullet 2, W. R. Hinz, Hen 5, Pullet 4, Pen 3. W. A. Doolittle, Cock 1-3-5, Hens 1-2-3, Cockerels 5, Pullets 1-5, Pen 1. W. M. Green, Cockerels 1-4, Dr. Gaskin & Co., Cockerel 2, D. L. Lovejoy, Cock 4, Pullet 5, M. F. Stellwagen & Son, Pen 2.

GOLDEN WYANDOTTES.—George T. Huson, Cock 1, William J. Fox, Cock 5, B. F. Hislop, Hens 4, Cockerels 1-2-5, Pullet 2, Pen 2. A. W. Davis, Cocks 2-4, Hen 1, Pullets 1-3, Pen 1. Clive H. Owen, Cockerel 4, Jeston Whitesel, Hen 3, Pullet 4, R. E. Jones, Hen 2, Cockerel 3, Pullet 5, Pen 3. Ira C. Keller, Cock 3, Hen 5, Pen 4.

BUFF WYANDOTTES.—A. Wilson, Pullet 2, D. D. Haines, Cock 4, Hen 3, Dr. G. H. Wheeler, Cockerel 5, Pullet 4, Pen 4. Frank A. Shunk, Pullet 5, Waterman & Son, Cockerel 2, Pen 3. E. W. Morene, Hen 2-4, Pen 5. W. R. Wooden, Cock 2, Cockerel 1, Pen 2. Ackley & Page, Cock 1-5, Hen 1, Cockerel 3-4, Pullet 1, Pen 1. Success Poultry Yards, Cock 3, Hen 5, Pullet 3.

COLUMBIAN WYANDOTTES.—John Evans & Son, Cockerel 2, Pullet 2, Clive H. Owen, Cock 1, Hen 2, Cockerel 1, Pullet 3. William B. Richardson, Cocks 2-3, Hens 1-3, Cockerels 3-4, Pullets 1-4.

BLACK WYANDOTTES.—Frank C. Sites, Cock 1, Hen 1-2-3, Cockerel 1-3, Pullet 1, Pen 1. W. R. Hinz, Cockerel 2, Pullet 2.

SILVER SPANGLED WYANDOTTE.—J. E. Armstrong, Cockerel 1.

DARK BRAHMAS.—Warren Rothgeb, Cock 1st, Hen 2nd, 3rd; Cockerel 1st; Pullet 2nd, 4th; Pen 1st; William Berberich, Hen 1st; Pullet 1st, 3rd.

LIGHT BRAHMAS.—C. H. Collins, Cockerel 3rd, 4th, 5th, Pullet 4th, David P. Cock, 3rd, 4th, 5th; Pullet 1st, 2nd; Pen 1st. C. L. Duffield, Cock 1st; Hen 2nd, 4th; Pen 2nd. Simon Lynch & Son, Cock, 2nd; Hen 5th; Cockerel 1st; Pullet 3rd, 5th; Pen 3rd. Dr. Brinkerhoff, Hen 1st, 3rd; Pen 4th.

BUFF COCHINS.—Henry J. Jenner, Cockerel 3rd; Pen 4th, 5th. Hugh Wyatt, Cock, 4th; Hen 4th; Cockerel 1st, 4th, 5th; Pullet 2nd, 3rd, 5th; Pen 2nd. Thos. Curry, Cock, 3rd; Hen 1st, 2nd, 5th; Pen 3rd. F. A. Hefner, Cock 1st; Hen 3rd; Cockerel 2nd; Pullet 1st, 4th; Pen 1st. C. L. Duffield, Cock 2nd; C. W. Case, Cock 5th.

PARTRIDGE COCHINS.—James A. Maxwell, Cock 4th; Hen 5th. U. J. Shanklin, Cock 1st, 2nd, 3rd; Hen 1st, 2nd, 4th; Cockerel 1st, 2nd, 3rd; Pullet 1st, 2nd, 3rd; Pen 1st. C. L. Duffield, Cock 5th; Hen 3rd; Pullet 4th, 5th; Pen 2nd.

WHITE COCHINS.—Warren Rothgeb,

Cock, 1st; Hen 2nd, 3rd; Pullet 2nd, 4th; Pen 1st. F. A. Prager, Pullet 1st. W. O. Swain, Hen 1st; Cockerel 1st, 2nd; Pullet 3rd.

WHITE LANGSHANS.—Rees F. Matson, Cock 1, Hen 1-2-3, Cockerel 1, Pullet 1-2.

BLACK LANGSHANS.—W. F. Michaels, Pullet 1-2. Daniel Thomas, Hen 2-4. E. W. Colton, Cockerel 1. Margaret C. Daly, Hen 1, Cockerel 2, Pullet 3, Windsor Park Poultry Yards, Cock 1, Hen 3.

S. C. BUFF LEGHORNS.—C. H. Collins, Pullet 5. George S. Barnes, Cock 2, Hen 1-4, Cockerel 3, Pen 2. Frank M. Clark, Hen 3-5, Cockerel 5. Nate K. Cornwall, Cock 1-3-4-5, Hen 2, Cockerel 1-2-4, Pullet 1-3-4, Pen 1. L. Pendroy, Pullet 2.

R. C. BROWN LEGHORNS.—F. A. Lord, Cock 1, Cockerel 2-3. Dr. F. M. Reed, Hen 1, Cockerel 1, Pullet 3. John Dupee, Cock 2, Cockerel 4-5, Pullet 1-2-4-5, Pen 1. Windsor Park Poultry Yards, Hen 2. H. S. Lamson, Cock 3, Hen 3.

S. C. BROWN LEGHORNS.—J. E. Lauterbach, Hen 1-2. Fred Mort, Cock 4, Cockerel 4-5, Pullet 3-4-5, Pen 2. Mrs. M. E. Ratliff, Cock 3. H. F. Becker, Cockerel 1. Ray Belsley, Cock 1-5, Hen 4, Pullet 2. W. H. Wiebke, Cock 2, Cockerel 2-3, Pullet 1. Pen 1. Scott Billman, Hen 3-5. Mrs. C. L. Carney, Pen 3.

R. C. WHITE LEGHORNS.—W. W. Wood, Pullet 1. Fred Miller, Cockerel 1. E. L. Kappelman, Cock 3, Hen 1. Charles H. Rose, Cock 5. Rocky River Poultry Company, Cock 1-2-4, Hen 2-3-5, Pullet 4-5, Pens 1-2. Mrs. Reeves, Hen 4, Cockerel 2-3-4-5, Pullet 2-3.

S. C. WHITE LEGHORNS.—J. E. Lauterbach, 4th Cock. Studebaker Model Poultry Farm, 5th Cockerel, 1st Pullet, 5th Pullet, 3rd Pen. H. M. Morse, 2nd, 3rd Cock, 1st, 3rd Hen, 2nd Cockerel, 2nd Pullet, 2nd Pen. Edward Siegrasser, 4th Pen. Dr. W. A. Gibson, 4th Hen, 3rd Cockerel, 3rd Pullet. Hainsworth & Rawnsley, 4th Pullet. White Leghorn Poultry Yards, 1st, 5th Cock, 2nd, 5th Hen, 1st, 4th Cockerel, 1st Pen.

R. C. BUFF LEGHORNS.—Harry McDonald, Cockerel 1-2.

BLACK MINORCAS.—A. B. Kaye, 4th Cock, 2nd Hen, 2nd, 5th Cockerel, 1st, 2nd, 4th, 5th Pullet, 2nd Pen. J. G. Armstrong, 4th Hen, 4th Cockerel. Charles Esslinger, 1st Hen. Charles G. Pape, 1st Cock, 3rd Hen, 1st Cockerel, 3rd Pullet, 1st Pen. Lunny Reynolds, 3rd Cock. Rose Lodge Poultry Yards, 2nd Cock, 3rd Pen. A. Diriksen, 5th Hen, 3rd Cockerel.

R. C. BLACK MINORCAS.—S. T. Cammell, 1st, 3rd Cock, 1st, 3rd Hen, 1st, 2nd, 3rd Cockerel, 2nd, 4th, 5th Pullet, 1st, 3rd Pen. E. R. Sherman, 2nd Hen, 5th Cockerel. A. Diriksen, 2nd, 4th Cock, 4th, 5th Hen, 4th Cockerel, 1st, 4th Pullet, 2nd Pen.

WHITE MINORCAS.—Henry Dunne, 2nd, 3rd Cock, 1st Hen, 5th Pen. Harry

C. Meiselbach, 4th Cockerel, 2nd Pullet, 4th Pen. S. A. McWilliams, 1st, 4th Cock, 2nd, 3rd, 4th, 5th Hen, 1st, 2nd, 3rd, 5th Cockerel, 1st, 2nd, 4th, 5th Pullet, 1st, 2nd, 3rd Pen.

R. C. WHITE ORPINGTONS.—F. C. Bailey, 1st Cock, 1st Hen, 1st, 2nd, 3rd, 4th Pullet, 1st Pen.

R. C. BUFF ORPINGTONS.—Harry Bettscher, 1st, 2nd Hen, 1st Cockerel, 1st, 2nd Pullet.

S. C. BUFF ORPINGTONS.—W. H. Bushell, 3rd Cock, 1st Hen, 2nd, 3rd Cockerel, 4th Pullet, 1st Pen. F. C. Bailey, 1st Cock, 1st Cockerel, 5th Pullet. J. R. Keath, 5th Cockerel, 2nd, 3rd Pullet, Frank C. Sites, 2nd Hen. C. S. Byers, 2nd Cock, 4th Cockerel, 1st Pullet.

BLACK ORPINGTONS.—Theo. Ambrosius, 1st, 2nd Cockerel, 1st, 2nd Pullet. C. S. Byers, 3rd, 4th Cockerel, 3rd, 4th Pullet, 1st Cock, 1st Hen.

WHITE ORPINGTONS.—C. S. Byers, 1st Pullet.

GOLDEN PENCILED HAMBURG.—D. Van Reenen, Cock 1, Hen 1-2, Cockerel 1, Pullet 1-2.

SILVER PENCILED HAMBURG.—D. Van Reenen, Hen 1-2, Cockerel 1.

GOLDEN SPANGLED HAMBURG.—Paul Meeske, Hen 1-2.

SILVER SPANGLED HAMBURG.—Frank Kuechenmeister, Cockerel 2. J. E. McClain, Hen 4, Cockerel 1, Pullet 1-2. J. E. Armstrong, Hen 2-3, Cockerel 3, Pullet 3. A. P. Thoms, Hen 1, Pullet 4. Windsor Park Poultry Yards, Cock 1, Hen 5.

HOUDANS.—Otto Claus, Hen 1. Fred Graf, Hen 2, 3, Pullet 1.

R. C. RHODE ISLAND REDS.—E. E. Beck, 1st, 2nd Cock, 4th Hen, 2nd, 5th Cockerel, 3rd Pullet, 2nd Pen. L. L. Conn, 3rd Hen, 1st Cockerel, 2nd Pullet. Gabriel Bros., 1st Hen, 4th Cockerel, 1st, 4th, 5th Pullet, 1st Pen. William B. Richardson, 3rd Cock, 2nd Hen, 3rd Cockerel.

S. C. RHODE ISLAND REDS.—Elmer B. McGaw, 2nd Hen, 2nd Cockerel, 4th, 5th Pullet. F. M. Malone, 1st, 2nd Pullet. William B. Richardson, 1st Cock, 1st Hen, 1st Cockerel, 3rd Pullet.

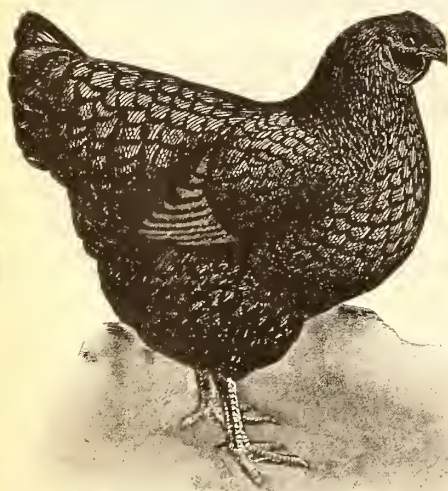
BLUE ANDALUSIANS.—Ray Poultry Yards, Cock 1st; Hen 3rd, 4th; Pullet 4th, 5th; E. L. C. Morse, Cock 2nd; Hen 1st, 2nd; Cockerel 1st, 2nd; Pullet 1st, 2nd, 3rd.

ANCONAS.—Henry Scheyer, Hen 1st; Cockerel 1st; Pullet 1st.

WHITE CRESTED BLACK POLISH.—Will J. Kelly, 1st Cock, 1st Hen, 1st Cockerel, 1st, 2nd Pullet.

B. B. RED GAME.—W. H. Thompson, Cock 1-3, Hen 1-2, Cockerel 1-3, Pullet 1-2. Brooks, Hoffman & Pfeffer, Cocks 2-4, Hens 3-4, Cockerel 4, Pullet 3. H. D. Schrieter, Cock 5, Hen 5, Cockerel 2-5, Pullet 4-5, Pen 1.

BROWN RED GAME.—W. H. Thompson, Cock 1, Hen 1, Pullet 1-2.



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Great Chicago Show, Jan. 22-28, 1905

Opens our twelfth season's business, and like all former years, with a noted record. The largest class of Silver and Golden Wyandottes ever brought to a Chicago show was there, and quality that surpasses any former show on record.

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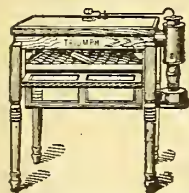
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transform every fertile egg into a strong, lively chick. No guess work; they are thoroughly tested. Built very durably, having heavy double walls and doors, copper tanks, safety lamps, nursery, is positive self regulating, unexcelled system of ventilation and moisture prevents chicks dying in the shell. It is simple, easy to operate, no night watching and our prices are very low. Most valuable res not found in others. Triumph Brooders are life savers. All machines sold under strongest guarantee. Don't waste time, money and eggs with a poor machine. Try the Triumph for 30 days free and return if you don't like it. 35 varieties of fine poultry. Eggs and fowls for sale. Catalogue free.

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The Editor

of this paper KNOWS that E.C. Stearns & Co. of Syracuse, are absolutely responsible and will make good every claim they put forth for the celebrated

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which they offer to ship anywhere on **THIRTY DAYS' FREE TRIAL.** Fowls fed on the green bone ration as prepared (milled) by the Stearns Cutter will double their egg output in fall and winter. You write at once and get the bone cutter book. It proves that poultry profits can be increased the year 'round. **DO IT NOW.** Address

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GOLDEN DUCKWING GAME.—W. H. Thompson, Hen 1, Pullet 1.

SILVER DUCKWING GAME.—W. H. Thompson, Cock 1-2, Hen 1-2, Cockerel 1-3, Pullet 1-2. Brooks, Hoffman & Piepper, Cockerel 2.

RED PYLE GAME.—W. H. Thompson, Cock 1, Hen 1, Cockerel 2, Pullet 1. Brooks, Hoffman & Piepper, Cockerel 1, Pullet 2.

PIT GAME.—Edmund Robinson, Cock 1. E. H. Macoy, Cock 3-4-5, Cockerel 3-4. Henry N. Ayers, Cock 2, Cockerel 1-2. Dr. H. P. Clarke, Hen 1.

CORNISH INDIAN GAME.—Brent & Eddy, Cockerel 3-5, Pullet 2. Rev. H. A. Huey, Cock 2, Hen 1, Cockerel 2-4, Pullet 3. William Sawyer, Jr., Cock 1, Hen 3, Pullet 1-4, Pen 1. Barnard Cummings, Hen 2, Cockerel 1, Pullet 5, Pen 2.

BIRCHEN GAME.—W. H. Thompson, Cock 1st.

BLACK COCHIN BANTAMS.—K. J. Muir, Cock, 1st; Hen, 2nd, 3rd, 5th. F. A. Prager, Cock, 2nd; Hen, 1st, 4th; Pullet, 1st, 2nd, 3rd; Pen, 1st.

BUFF COCHIN BANTAMS.—Dehn & Kubicke, Hen 5th; Cockerel, 3rd, 4th, 5th; Pullet, 4th, 5th; W. W. Zike, Cockerel, 1st; Pullet, 1st. Albert Heitmann, Hen, 2nd, 3rd, 4th. Dr. O. P. Bennett, Cock, 1st; Hen, 1st; Cockerel, 2nd; Pullet, 2nd, 3rd; Pen, 1st.

WHITE COCHIN BANTAMS.—Frank A. Shunk, Hen, 1st; Cockerel, 1st.

BIRCHEN GAME BANTAMS.—C. A. & F. Y. Parfrey, Cock, 1st; Cockerel, 2nd; Pullet, 2nd. Frank C. Sites, Cockerel, 1st; Pullet, 1st. R. R. Voris, Hen, 1st.

B. B. RED GAME BANTAMS.—C. A. & F. Y. Parfrey, Cock, 3rd; Cockerel, 4th; Pullet, 2nd. Don C. Doolittle, Cock, 4th; Hen, 2nd, 3rd; Pullet, 1st. Brook, Hoffman & Piepper, Cock, 2nd. R. R. Voris, Cock, 1st; Hen, 1st; Cockerel, 1st; Pullet, 3rd. John Watkin, Cockerel, 2nd. Windsor Park Poultry Yards, Cockerel, 5th. Oliver Whitmore, Hen, 4th; Cockerel, 3rd.

BROWN AND RED GAME BANTAMS.—C. A. & F. Y. Parfrey, Pullet, 1st. R. R. Voris, Cockerel, 1st.

S. DUCKWING GAME BANTAMS.—C. A. & F. Y. Parfrey, Pullet, 2nd. Ray Schoonhoven, Cock, 2nd; Hen, 2nd, 3rd; Pullet, 3rd, 4th. Brook, Hoffman & Piepper, Cockerel, 1st. R. R. Voris, Cock, 1st; Pullet, 1st.

RED PYLE GAME BANTAMS.—C. A. & F. Y. Parfrey, Cock, 2nd, 3rd; Hen, 3rd. Frank C. Sites, Pullet, 2nd. Brook, Hoffman & Piepper, Cockerel, 3rd. R. R. Voris, Cock, 1st; Hen, 1st, 2nd; Cockerel, 1st, 2nd, 4th; Pullet, 1st, 3rd.

JAPANESE BLACK BANTAMS.—Frank W. Radford, Cock, 1st; Hen, 1st, 2nd; Cockerel, 1st, 2nd; Pullet, 1st, 2nd.

JAPANESE BLACK TAILED BANTAMS.—Frank W. Radford, Cock, 1st; Hen, 2nd, 4th, 1st, 3rd; Cockerel, 1st; Pullet, 1st, 2nd.

GOLDEN JAPANESE BANTAMS.—Frank W. Radford, Cockerel, 1st; Pullet, 1st.

SILVER JAPANESE BANTAMS.—Frank W. Radford, Cock, 1st, 2nd; Hen, 1st, 2nd.

WHITE JAPANESE BANTAMS.—Frank W. Radford, Cock, 1st; Hen, 1st, 2nd; Pullet, 1st, 2nd.

WHITE CRESTED POLISH BANTAMS.—Carl H. Kripping, Hen, 1st; Cockerel, 1st; Pullet, 1st.

R. C. BLACK BANTAMS.—Mrs. A. J. Kimmey, Cock, 1st, 2nd, 3rd, 4th; Hen, 1st, 2nd, 3rd. E. M. Schwartz, Cockerel, 1st; Pullet, 1st.

GOLDEN SEBRIGHT BANTAMS.—F. A. Harrison, Hen, 1st; Albert Heitmann, Cock, 1st; Hen, 2nd, 4th. Windsor Park Poultry Yards, Hen, 3rd.

SILKIES.—Frank W. Radford, Cock 1, Hen 1, Pullet 1-2.

BLACK SPANISH.—R. G. Bielefeld, Hen 1-2, Cockerel 1.

WILD DUCKS.—Frank J. Hicks, Cockerel 1, Pullet 1.

WHITE PEKIN DUCKS.—Theo. Ambrosius, Cocks, 1-2, Hens 1-2, Cockerels 1-2, Pullets 1-2. Frank C. Sites, Cockerel 3, Pullet 3. Mrs. N. E. Nibble, Cockerel 4. Miss Margaret Hope, Cock 3 Hen 3, Cockerel 5, Pullet 4.

BRONZE TURKEYS.—Warren Rothgeb, Cock 2, Hens 1-4, Cockerels 1-4, Pullets 1-3, Pen 1. Mrs. William Rogers, Cock 4, Cockerel 5. Mrs. Charles Jones, Cock 1, Hen 3, Pullet 4. O. K. Ritchey, Cock 3, Hen 2-5, Cockerel 2-3, Pullet 2-5, Pen 2.

GUINEA FOWLS.—Frank J. Hicks, Cock 1, Hen 1.

WHITE TURKEYS.—Frank J. Hicks, Cock 1, Hen 1, Cockerel 1, Pullet 1.

INDIAN RUNNER DUCKS.—Margaret Hope, Cock, 1st; Hen, 1st.

GRAY CALL DUCKS.—Chas. McClave, Cockerel, 1st, 2nd; Pullet, 1st, 2nd.

COLORED MUSCOVEY DUCKS.—Chas. McClave, Cockerel, 1st, 2nd; Pullet, 1st, 2nd.

WHITE MUSCOVEY DUCKS.—Chas.

McClave, Cockerel, 1st; Pullet, 1st.
ROUEN DUCKS.—Chas. McClave, Cockerel, 1st; Pullet, 1st.

BROWN CHINA GEESE.—Chas. McClave, Cock, 1st, 2nd; Hen, 1st, 2nd.

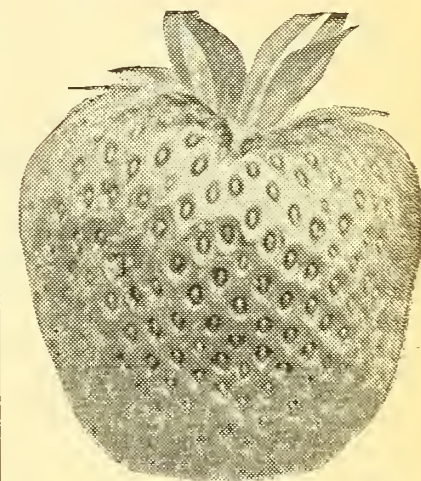
WHITE CHINA GEESE.—Chas. McClave, Cock, 1st, 2nd; Hen, 1st, 2nd.

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THE RURAL NEW-YORKER
310 Pearl Street, New York.

FOURTEENTH ANNUAL MEETING AMERICAN PLYMOUTH ROCK CLUB.

The fourteenth annual meeting of the American Plymouth Rock Club was held at Madison Square Garden, New York, Jan. 4, 1905, with thirty-seven members present.

The following officers were elected: President, W. S. Russell, Ottumwa, Ia.; vice-presidents, E. B. Thompson, J. F. Crangle, D. T. Heimlich, J. M. Rapp, B. S. Davis, E. L. Miles, T. L. Norval; secretary and treasurer, H. P. Schwab, Rochester, N. Y.; executive committee, A. C. Smith, C. H. Welles, H. S. Fletcher, Chas. McClave, F. H. Schallebarger, M. F. Delano, J. G. Goodwin, W. B. Alexander, H. P. Rankin.

The officers report shows the club to be prosperous with \$107.36 in the treasury.

One hundred and twenty-six applications for membership were received and approved. The secretary was authorized to issue life membership cards to members desiring same at \$10. There are now over 1,200 annual members enrolled.

The 1905 catalogue is just out and is the superior of any ever issued. It contains up-to-date articles of great value to those interested. It is mailed free for 4 cents postage.

We take this opportunity to urge all the friends of the Barred Plymouth Rocks not enrolled to do so now, the fee is \$1, annual dues the same; by so doing you aid our object in furthering the interest of the breed and enable us to carry on the work we have been doing. Come with us now and we will surely appreciate your company, and you ours.

H. P. SCHWAB,
Secretary and Treasurer.

Rochester, N. Y.

THE CHARLOTTE POULTRY SHOW.

Editor AMERICAN POULTRY JOURNAL:

The Charlotte, N. C., poultry exhibit was held Jan. 14-20, 1905, and was, I believe, one of the very largest and most successful ever held in the south. It was one of the best I had ever seen

either north or south. The quality of the stock shown was of the very best as a rule, while in all the principal classes there were many birds of exceptional merit. This can be said of the Barred and White Rocks, the Wyandottes and Leghorns. It was my duty besides meeting some of the most interesting fanciers I have ever met to score every one of the 1,000 or more birds there, so ought to be qualified to make above assertions.

Competition was as a rule very strong. There were 237 Barred Rocks, 69 White Rocks, 84 W. Wyandottes, 42 S. L. Wyandottes, 72 S. C. White Leghorns, 117 S. C. Brown Leghorns, 47 Black Minorcas, etc. Would be pleased to see these breeders and their birds at New York; am sure the comparison would be favorable and a credit to them.

The South is surely making rapid strides and the ranks of the fanciers are doubling yearly, there are many possibilities there with thoroughbred poultry and the breeders are awake to these.

With best wishes for success to our friends of the Southland.

H. P. SCHWAB.

MEETING OF BUFF LEGHORN CLUB.

The annual meeting of this club was held at Madison Square Garden, New York City, at 2 p. m., Jan. 5, '05, and was well attended, the following members taking an active part: Thomas Peer, Aug. D. Arnold, E. G. Wyckoff, Herbert W. Smith, Wm. Campbell, Frank I. Bennett, John I. Craig, R. N. Jacobus. Herbert W. Smith was elected secretary pro tem, President Peer in the chair.

The report of the treasurer showed a balance on hand after paying expenses and for 15 silver cups and 200 ribbons that were offered at the different shows this winter.

E. G. Wyckoff moved that the club furnish each member with a club button, which was carried.

Moved and carried that a vote of thanks be extended to the secretary.

It was decided at this meeting that the club make every effort next winter

in offering many valuable specials to be competed for by its members only.

The following officers were elected for the ensuing year:

President, Thomas Peer, Fairfield, N. J.; eastern vice-president, E. G. Wyckoff, Ithaca, N. Y.; middle vice-president, S. M. Keltner, Anderson, Ind.; western vice-president, Gene M. Simpson, Corvallis, Oregon.

Secretary and treasurer, Geo. S. Barnes, Battle Creek, Mich.

Executive committee, Aug. D. Arnold, Dillsburg, Pa.; Nate K. Cornwall, Thamesville, Ont., Can.; Chas. L. Thayer, Chicago, Ill.

Honorary vicepresidents, James Dundas, Deer Park, Ont.; J. A. Harron, Berlin, Ont.; F. E. Olson, Galva, Ill.; Chas. A. Reber, West Liberty, Ill.; F. E. Clarke, Chicago, Ill.; T. J. Walp, Quakertown, Pa.; Chas. Fluhrue, Aspinwall, Pa.; E. Wardle, Venetia, Pa.; Frank I. Bennett, Point Pleasant, N. J.; John I. Craig, Arlington, N. J.; Wm. T. Krepps, Grand Rapids, Mich.; B. W. Fellows, Big Rapids, Mich.; Carl W. Lenz, Dayton, Ohio; W. H. Maxwell, Topeka, Kans.; Robert Coutts, Moscow, Idaho; L. B. Zeil, Milton, Oregon; Ed Schoel, Albany, Oregon; B. C. Garmon, East Lake, Ala.; F. S. Zwick, Seymour, Conn.; G. W. Gilliam, Monteagle, Tenn.; P. A. Walker, Cleveland, Tenn.; Wes. Loser, Terre Haute, Ind.; John B. Krue, St. Joseph's Hill, Ind.; Chas. H. Clough, Olympia, Wash.; Chas. B. Reed, Malaga, Wash.; A. T. Lindgren, Kingsburg, Calif.; G. Paul Pitt, Watertown, S. Dak.; Chas. White, Aurora, Neb.; P. W. Fenelon, Galveston, Texas; Len Lanius, College Hill, Ohio; Sylvester Shirley, Fort Clinton, Ohio; Josiah Fitz 4th, Lynn, Mass.; Geo. H. Woolnough, Arlington Heights, Mass.; John P. Robertson, Florence, Colo.; J. M. Hill, Colorado Springs, Colo.; Irving Wheatcroft, Wheatcroft, Ky.; Geo. W. Seymour, Louisville, Ky.; Wm. L. Howell, Gene-seo, N. Y.; Mrs. C. W. Harrington, Harford Mills, N. Y.; Russel J. Crane, West Haven, Conn.; Geo. Harnden, East Onondaga, N. Y.; J. S. Hughes, Fayette, Mo.; R. Ferrenback, St. Louis, Mo.; H. L. Haff, Beloit, Wis.; W. M. Bean, Anoka, Minn.

9 big strong chicks for every 10 eggs set! This is the record from 1000 eggs.

50 per cent. more chicks in actual results

reported from the Atlantic to the Rockies and from the Lakes to Florida. No two under same atmospheric conditions.

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As poultrymen appreciate the fact that it's wrong and contrary to every known law of Nature to push a tray full of eggs into an Incubator beneath a tank, or pipes, or radiator glimmering with a dry heat that shrivels and dries the life out of an egg, they buy The New Method. Our factory is running day and night to fill orders for New Method Incubators, Brooders, Poultry and Chick Food.

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The New Method Incubator Co., Box 32 Morrow, O.



The
New
Method
Incubator.
A Record
Unparalleled!

Officers of the club met at the Coliseum at Chicago, and several important matters were discussed, it being their opinion that another catalogue should be issued this fall. The secretary has about 100 books left which will be sent to any one asking for it, free of charge. Now is the time to join and get your name in the catalogue.

GEO. S. BARNES, Sec.

**THE SIXTH ANNUAL MEETING
OF THE NATIONAL WHITE
WYANDOTTE CLUB.**

The sixth annual meeting of the National White Wyandotte Club was held at Madison Square Garden, New York City, Jan. 5, 1905, with President M. F. Delano in the chair. There were over forty members in attendance.

It was decided that a committee of seven, including the president and secretary, be appointed to make necessary arrangements for establishing state organizations, and that this committee suggest the changes that will be necessary in the by-laws and present the same to the club for action in the proper manner.

The secretary was instructed to get propositions from the large western shows for holding the next annual meeting with them, and to leave the place of meeting to a vote of all members of the club. Such vote to be taken before October 1, 1905.

The secretary was instructed to send out the proceedings of this meeting, with the new club catalogue.

On motion, the matter of who should judge the White Wyandotte class at the next annual meeting, was left to the executive committee.

The secretary read a letter from the officers of the Kansas White Wyandotte Club showing what is being done by the White Wyandotte Club of that state. Also, a letter from the secretary of the Brockton, Mass., show, asking the club to hold a state meeting there in connection with their show, December 13-16, 1905.

The treasurer read his report, showing a cash balance of \$262.55. The report was accepted and ordered filed.

The election of officers for 1905 was then held, with the following results: M. F. Delano, president, Millville, N. J.; Horace Havemeyer, vice-president, Stamford, Conn.; Ross C. H. Hallock, secretary and treasurer, St. Louis, Mo. Executive committee: Alfred E. Elwell, West Mentor, Ohio; W. H. Bates, Rockville Center, Long Island; W. R. Graves, Springfield, Mass., and the president and secretary of the club.

AMERICAN HOUDAN CLUB.

The annual meeting of the American Houdan Club was held at Boston, Jan. 20th and elected the following officers: President, Rev. C. E. Peterson, Franklin, Me.; vice-president, F. W. McKenzie, Concord, Mich.; secretary-treasurer, D. P. Shove, Fall River, Mass.; executive committee, T. F. Rigg, Iowa Falls, Iowa; B. Bement, Lockport, N. Y.; W. E. Smith, Springfield, Mass.; L. W. Borden, Fall River, Mass.; S. D. Lance, Troy, Ohio.

It was voted to offer special club ribbons at all the leading exhibitions. The officers hope by offering special prizes, and by having the breeders and all

others who are interested in the Houdans, to co-operate by joining the club, and by so doing there will be better Houdans and more of them at all of our poultry shows.

Send one dollar to the secretary and help bring out more of these beautiful birds.

SALAMANCA, N. Y.

The fifth annual exhibition of the Cattaraugus County Poultry and Pet Stock Association, held at Salamanca, N. Y., Jan. 24-27, 1905, was a grand success in every respect, and the association has decided to hold their next show at Salamanca, Jan. 22-25, 1906. J. B. Swan, secretary.

ENID, OKLA.

The Enid Poultry and Pet Stock Association held a very successful show at Enid, Okla., Jan. 25-28, 1905.

BELLE FOURCHE, S. D.

The first annual exhibition of the Black Hills Poultry Association was a success, notwithstanding the extremely cold weather. The entries were limited, but what they lacked in quantity was made up in quality.

EMPORIA, KAN.

The Emporia Fanciers' Club held their third annual exhibition at Emporia, Kan., Jan. 24 to 28, 1905. The weather was very cold the first and second day, but it seems the breeders of fancy poultry do not stop for cold weather as there were more birds on exhibition than last year and the quality as remarked by different visitors was better.

C. A. Emry of Carthage, Mo., did the scoring and gave entire satisfaction.

ROCKFORD, ILL.

The Rockford Poultry and Pet Stock Association held a very successful show Jan. 16-21, 1905, all the classes being well filled.

ANGOLA, IND.

The fourth annual exhibition of the Tri-State Poultry and Pet Stock Association, held at Angola, Ind., was a success, both socially and financially. All varieties were represented, there being nearly 500 entries.

OLNEY, ILL.

The Richland County Poultry Association held a most successful exhibition at Olney, Ill., Jan. 26, 1905. Chas. McClave did the judging, and gave entire satisfaction. There were 503 entries.

The eighth annual meeting of the American Buff Plymouth Rock Club was held in Madison Square Garden, Jan. 4, 1905.

In the absence of the president and vice-presidents the meeting was presided over by A. C. Hawkins. The following officers were elected for the present year—President, Mr. A. C. Hawkins; western vice-president, Mr. B. E. Johnson; eastern vice-president, Mr. C. L. Pensyl; secretary and treasurer, Mr. W. C. Denny; executive committee, Messrs. M. F. Delano, C. A. Morton and F. C. Shepherd, in addition to the president and secretary.

The secretary's report shows the club to be actively interested in the advancement of the variety. In addition to the silver cup and ribbons offered by Madison Square Garden, silver cups were offered at Fostoria, O., Peoria, Ill., Detroit, Mich., Moberly, Mo., Letitz, Pa., Raleigh, N. C., Webster City, Iowa, Middletown, Conn., Boston, Mass., and Schenectady, N. Y.

Every breeder who is not a member of the club should join at once. Send 3c stamp for fine catalogue published last season to

W. C. DENNY, Sec.

Rochester, N. Y.

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**I Have Made the Most Marvelous Discovery
for the Positive Cure of Deafness and
Head Noises and I Give the
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**I Have Demonstrated That Deafness Can
be Cured—Dr. Guy Clifford Powell.**

again; and I say to those who have thrown away their money on cheap apparatus, salves, air pumps, washes, douches, and the list of innumerable trash that is offered the public through flaming advertisements, I can and will cure you to stay cured. I ask no money. My treatment method is one that is so simple it can be used in your own home. You can investigate fully, absolutely free and you pay for it only after you are thoroughly convinced that it will cure you, as it has others. It seems to make no difference with this marvelous new method how long you have been deaf nor what caused your deafness, this new treatment will restore your hearing quickly and permanently. No matter how many remedies have failed you—no matter how many doctors have pronounced your case hopeless, this new magic method of treatment will cure you. I prove this to your entire satisfaction before you pay a cent for it. Write today and I will send you full information absolutely free by return mail. Address, Dr. Guy Clifford Powell, 1867 Auditorium Building, Peoria, Ill. Remember, send no money—simply your name and address. You will receive an immediate answer and full information by return mail.



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A large number of leading poultry-

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Our illustration shows the well known Meadow Brook Farm at Dallas, Pa., where Paroid Roofing is used for all poultry buildings with gratifying success.

Other prominent users of Paroid are D. J. Lambert and Weber Bros., who own the largest duck farms in the world. We believe that this is a proposition that every one of our readers should investigate. F. W. Bird & Son are one of the oldest firms in the country, having been established in 1817. They manufacture the roofing throughout in their own mills and have an enviable reputation for living up to every promise they make to their customers. Send for their booklet, "Building Economy." You will be interested in it. It will save you money.

CHICAGO POULTRY SUPPLY HOUSE.

Owing to the large increase in business the Chicago Poultry Supply House has increased their floor space at their office and warehouse and are in a position to ship anything in the line of poultry supplies on short notice. They are the western agents for the famous "Model" incubators, manufactured by Chas. A. Cyphers; Star White Washing Machines (known to be the best made); Rouse & Story Brooder; Morris' Poultry Cure, Conkey's Roup Cure, Drinking Fountains, Bone Cutters, Lice Killer, in fact, anything useful for the up-to-date poultry man.

Here is a place where you can obtain expert advice on poultry culture.

Mr. Fred J. Phillips, manager of the Chicago Poultry Supply House, 607 Lakeside Building, corner Clark and Adams streets, is a successful, practical poultry man and incubator expert, with several years' experience, and has a national reputation as breeder of R. C. W. Leghorns.

HOW TO BREED UP TO THE TOP.

Engage early setters from your neighbors, furnish them fertile eggs from your best pens. Pay them above market price to get them interested. Let them bring the chicks to you for their pay

when they weigh about three pounds. You will find in every brood a few that are larger, thriftier, saucy and greedy. Cull these fine chaps out; mark their toes. When you select pullets next year for your breeding pens use these pullets. Next year you will not have so many culls. I have plenty of neighbors that like to raise chicks for me.

ORVILLE D. CHINN.

Kehoe, Ky.

Turkey broilers, it is said, must be about six pounds in weight, the poult excelling for this purpose. It is claimed that it makes the most delicious, juicy broiler that an epicure can fancy.

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, **standard qualities have not been neglected.** They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Stock for sale. **Eggs for Hatching** \$2.00 per 15, \$3.75 per 30, \$5.00 per 45, \$10.00 per 100. From winners pen \$3.00 per 15, \$5.00 per 30. Illustrated circular free

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Winners at Madison Square Garden, N. Y., 1903-1904-1905

H. J. BLANCHARD

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"Incubators and Brooders Will Hatch and Brood Your Chicks," BUT



Extra Quality "Quick Meal"

CHICK FEED

Is needed to raise them all; make 'em grow and thrive like a Green Bay Tree. **Steinmesch Chick Feed** is a mixture of cracked grains, small seeds, beef bone and grit—20 different kinds, especially prepared for the rearing of chicks from the time they are hatched until 10 weeks old—Feed dry; always handy and ready for use. No waste. Always the same. **THE BEST and no higher in price than any other feeds.**

Steinmesch Select Hen Feed, \$2.50 per 100 lbs. \$11.25 for 500 lbs. \$2.00 per 100 lbs. Choice Pigeon Feed, \$2.00 per 100 lbs. Special prices on large quantities. GET IT FROM OUR AGENTS. If there is none in your town, send to us direct and we will prepay the freight on 200 lbs. and over to all points east of the Rocky Mountains. We also sell

Kaffir Corn, \$1.30 per 100 lbs. Best cracked Yellow Corn, \$1.25 per 100 lbs. Broken Rice, \$1.50 per 100 lbs. Mica Crystal Grit, Oyster Shell, Beef Scraps, Granulated Bone, etc. We are also General Western Agents for the **Genuine Cyphers Incubators and Brooders, Mann Bone Cutters.** Carry a complete stock of 1905 Patterns. Sell at manufacturers' prices, and ship promptly from St. Louis. **Correspondence Solicited.**

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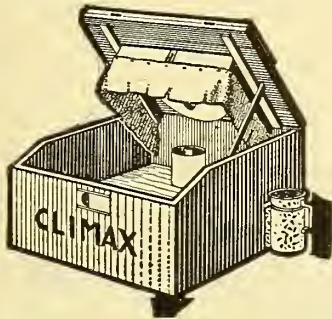
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Better than a guarantee, which may be nothing but boastful words. Better than the experience of others, which in many cases is exceptional, is the actual test of a thing for yourself. The experience of others is good, of course, as an indication of what one may expect, but to *know* a thing for oneself is the knowledge that is valuable and helpful.

Mr. S. L. Hirschey, of the Climax Incubator & Brooder Co., Castorland, N. Y., has been making and selling a brooder for a number of years under the name of "Climax" which has gained a world-wide reputation. It won the highest awards at the Pan-American Exposition at Buffalo and at the Industrial Exposition at Toronto, Canada, in 1902, besides being adopted by many state institutions in preference to all others. His company makes an incubator, also under the name "Climax," which has met with just as marked successes as the Climax brooder. The company is unique, however, in that it does not try to sell its products on reputation alone, but sells every machine strictly on its merits.



The manufacturers plan to sell every incubator and every brooder that leaves their factory direct to the customer, and to sell it on a 60 days' free trial plan—giving two whole months to test them in actual operation, to prove to the entire satisfaction of the purchaser that the machine is just what it should be and that the purchaser can use it and make money. Climax incubators and brooders are not cheap, trashy machines, but are well-built, practical hatchers and brooders with special features adapting them to beginners as well as to the particular needs of large poultry raisers. Before buying a machine it will be wise to send for their new catalogue and learn all about this 60 days' free trial plan—it may save you a lot of disappointment; it will certainly insure you a lot of satisfaction.

Address all inquiries to the Climax Incubator & Brooder Co., Castorland, N. Y.

WINNINGS OF THE PINES, CHICAGO, JAN. 22-28, 1905.

The Wyandottes at the great Chicago show, January 22-28, were the best lot of birds ever shown in one show. World's Fair not excepted. It was a settled fact among all exhibitors that the quality was better than at any previous show on record. In quantity the Silvers and Goldenes were the largest classes ever exhibited at a Chicago show, they being close to the Whites in numbers. Jones' Wyandottes from The Pines, Paducah, Ky., won: Silver Wyandottes, cock, first and fourth; hens, second, third and fourth; cockerel, third; pullet, fourth; pens, second, fourth and fifth. Golden Wyandottes, hen, second; cockerel, third; pullet, fifth; pen, third. Specials—\$100 silver cup for largest and best display in the show; challenge cup for largest and best display in the American class; silver challenge cup for largest and best display in the Wyandotte classes.

E. H. Gaines, of Gaffney, S. C., won on his White Plymouth Rocks as follows: The State Fair, Columbia, S. C., Nov. 25 to 28, 1904—First cock, second hen, second cockerel, first and second pens. Charleston, S. C., November 21 to 26, 1904—Pullets, first, second, third, tie fourth; hens third. Atlanta, Ga., January 4 to 11, 1905—First and third pullets, third and fifth hens, third and fifth pens. Ivory soap special \$25 silver cup for best white bird, any age, sex or variety. American White Plymouth Rock Club special silk ribbon for best pullet in the show.

O. E. Michael, Dayton, Ohio, won as follows on his S. C. B. Leghorns at Greenfield, Ohio, January 10-16, 1905: First cock, first and third hen, first cockerel, first and second pullet, first pen; specials for best trio and best cockerel.

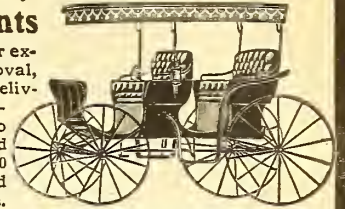
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Elkhart Carriage & Harness Mfg. Co., Elkhart, Indiana.

White Wyandottes and White Crested Polish

Won wherever shown. No stock for sale. A limited number of eggs from the finest in the world. Send for circular and show record.

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Barred Plymouth Rocks Did you Say?



Yes we have them finer than ever if that be possible. We are better equipped than ever to handle our large trade. Our stock is strong and vigorous and in size, shape and color counts we have it, as our matings are finer than ever. Bear in mind the yellow leg strain are prolific layers. We have hundreds of satisfied customers and if you are not satisfied with past results, try us we are bound to please you. We have 25 acres in large runs, well supplied with shade and grass, farm range for young stock; all orders for eggs promptly filled at \$1.00 per 15. \$3.00 per 50 or \$5.00 per 100.

A few breeding cockerels at \$2.00 and \$3.00 each.

J. Frank Tyler
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EGGS EGGS EGGS

Laphams Buff Plymouth Rocks

The WORLDS famous winners, they have won the cream of the prizes in nine large shows this season which is a record by itself. Below are the winnings in the nine shows, 24 firsts, 23 seconds, 12 thirds, 12 fourths, 3 fifths, 1 ninth. Also the American Buff Rock Cup for the best display at Detroit, Mich., January 3-6th, 1905, and the \$15.00 silver cup offered for the best display at International Poultry and Pet Stock Show, Detroit, January 12-19th, 1905, this record includes my recent record at CHICAGO where I won 1st cock, 1st pullet, 1st pen, 3rd and 5th ckl, and 5th hen also the \$35.00 silver cup offered for best display. I will have 15 pens this season that are as fine as can be found. Price from \$2.00 to \$5.00 per 15 eggs.

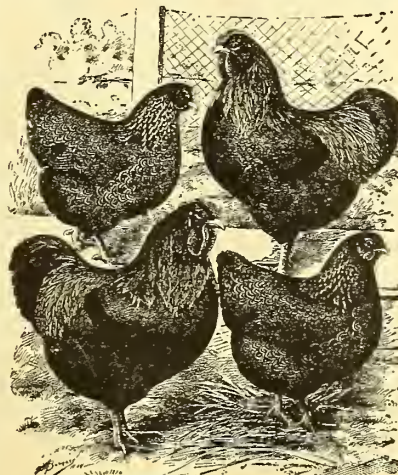
"Handsome illustrated catalogue ready for mailing which will explain each pen. A limited number of show birds for sale. Please mention this paper. Remember the name,

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Dearborn Poultry Yards

S. D. LAPHAM, Prop. Dearborn, Mich.

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1st Hen, 1st Pullet, 1st Cock, 2d Cck, World's Fair 1904.

At the grandest and most gigantic Poultry Show to date, with practically 9,000 birds on exhibition, including Partridge Wyandottes from twelve states, viz: Pennsylvania, New Jersey, Ohio, Iowa, New York, Illinois, Tennessee, Connecticut, Indiana, Nebraska, Missouri and Kansas my birds won eleven prizes on ten entries, including 1st Hen, 1st Cockerel, 1st Pullet, 2nd Cock and 3 specials, best shaped female, best colored female, best colored male. Who can beat it with 10 entries on a single variety?

Send 10c for my 1905 catalogue which is without doubt the most complete catalogue issued to date of this variety. It contains a color plate, taken from life, of a pair of Partridge Wyandottes, suitable for framing; the female represented in this being the first prize hen at the St. Louis World's Fair 1904. This catalog also contains a brief history of the variety telling how to mate for best results and is full of information from cover to cover.

The 10c is to cover cost of the color plate. Mention American Poultry Journal.

W. A. Doolittle

The Partridge Wyandotte Breeder

SABETHA, KANS.

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BARRED PLYMOUTH ROCKS, BRIGHT strain. Eggs from prize winning stock \$2 per 13, \$5 per 40. Eggs from heavy laying strain \$1 per 15, \$5.00 per 100. Good hatch guaranteed.

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MY ROSE COMB BROWN LEGHORNS won first at World's Fair, first at Chicago two successive years. Also first at the Illinois State Show. Get circular describing my matings. Eggs \$2 and \$3 per 13.

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SINGLE COMB BLACK MINORCAS exclusively, thoroughbred Northup strain. Fine large birds; cockerels \$3 and \$5; hens and pullets \$2 and \$3; eggs \$2 per setting of 15; \$3.50 per two settings, \$5 per three settings.

ELM POULTRY YARDS

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WHITE PLYMOUTH ROCKS EXCLUSIVELY. Large, vigorous stock bred for laying and quality. They have the yellow leg and are pure white. Eggs 15 for \$2.30 for \$3.50; fair hatch or eggs replaced free. Express paid.

JERRY WESTWOOD

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Imported Blue Andalusians

First prize winners at leading shows. Also America's choicest strains of Single Comb White Leghorns. Stock for sale. Eggs in season. Satisfaction guaranteed.

3 tf **W. T. NAYLOR, Painesville, O.**



NEIBERT'S BARRED ROCKS WIN AT Fairfield 1st, 2d, 3d and 4th cockerel; Chicago, Dec. 15-19, 3d ckl.; Chariton, 2d and 3d ckl.; Cedar Rapids, 3d and 4th ckl.; Plymouth Rock Club special for best shaped male; also best color male. Send for circular. Eggs \$3 per 15.

W. H. NIEBERT,

Fairfield, Iowa



BUFF ORPINGTONS, PARTRIDGE AND Buff Wyandottes. Birds for sale fit to win in any competition, bred for quality and unsurpassed in harmony of color and markings. Winners of prizes wherever shown. Send for prices, stock and eggs.

J. R. YOUNG

Aberdeen, Miss.



PIFER'S LIGHT BRAHMAS ARE WIN- NERS, scoring to 94.4. Also White Hollands scoring to 96.4 under Shaner. Extra large and clear white plumage. A few pairs of White Guineas left.

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Stock for sale. Cockerels \$1.00 and \$2.00. Eggs 15, \$1.00, 100, \$5.00

C. W. & H. E. HOSMER Union City, Mich.

Stanwood's Barred Rocks..

Winners at the great **CHICAGO SHOW**, January, 1905. Exhibition pullet matings exclusively. If you want eggs from pens that are not experiments, write me.

Eggs \$2 per 13, \$4 per 26

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EGGS FOR HATCHING

from prize winning White P. Rocks, Pekin Ducks, S. S. Bantams and White Guineas. I also have Peafowls for sale. I have mated two yards of White Rocks this year. My second prize cockerel at Louisville, 1905, is at the head of one, and first prize cock the other. Write for prices. Satisfaction guaranteed

T. R. McDONALD R. 1, Winchester, Ky.

A FLOURISHING ENTERPRISE.

A business career of nineteen successful years is something any firm may look back upon with pardonable pride. And, when to the achievements of the past is added the more progressive methods of the present, the outlook for the future assumes a most promising prospect. Nineteen years is certainly a sufficient length of time in which to test public sentiment and appreciation, so much so that the proprietor of "The German Nurseries," Mr. Carl Sonderegger, of Beatrice, Neb., may reasonably expect a continuation and steady growth of the patronage which has enabled him to not only carry on a successful business, but to so increase his facilities as to be able to handle a much larger trade than heretofore.

Mr. Sonderegger is not an advocate of the "something for nothing" policy. He believes that value received merits fair compensation and that it is better to build the reputation of his nurseries on the integrity of his stock rather than the amount offered at a certain price. Consequently, Mr. Sonderegger's new 1905 catalogue contains no offers of cheap seeds to equalize the quality and price. He does, however, make special prices and inducements to patrons which are worth considering by any who need nursery stock. His guarantee goes with his stock and every precaution is taken to insure arrival at destination in perfect condition. It will be well to note the prices and features of his 1905 spring and fall announcement before ordering.

THE BUCKEYE INCUBATOR CO.

For nearly a quarter of a century Mr. James Homan, the proprietor of the Buckeye Incubator Company, of Springfield, Ohio, has been a manufacturer of incubators and brooders. During this time he has made and sold upwards of 50,000, placing them in every quarter of the globe.

This could never have been done had there not been much merit in these machines; merit that has been proven by years of success.

Mr. Homan's idea is to put out an incubator that will meet the demand of the masses—not a high price machine, but a high grade at a low figure. This he is able to do possibly better than any other manufacturer, as he is located in the suburbs of Springfield, Ohio, where he owns and operates his plant, saving rent and many other expenses which are always paid for by the customer. There is no better arranged factory in the country than that of the Buckeye Incubator Company. After the lumber is taken from the drying room it never stops until it is brought to the warehouse a finished incubator or brooder ready to be shipped to some pleased customer.

Mr. Homan's advertising attracts attention for the reason that he makes the claim of 100 per cent hatches. This he can justly do, as he has in his possession thousands of testimonials proving his statement.

There is scarcely a locality where you cannot find a Buckeye. If you will consult the owner you will always find him pleased with the results he is getting and glad to explain to you its several points of merit. The company reports an excess of business this season over any previous year and they will send you, if you write them, their handsome catalogue, which explains more why this is so. Address The Buckeye Incubator Company, Springfield, Ohio.

FOR THE YOUNGSTERS.

The near approach of the season when these interesting little bundles of fluffiness, peep and pin feathers make their appearance in large numbers on the farms and in the poultry yards makes imperative the purchase of supplies for their consumption. While there are so many foods placed on the market this season, it is a pleasure to note the continued success of the old, reliable and well tried Harding's Baby Chick Food.

Something for nothing is a poor policy when the lives of your little chicks are in the balance. The intelligent poultryman will not be induced to buy a poor grade of chick food simply because it is cheap. It is results that tell and he knows it is poor economy to try and save money by losing chicks.

It is one thing to hatch chicks, but after they are hatched the problem is only just begun—to raise them is the next question, and if you would save your little chicks and a very large leak in your expenses don't neglect to include Harding's Uncle Sam Baby Chick Food in your next order for poultry supplies.

THE INCUBATOR AN EDUCATOR.

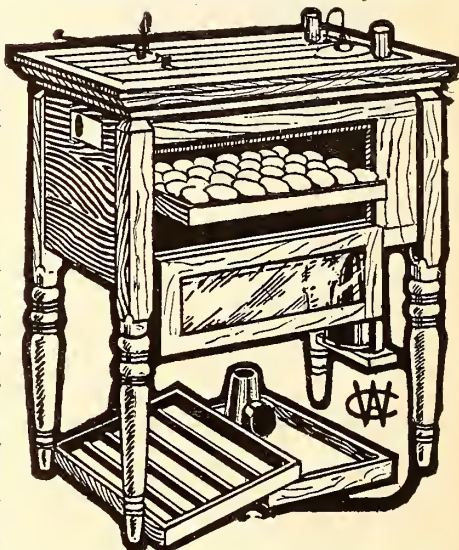
It's not a question nowadays whether incubators will hatch chicks. It's a question which one to buy. There are so many makes on the market that it is hard to give advice on any one special make.

Looking at the history of artificial incubation in America from a critical standpoint the name "Prairie State Incubator" stands identified intimately with its successive stages of progress.

The Prairie State system of incubation is an education. It is not a mass of superfluous head knowledge that never brings profit or pleasure to the possessor. It is a source of continuous profit and pleasure.

Any man, woman or child can apply the plain directions in the Prairie State book of directions and with a Prairie State Incubator and Brooder any farmer, villager, suburbanite or commercial poultryman can make money every day.

The Prairie State Incubator is easy to run. A few minutes' attention every morning and night is all it needs. It is easy to learn from the book of directions how to test the eggs, how to turn and air them, how to get big hatches from fertile eggs, how to avoid the mistakes made by others, and to profit by their successes. The Prairie State needs little attention. It attends to itself. Its regulator is trustworthy and unvarying. It prevents an interior change in temperature because its sensitiveness forestalls variations. The Prairie State system of



ventilation gives warm, fresh, vitalized oxygen to the eggs without endangering them by puffs of cold air either in center or corners.

The Prairie State has been a winner "from the start." From 1886, when Mr. Mix first put his incubator on the market and won the first prize at the great St. Louis show, to the present date, the Prairie State has been forging ahead—a steady winner. Three hundred and twenty-six of these prizes are recorded in the new catalogue with dates. The majority of these were not won by trained operators trained for the purpose, but by local poultry raisers. Some were farmers' wives—genuine poultry enthusiasts; some were storekeepers—some farmers. These enthusiastic people take their own machines in their own wagons. The Prairie State has fulfilled all their anticipations. It had not disappointed them. Consequently they were proud of their ability to select a machine that hatched 85, 90 and 95 per cent of the fertile eggs. Naturally they wanted to exhibit the machine.

The Prairie State catalogue is a library of information on every point for the education of beginners or experts in poultry raising. Any one can get one free from the Prairie State Incubator Company, Homer City, Pa.

Robert Larmer, of Stanberry, Mo., won on his Buff Plymouth Rocks at Chicago Show, Jan. 23, to 28, '05, as follows: 2nd pullet; 3rd hen; 5th cock. At Topeka, Kan., 1st cock; 2nd hen; 1st, 4th pullet; 2nd pen. The cock and hen that won at Chicago have been shown seven times, including Chicago, at the following places: St. Louis, Kansas City and Topeka, and have won every time. The cock winning five 1st, 2nd, 5th; hen five 1st, 2nd and 3rd, and also 4th in world class at St. Louis. This is certainly a fine record.

A 20TH CENTURY WONDER.

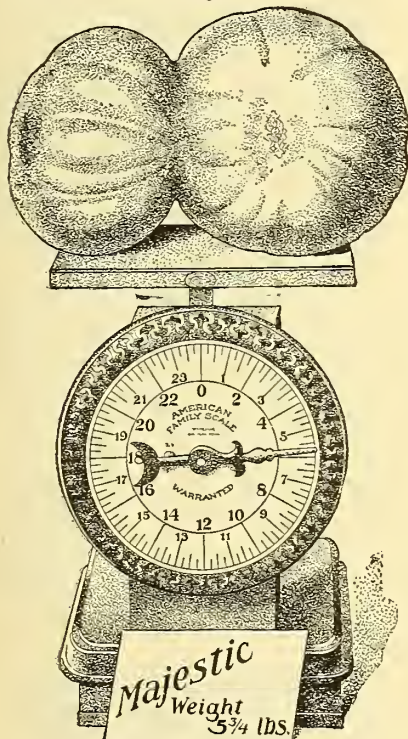
The Cycle Hatcher, a metal machine for hatching chickens, is styled a 20th century wonder. It embraces features not found in any other machine and is a new departure in the incubator world. It was designed to take the place of the hen and is offered as an improvement over wooden machines, embodying principles that cannot be attained with a wooden construction.

Being made entirely of metal and asbestos, it is absolutely fireproof, will not swell or shrink, and is not affected by varying conditions of atmosphere as wooden machines are. It is the result of years of experiments conducted by a practical poultryman with an ambition. His ambition was twofold; he wanted to make a metal machine that would get nearer to the moth-



er-hen conditions in the hatching process, and then he wanted to be able to sell that machine for \$5. Five dollars is a nice, easy price to pay; it's even money and, while it don't leave the manufacturer much profit, he figured that people could afford to buy several of them. In fact, his experience with hatching machines convinced him that three 50-egg incubators were better than one with 150-egg capacity. His reasons for this are interesting and fully set forth in the catalogue advertising this machine.

The Cycle Hatcher, sold for \$5, is a complete machine and includes everything necessary to hatch eggs but the oil. It is made by the Cycle Hatcher Company, of Salem, N. Y., who would like to place a copy of their new catalogue in the hands of every poultry raiser and everybody interested in hatching chickens. They will send it free to all applicants; simply mention this paper when you write.



In regard to the great New Majestic tomato being advertised by the Iowa Seed Company, the following, taken from a personal letter from J. R. Lawrence, the noted horticulturist and experimenter of Massachusetts, will be of interest to our readers. Mr. Lawrence says: "I grew 48 varieties of tomatoes on my experimental grounds last season and the New Majestic produced the largest fruit I have ever grown. The photograph which I send shows one which weighs 3 3/4 pounds. It was somewhat rough and might almost be called a double fruit, but it grew on one stem, was completely joined together and was all one specimen. The plant from which it was taken produced five pecks (1 1/4 bushels) of large,

round, smooth fruits, it being the only rough one on the plant." Heretofore 2 1/2 pounds was considered almost the extreme limit as to size of a tomato, but last season many persons reported that they grew specimens of the Majestic weighing 3 to 5 pounds each. They are so productive and of such handsome shape and fine quality that they are sure to please, and everyone who likes tomatoes should give them a trial. This new variety is being introduced by the Iowa Seed Company, of Des Moines, Iowa. They are offering \$100 in cash prizes for the largest tomatoes grown this year and we hope our readers will all compete. Better write today for a copy of their large illustrated catalogue of garden and farm seeds, which will be sent free to you if you mention this paper.

DEFINITE POULTRY RECORDS.

Keep a book, Mr. Fancier. Mr. Poultryman, Mr. Farmer. Those who have a habit of making accurate records of the laying of their hens, of their age and value, never can be persuaded to give it up. And there's a reason. Because it makes them more systematic in all their dealings with their hens. It shows them in "black and white" the cost, profit, amount of feed, cost of supplies, number of hens alive, number dead, number hatched, etc.

These records can be made best in connection with trap nests and Myer's Ideal Aluminum Leg Bands. The leg band question is an important one. The poultryman should select the one that neither irritates, poisons or binds the skin or muscles of the fowl.

Mr. Myer's band recommends itself in that it is easily adaptable to every outline of leg—rough or smooth. It is light, neat, strong, durable. It cannot come off unless intentionally removed, yet is easily and instantly adjusted. It cannot oxidize, irritate or abrade the scaly formation of the leg. The fowl feels no nervous inconvenience. This band has a double clutch which effectually prevents its loss.

Mr. F. O. Wellcome, well known in poultry circles, writes thus: "We utility men require a leg band for our birds that will stay on indefinitely and will not injure the feet or legs of the birds. If we are keeping individual records, and a number of bands lose off, there is a mixup and very likely valuable records are lost. I lost a number that way before I got your band. I lost over ninety out of one hundred of a certain well known band in two years. The Ideal Aluminum is the only band I ever used that is sure to stay on until purposely removed. We want a band that can be read quickly and accurately without a microscope and can be taken off without injury and used again. The Ideal Aluminum has answered my requirements for a thoroughly practical business leg band, both for my own use and to furnish my customers in connection with my trap nest outfits. I did not select it on account of its name, but because I had to have it."

Mr. Myers is having phenomenal success this season. These bands have been obtainable only for a comparatively short time, yet his orders this season will run up to the half million mark. Mr. Myers is located at Freeport, Ill. He sends a sample band free and a complete circular on Barred Plymouth Rocks to any one mentioning this paper and sending a 2-cent stamp for mailing.

S. C. BROWN LEGHORNS.

Edwin W. Staebler, 36 Tremont street, Cleveland, Ohio, one of AMERICAN POULTRY JOURNAL's old advertisers, is announcing this month in his ad on the inside front cover sales of his cockerels and pullets; also trios and pens at remarkably low figures when the fact is considered that he has been a winner with his birds wherever they were shown. He is also fully prepared for egg orders, and readers of AMERICAN POULTRY JOURNAL will make no mistake in sending their orders to him.

The pens and trios he is advertising are good value for any one starting with Brown Leghorns. They do not consist of old hens, either. He is satisfied to sell good stock at small profits, as he wants to make room for some breeders, his space being limited on a city lot.

A party to whom he sold a pen early in January, 1905, wrote "the chickens came through all right; they are all O. K. They laid the first day." This proves that his stock is satisfactory.

Mr. H. C. Houser, 633 W. Sixty-second street, Chicago, expert breeder of S. C. W. L. has a few farm raised cockerels and pullets for sale. Mr. Houser is now able to furnish eggs by the setting, 100 or 1,000 from choice breeding birds. Satisfaction or money back.

400 ROYAL BLUE

Barred Rock... COCKERELS

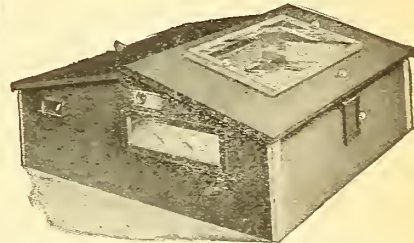
Big, strong, vigorous, well marked breeding birds that will improve your flock. The ROYAL BLUE Barred Rocks have won at America's greatest shows for 20 years, and at Boston, Jan., 1905, they outclassed all competitors.

Those who win at the big shows have the Royal Blue Strain. It has always been the best.

A. C. HAWKINS

Lock Box 25, Lancaster, Mass.
See ad on back cover.

Rouses' Perfection Brooder



Price, \$7.50. Catalogue free. Simple, convenient, practical. W. L. Rouse, Manufacturer, 157 La Salle St., Chicago, Ill. Chicago Poultry Supply House Distributor, 647 Lakeside Bldg., Chicago, Ill.

FARM POULTRY YARDS

	EGGS	\$1.00
15		
30	"	1.75
60	"	3.00

Two med. nest eggs with each order.

Golden, white, Silver and Buff Wy.: Rose and S. C. Brown and Rose and S. C. White and S. C. Buff Leghorns; Barred, Buff and White P. Rocks; S. S. Hamburgs; Red Caps; Anconas; W. F. B. Spanish; Golden and W. C. B. Polish; S. C. Black and White Minorcas.

C. I. Games; Rose C. Black and Rose C. White Minorcas; Rose Comb R. I. Reds and G. S. Hamburgs, \$1 for 13; \$2 for 50. Pekin Ducks 75 cents for 9.

Most of our poultry is kept on separate farms, therefore the eggs are fertile, and the chicks strong and vigorous when first hatched. A fair hatch guaranteed or order duplicated at half price. Circular free. 25 years as breeders. Whitney Bros., Triangle, N. Y.

Premium Stock Poultry Yards

Fertile EGGS 15 for \$1

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

A. STARZINGER, Prop.

Carbondale, Ill.



QUALITY Apple Trees

Plant Harrison stock and plant the best. York Imperial, Ben Davis, Early Harvest, Baldwin, all varieties for all seasons. Give us your next order and compare trees with others

The Ray Peach

Choice new kind. Best for market. Fresh, delicious, with red blush. Full, regular bearing. Elberta, Chaire, Crawford Late, Francas and all other good varieties come to perfection in our climate. Send for free 1905 catalogue. You'll plant better trees. HARRISON'S NURSERIES. Box 65 Berlin, Md.



DID YOU KNOW

THAT THE

WHITE ROCKS

That have won the big prizes and sold for the big prices at the **NEW YORK SHOWS** for fifteen years were the product of my strain? They were the descendants from sports from the **Royal Blue Barred Rocks** and inherited the winning habit that has made the **Royal Blue Strain** famous. I can sell you **EGGS** and **BIRDS** that will produce

WHITE ROCKS THAT WIN**A. G. HAWKINS****Box 25 Lancaster, Mass.**

See ad on back cover.

DONOVAN & BURNS Successors to
JOHN H. BOSCHEN & BRO.,
246 Fulton St., N. Y.

PIGEON AND POULTRY FEED

Wheat	Kaffir Corn	Eng. Maize	Flint Corn
Broken Rice	Buckwheat	Peas	Millet
Rape Seed	Hemp	Tick Beans	Canary Seed
Lentils	Vetches	Hulled Oats	

SPECIAL

Ariston Chick Feed,	100 lbs.,	\$3.00
Ariston Pigeon Grains,	100 lbs.,	2.50
Ariston Squab Mixture,	100 lbs.,	2.00

Send for prices. Prompt shipment and quality guaranteed.

Rose Comb R.I. REDS

A few extra choice pullets with score cards. Will be equipped in grand shape for egg trade. Write me. Pullets from from 91 to 94½

E. J. ROOD,**Webster City, Iowa.**

NOW IS THE TIME To begin making calculations on your poultry matters for the coming season. I am still in business with either birds or eggs of the **Rose Comb Brown Leghorns, Barred Plymouth Rocks and Buff Orpingtons and Silver Laced Wyandottes** and have stock that has scored as prize winners at the Nebraska and Colorado shows, and at St. Louis Exposition. Write me your wants and I will guarantee to suit you as to quality and price. Have nothing to give away, but have first-class stuff at reasonable prices.
JAS. H. TROUGH,
Pleasant Hill Poultry Farm, Minden, Neb.

1889 EGGS FOR HATCHING 1905**Bradley Bros. Barred Rocks**

Barred to the skin. Pens headed by males direct from "BRADLEY BROS." yards in 1904-5. **White Wyandottes** "Hawkins Stay White." "Duston." Strains **BRONZE TURKEYS** 40 lbs., "National Pride of the West" strains. **PEKIN DUCKS**, large excellent quality best blood. Write me for further description and prices of eggs.

R. R. No. 1, Pearl, Ill.**MRS. A. J. COLVIN****WHITE ROCKS WYANDOTTES**

Hawkins and Jefferson

WHITE INDIAN GAMES

Bicknell

BUFF ORPINGTONS

Cooks Rocks Shaws

Here's what you are looking for something good at a very low price. The direct progeny of New York and Chicago winners **Eggs \$2.00 per 15, \$5.00 per 50**

C. L. McFERREN,**BELLVILLE, O****CANADA'S BEST BUFF LEGHORNS**

again sweep the deck at Chicago, 1905. All firsts on male birds. American Buff Leghorn Club Cup and Association Cup on collection. Send for mating list
KATE K. CORNWALL, - - - **Thamesville, Ont., Canada**

CORNELL INCUBATOR MANUFACTURING CO.**Capital \$250,000. Ithaca, N. Y., U. S. A.**

The Cornell Incubator Manufacturing Co. finds great satisfaction in offering to the poultry fraternity its 1905 Automatic Moisture Incubator, the culmination of a series of carefully conducted tests and experiments.

The new Cornell of one-inch solid chestnut is a machine built for business—one that will give perfect results to the market poultryman as well as to the amateur breeder. It embodies all of the progress achieved in the science of artificial incubation during the past decade, supplemented by the Cornell improvements and exclusive patented features. It is a handsome cabinet finished machine and is as good as it looks.

No expense has been spared in making it thoroughly durable and attractive, and the inside construction is such that its makers will guarantee it will hatch every egg fit to be hatched. In order to meet the great demand for the new Cornell the company has been obliged to increase its capital from \$100,000 to a quarter of a million dollars. New machinery of the most improved type has been installed and nothing has been stinted to make the new Cornell perfect, both inside and outside.

A great defect, which has hitherto appeared insurmountable, has been the very large percentage of "dead chicks in the shell" which an incubator operator found in his machine at the conclusion of each hatch instead of the much desired healthy, lusty chicks. The new Cornell patented moisture device which pours pure warm moist air through the heater into the hatching chamber successfully avoids this evil and rewards the operator with a healthy chick for every egg with a good strong germ that has been placed in the machine.

The new Cornell is provided with a removable egg chamber top, split removable bottom nursery trays, slatted bottom and patented safety banked air valve. These improvements not only permit the operator to thoroughly clean his machine after every hatch but also insure to the growing embryo the necessary ventilation to assure a successful exclusion.

The new Cornell thermostat of zinc and steel is as sensitive as a thermometer and will follow it, rapidly and accurately, up and down. One of the very important points for a successful hatch is the uniformity of temperature in the egg chamber; to this end an accurate thermostat is an essential feature, and this is thoroughly provided for in the new Cornell.

The Cornell is constructed with a two-inch dead air space packed with cotton between the egg chamber and the outer wall, and the hot air box is insulated by alternating layers of laminated cotton and cardboard. It is also provided with a patented table top, protecting the finely adjusted regulator mechanism from all outside interference, and making it possible for the operator to place his trays on the machine when cooling and turning the eggs, without any danger of disturbing the regulator arm. This is a most important, valuable feature for the large poultry farm, as it obviates the necessity of providing tables on which to cool and turn the eggs; it saves a great deal of expensive and valuable space and permits the operator to make his incubator cellar of a size to suit his machines only, at a great saving in the item of space and construction.

The piano fitting legs are also a very important feature in the Cornell construction. Each leg is provided with a 7-16 screw hanger which securely fits into a nut, set into each corner of the machine and into which the leg is screwed easily and securely without tools or trouble. Another valuable and exclusive feature is the lamp hanger of spring steel, which holds the lamp burner securely pressed up against the lamp chimney of the heater; it will bear a weight of at least twenty-five pounds exceeding that of the lamp. We really believe it is the only safe and reliable lamp hanger that has ever been placed on the market.

The Cornell heater is insulated by a 2-inch asbestos jacket and capped with a cast iron crown, making it impossible for the heater to become dented or damaged, as is invariably the case with heaters not fitted with this crown. The perfect insulation of the heater also works an important saving in the oil bill; we venture to say that the Cornell heater will save the operator at least 33 per cent of his oil.

The Cornell Incubator Manufacturing Co. invites intending purchasers to inspect their factory and thoroughly look over the machines in process of construction; it is their aim to make a reliable, honest ma-

chine that will do the work thoroughly and to the satisfaction of every user.

The Patented Peep-O-Day and New Homestead brooders are also made by the Cornell Incubator Manufacturing Co. The Peep-O-Day is so well known that it hardly seems necessary to even say a good word in its favor. At some of the government agricultural experiment stations and on many of the large poultry farms the Peep-O-Day brooder is rapidly displacing the old-time hot-air piping systems in the brooder houses; it is safe to say that the Peep-O-Day is the only dependable machine that has ever been placed on the market. It is provided with a lamp that will not smoke under any weather conditions and one that will keep the brooder at the temperature set by the operator, both indoors and outdoors.

The Cornell Incubator Manufacturing Co. desires to call your especial attention to their 1905 brooder and colony house combined on runners. It is, so to speak, a complete poultry plant in itself that will take care of the chicks from the moment they are taken from the incubator to the time they are ready to go into winter quarters.

The Cornell Incubator Manufacturing Co. have recently established a feed mill where they prepare their own chick and poultry foods and alfalfa and clover products. Their foods are made of sound, wholesome grain, with the best improved machinery and skilled labor. The Cornell chick food contains not a particle of grit, oyster shell or charcoal, and they are proud of the claim in being the first manufacturers to offer the poultry fraternity grain and grain only—at the price of grain.

The Cornell Incubator Manufacturing Co. manufacture a full line of poultry houses, coops, poultry supplies and remedies and will be pleased to send their catalogue and supplement free to all those who will inquire for it.

UNQUALIFIED SUCCESS.

The above are the terms employed in a recent announcement issued by the Ohio Incubator and Brooder Company, of Columbus, Ohio, to indicate the condition of their last season's business.

After thanking their customers for a generous acknowledgment of the merits of Ohio machines as demonstrated in actual use they bespeak a continuation of patronage and an increase of business for the coming season.

New improvements in appearance and operation have been added and the ventilating system slightly changed. A host of testimonials from pleased customers, together with a very flattering list of prizes taken at various exhibitions, are offered as reasons why the Ohio product is a safe, valuable and money-making investment for any poultry raiser.

Chapman & McQuillande, of West Hartford, Conn., made the following winnings at Herald Square, New York Show on White Rocks: Second and third cock; first and second hen; first, second, third, fourth and fifth cockerels; third, fourth and eighth pullets; second and third pen, meeting and defeating the breeders that won the first prizes at the Madison Square a month later. Their winnings of first, second, third, fourth and fifth cockerels is liable to stand good at any time at any show of importance. They also won the special for best display of Plymouth Rocks.

They were a little unfortunate in their string of Barred Rocks at this show, as the birds were delayed in transit and were not placed in the show room until about ten minutes before ribbons were put up, and consequently did not show up to the best advantage. However, on six entries they won sixth cock, fifth hen, third cockerel and second pen.

At Boston on one entry they won fifth on pen of Barred Rocks. At Hartford, Conn., in competition with a number of winners at Madison Square, they won on Barred Rocks first cock, first and fourth hen, third and fifth pullet, first pen, the championship cup offered by the American Plymouth Rock Club for best cock, hen, cockerel and pullet; also ribbon for best shaped bird in class; silver cup for best cock and two hens; special for best bird in class, and \$10 gold specials on first pen.

J. A. Leland, of Springfield, Ill., writes that he still has about fifty Rose Comb White Leghorn cockerels and pullets ranging from utility to first-class breeding birds for sale at right prices and they are bred from winners at Chicago, Peoria, Springfield and St. Louis, and offers special bargains in cockerels for the next thirty days. He also has a few useful Light Brahmas at right prices. A circular will be sent to any one who writes for it.



AXFORD INCUBATOR CO.

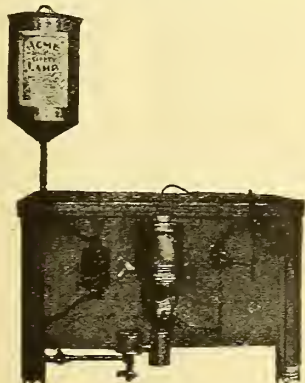
The coming to the front of this pioneer machine of the Axford Incubator Co. is an interesting event in incubator manufacturing circles and for poultrymen. The Axford incubator has been manufactured and on the market for over thirty years.

Visitors at the Chicago shows and other shows in the neighborhood of Chicago remember this machine, which has been on exhibition for a good many years, and have watched the successful hatches that had been taken off during the shows. At the last Chicago Show, January, 1905, this exhibit, with its round machine constantly in motion, showing all phases of incubation, was a great center of attraction.

Recently Mr. Shoreen has become personally and financially interested in the Axford Incubator Co. He spent his first years on the farm and for a number of years was interested in the wholesale and retail grocery business of Chicago, and has at all times been found energetic and pushing ahead and sure to come to the top, no matter what he undertook. Mr. Shoreen is also a mechanic and a poultryman, and in becoming interested with the Axford Incubator Co. has laid aside all other dealings.

THE SECRET OF THE WONDERFUL SUCCESS OF THE ACME COMPOUND REGULATOR AND ACME AUTOMATIC SAFETY LAMP.

It is quite natural that the man who devotes his every talent, every energy, every moment of his time to one thing, sticking to it tenaciously, will invariably make it a great success. The time was when a man could be jack-of-all-trades, but



times have changed. This is an age of specialists and specialties. The old family physician used to treat the dozen and one diseases. Today we have the specialist for each disease—the eye specialist, the throat specialist, the stomach specialist, and so on.

What has brought about this great

and from now on will help to push to the front one of the oldest incubators in existence. He has attended a number of poultry shows during the last few months and everywhere has met with very promising results, owing to the standard of the Axford machine.

We give above an excellent illustration of the Axford manufactory at Forty-fifth street and Cottage Grove avenue, Chicago, as well as good portraits of Mr. Axford and Mr. Shoreen. This is an enterprise that is founded on merit, one that has been quietly going on for years in a more or less extended capacity, but now comes before the public with a strong invitation for patronage.

A new catalogue has just been issued, beautifully printed and finely illustrated in colors and containing many testimonials from satisfied customers. One of the most interesting illustrations in the catalogue is a reproduction of the diploma given in 1875 by the Nebraska State Board of Agriculture at Omaha, Neb., for the best steam chicken hatcher. This is an indication of age and reliability of this machine. A copy of the new catalogue will be sent to any one writing them and mentioning AMERICAN POULTRY JOURNAL.

change? A demand for better service, for higher efficiency. No man can master all things, but most men can master one thing, if they will apply themselves persistently and wisely.

As in the physician's profession, so it is in the incubator manufacturing business. The man who makes a specialty of making some special parts of the machine, the regulator and lamp, for instance, will naturally become more proficient in the manufacture of those parts than the man who undertakes the making of the whole machine. He concentrates his ability on one thing, his one purpose is toward one end—the highest efficiency, and his perseverance and continued effort are certain to bring his reward.

CUT. It is the result of this special devotion to one thing by Mr. H. M. Sheer, of the H. M. Sheer Company, of Quincy, Ill., that has produced the wonderful degree of efficiency of the Acme Regulator and Acme Lamp for incubators, and it is the real secret of their thorough practical success. In view of this fact it is not so surprising that they are so far in advance of any other incubator regulator and lamp. They are the product of the only regulator and lamp specialist. They represent over fifteen years' continuous application, experimenting, developing to practical perfectness. They were good inventions when first brought out, ahead of anything then; they are fifteen years better today and far ahead of anything now.

C. C. Randleman, of Ramseur, N. C., won at the Charlotte Poultry Show, January 17 to 20, 1905, as follows: Barred Plymouth Rocks, 205 in a class—First cock, first hen, first pullet, third cockerel and the silver loving cup for the best cock, hen, cockerel and pullet in the show; competing against the Biltmore Farms and the best breeders in the South.

Proper Care and Feeding of Poultry.

The above is the title of an entirely new book, just from the press, which covers the entire subject of raising all classes of poultry. A compact little manual of 32 pages, written by an expert poultry raiser, treating of the starting of the young of all fowl, their wants, habits, common diseases, treatment, feeding of all ages and all classes of fowls, etc. No other work ever written gives so much and such reliable information in so small a space. As a special offer and for a limited time, this invaluable little work will be sent, together with one year's subscription to a 50 cent first-class poultry paper, for twenty-five cents. You may not see this offer again. Take advantage of it now. Address, J. S. Gilcrest, Dept. 1, Des Moines, Iowa.

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Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free, you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work absolutely sure. Write at once. ROYAL MANUFACTURING CO., Box 758, Detroit, Mich.

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is made in 6 sizes
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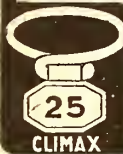
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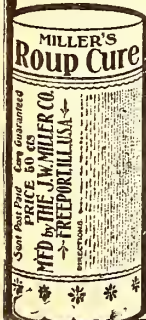
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A SENSATIONAL SHOW RECORD.

One of the most sensational events in the show room this season was the wonderful winning made by Ross C. H. Hallock, St. Louis, Mo., on his White Wyandottes at the great show at Madison Square Garden, New York—first cockerel, first pullet, first hen, first pen and first collection on entries—a feat never before accomplished at this show. What makes this winning so extraordinary is the competition he was "up against." There was a total of 483 White Wyandottes on exhibition, twice as many as any other variety—250 more than at the same show last year. It was without doubt the best class for quality ever gotten together. In breeding pens there were 36 fine birds to each pen, shown by 35 different exhibitors. The pullets in Mr. Hallock's first prize pen—the only pen he entered—matched so evenly that many who saw them remarked that they resembled peas in a pod. He sold the cockerel heading this pen for \$200 and one of the pullets for \$100, making a record price on a pair of White Wyandottes. In hens Mr. Hallock only entered one, on which he won first. In cockerels and pullets he entered two each. Mr. Hallock also showed one cock bird the sire of his winning cockerels and pullets. This bird should have been placed, nevertheless. Mr. Hallock will breed from him this season; as he knows what he will do, and anyone wise enough in buying eggs from Mr. Hallock will no doubt be able to make the same winnings. Mr. Hallock's birds are all that nice blocky, stay-white kind that all White Wyandotte breeders are looking for. Flakes and brassy plumage are unknown quantities with Mr. Hallock. His male birds are good size, pure white plumage, nice, curved, broad backs, full breasted and bright yellow shanks. His females are broad in back, good combs, good cushion and short tails well spread. In fact, the eleven birds shown by Mr. Hallock conform as nearly as possible to standard, and he tells me he has many more good ones for sale. His breeding pens are now all mated up with his prize winners, including several brothers and sisters of first cockerel, first pullet and first hen.

Mr. Hallock did not show at the great Chicago show of 1905 owing to the fact of being a judge of the White Wyandotte class. Judging from the way he placed the ribbons he certainly knows his business. He gave perfect satisfaction to all exhibitors—something rare. We absolutely did not hear a complaint from anyone. His winnings at former Chicago shows are well known, therefore do not need mention.

Mr. Hallock is secretary of the White Wyandotte Club, an energetic gentleman who conducts his business on business principles. Readers of this journal who are in the market for either stock or eggs will do well to correspond with him.

J. BRINKAMA.

To the Members of the American Red Club:

The first regular annual meeting of the American Red Club will be held in October next at Hagerstown, where the A. P. A. will hold an adjourned meeting and where there will probably be a notable gathering of poultrymen.

F. D. BAERMAN, Sec.

Dunellen, N. J.

THE CARE OF THE FOWL.

The old adage, "Cleanliness is the next thing to Godliness," could not come home more forcibly in any other line of business than in the poultry business. Without cleanliness the poultryman might just as well get out of the business, for it will prove a big losing venture to him. So many people who start in the poultry business think if they only get good stock all they will have to do is to fold their hands and sail to riches on flowery beds of ease. But one who wishes to succeed in the poultry business must always be on the jump from morning till night. After the day's work is done it is a good plan to make note of the things to be done the following day so that it may not be forgotten, but done.

When I started in the business I put up good houses, weather boarded and plastered them, thus making a very warm house.

Following I will give a brief description of how I feed and tend to my fowls. First of all, let me say that I have regular hours for feeding and when their feeding hour arrives it is amusing how they will watch for the coming of their feed.

I have a dropping board under each roost, thus keeping all droppings from the litter. Three times a week I clean the board off thoroughly and spray with some good liquid lice paint. The floor is covered with about two inches of sawdust, then over this is scattered six or eight inches of straw or chaff. This also is cleaned out weekly and a fresh supply furnished. One morning I feed stale bread, soaked in warm water, adding some good poultry food. Next morning it will be a wheat bran mash with the poultry food. Next morning I give rolled oats or boiled barley with the poultry food and so on successively throughout the week. At noon wheat and oats equal parts is thrown in the litter which affords good exercise for the fowls. Then at two o'clock I feed cabbage or scalded clover, sometimes boiled potatoes. In the evening I feed whole corn, wheat and oats equal parts. After the fowls have gone to roost I scatter some wheat and oats in the litter so they will have some exercise in the early morning to warm them up. I always have an abundance of grit and oyster shells placed where they can easily reach at all times. I never let their drinking water get cold, but furnish them with nice warm water as high as twelve times a day in cold weather. I add a few drops of aconite two or three times a week. My fowls are the S. C. Brown Leghorns. My pullets began laying Oct. 15th and have been working all this winter. I attribute this solely to my care of them.

DR. O. G. CRAWSHAW.

Dawson, Pa.

FRESH AIR.

Plenty of fresh air for the chickens. It is a great mistake to build the poultry house too tight; there must be some ventilation, and the best place to make your ventilation is in the highest point, south side preferred. If the walls of your house are damp and frosty in zero weather, the ventilation is wrong, and poultry cannot thrive under such conditions.

W. H. MILLARD.

Geneva, Ill.

Questions and Answers

Questions asked by subscribers will be answered in this department.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in your next issue of the AMERICAN POULTRY JOURNAL: 1. How much by weight should I feed to 16 fowls of this ration composed of 5 lbs. bran, 5 lbs. middlings, 5 lbs. oatmeal and 5 lbs. linseed meal with green cut bone and alfalfa meal for a mash in the morning, and how much by measure should I feed the following grains, oats and barley at noon and corn, oats and barley at night?

2. How much floor and yard space in square feet should I give to 16 fowls taking into consideration that I am living in town where I am crowded for space and cannot give them free range?

Stanwood, Iowa. S. S. S.

1st. The average fowl will thrive on about 4 ounces of soft feed. You have too much linseed meal in proportion to the other feeds. About one-half pint to a fowl is considered the right amount of grain.

2d. Each fowl should have 10 square feet of floor space; therefore you should have 160 square feet for your 16 fowls. Where careful attention is given the fowls, less space may be used. The yard space should be at least double that of the floor space.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer this question through your questions column. When our little chicks are hatched off there is something like a common flea only smaller (black), some call them stick-tights. They get all around the eyes, comb and then get under the wings, but generally kill chicks before they get there. While you are handling them if they get on you they stick on your flesh and are hard to get loose and when loose they hop like a flea. Please tell what they are and a remedy for destroying same.

Loganville, Ga. W. A. B.

We believe this is what is known as the chigger-flea. Lard and a little kerosene oil has proved very effective in removing this pest.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Can you advise me of any particular points in the treatment of eggs in crates placed in cold storage, for several months? That is, to have the eggs come out in first class shape. You might also state the uniform temperature of the room to produce that result.

Port Jervis, N. Y. Mrs. A. N. S.

Eggs must be perfectly fresh when placed in cold storage, and if the temperature is kept even they will come out in good shape. The temperature should be about 40 degrees.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer the following question in your valuable paper: I have some S. C. R. I. Red pullets which

when dressed for market do not have a bit of meat on the breast.

They mope around and hang their wings down and seem to be weak, even sometimes the wind will blow them over. I have a good mixture of grain including wheat, oats, corn, barley, bran, animal meal, green bone and oyster shells. Woodfords, Me. G. B. G.

The indications are that your fowls have a large crop of lice on them. Try some good lice remedy and watch the effect.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer the following questions in your question and answer department:

No. 1. Is the following remedy a good roup cure? Equal parts sweet oil, turpentine, gum of camphor and kerosene, injected into nostrils and throat?

No. 2. If you know of a better remedy please give it to me.

No. 3. Is quinine a good remedy to use; if so how much?

No. 4. Should I use anything in drinking water? What is the best remedy?

No. 5. What is the best remedy for canker?

No. 6. If hens freeze their combs will it stop them laying till their combs get well?

No. 7. When shipping fowls 600 or 700 miles is it necessary to put feed and water in the coop? It looks like when the express companies handle them they would upset water in cup. Do they water and feed the fowls for you?

No. 8. How do express companies charge for shipping fowls, by the pound or by the hundred pounds? Do they charge by the mile or by 500 miles? If they charge by the 500 miles, would they charge twice as much for 600 miles?

No. 9. Is there a poultry journal called (The Industrious Hen)? Can you give me the correct address, as I would like to get a copy of it.

Cincinnati, Ohio. A. G. S.

No. 1. Yes. Read article on roup in this issue for answer to questions 2, 3, 4 and 5.

No. 6. No.

No. 7. A drinking vessel should be fastened in the coop, and a small sack of feed tied on the outside. If this is done the express company will feed and water the birds.

No. 8. Charge is made by the hundred pounds.

No. 9. Yes. Do not know the address.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer through the columns of your paper the following question: What is the matter with my chickens? They have a swelling at the knee or ankle and there is a gathering and when I pick it, it stays down for a day or so. It is a sticky, watery substance that comes out. Chickens eat

Sharple's Tubular Separators



Only Bowl With Proper Bearing

All "bucket bowl" separators have incorrect bearings. The bowl is set upon the spindle and held upright by rigid bearings. Such bowls are top heavy, inclined to wobble, sure to bind.

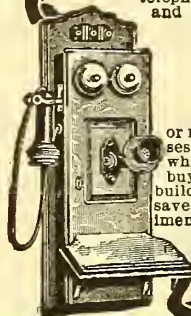
Tubular bowls, only, are properly supported, being suspended from and turning upon a single ball bearing. A breath almost turns them. They cannot wobble or bind. Catalog L-205 tells all about them.

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Facts are what the farmer wants, whether buying a team or a telephone. If you want to know how others have built successful telephone lines write for free book 81. Our book 81 "Telephone Facts for Farmers" gives the facts you ought to know about telephones for farm use, and whether you buy



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Drawer 80, Des Moines, Iowa.



and drink well and combs are red, but they don't lay. Please let me know what to do for them. P. L. M.

Schenectady, N. Y.

Your fowls are suffering from rheumatism in an advanced stage. As rheumatism is usually caused by exposure to cold and dampness you should at once remove the cause. Affected birds should have frequent change of ration with plenty of green feed. Begin treatment with a dose of Epsom salts, 20 to 30 grains. The following day add 20 to 30 grains of bicarbonate of soda (baking soda) to the drinking water and give 2 or 3 grains of salicylic acid twice a day. Apply camphorated or carbolic ointment to the affected joints. The birds that are seriously affected would be better killed than treated, and the main reliance must be under any circumstances in prevention by securing proper sanitary conditions.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you kindly answer the following question in your "Question and Answer" department? I want to cross my Brown Leghorn cockerel with a W. P. Rock hen. Would you let the cockerel run with the W. P. Rock and Brown Leghorn hens at the same time? When will the New Standard be ready? N. Vassalboro, Me. J. E. J.

We never like to see two good breeds of fowls spoiled in this manner, and cannot see the object in it. But if you so desire, all that is necessary is to put your White Rock hen in the pen with your Leghorns. New Standard will be out this month.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please tell me in your Question and Answer columns how to ship chicks that are just hatched? Would a common box be all right? Also,

I have a Brown Leghorn cockerel that shakes his head and while so doing he walks backwards. He eats good and seems to be all right otherwise.

Belchertown, Mass.

A common box is all right, but sides should be lined with flannel, and a number of holes made in cover for ventilation. Cockerel probably has something lodged in his throat, or has a slight cold which is affecting the air passages.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer these questions in the columns of your valuable paper: Last summer I packed down 50 doz. eggs in waterglass (1 gal. waterglass to 10 gal. water). I used an old beerbarrel to pack them in which I clinched good. A while after I had packed them down the waterglass turned to a yellow color and it was thick like paint. Is that the way it always turns out? Now I took them off after they had been in for 8 months and found every one fresh, but when I boiled the shells broke in the water. Do you think I have done it right or not?

For packing down eggs in waterglass you recommend earthenware jars to be best. Would not a new barrel or even a salt pork barrel well cleaned be just as good? Why not?

Clark Station.

As your eggs came out fresh you should be the judge whether you done the work right or not. We believe pork barrels would be all right for this purpose.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please state in your "Question and Answer" department, if it is possible to cure a bad case of canker in poultry, if so what is the remedy? I have a B. P. R. rooster that is troubled as follows: He had a lump

about as large as a pigeon's egg in the throat, which when I first observed him, was covered with a thick coating of the cheese matter almost choking him. He must have been in this condition for some time as he was very poor. I took him from the other chickens and have been treating him as follows: Each morning for the last three weeks have removed the cheese matter and applied powdered borax and burnt alum, equal parts. The lump in the throat is eating away, but the cheesy matter continues to form and the last few days there has been a swelling in the corner of the mouth with a little sore. Since I began to doctor him he has got up to a good condition and has a fine general appearance, plumage and comb.

Montpelier, Idaho.

J. S. R.

Your method of treatment is very good; but you might have better results by using a ten per cent solution of borate of soda or boric acid, 15 grains to the ounce of water. These solutions should be applied quite frequently.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I have struck a snag. Had hen that had swell head on one side, eye closed, found canker in throat; difficult breathing. Took her by feet, let head drop down and blood flowed out to the amount of tablespoonful, so I cracked her neck. I would like to have you give name of diseases and how to treat same.

C. B. W.

Brownsburg, Ind.

See article on roup in this issue.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer the following question in your journal:

I have a hen house 12x12 in which I have 20 chickens. It is four double, the outside wall is drop sheeting, the next tar paper, the next plain boards,

YOUR HENS WILL PAY

Bigger poultry profits if they are properly housed. Don't think it necessary to invest a fortune in a poultry house. Use for the roof and sides the genuine

PAROID ROOFING

It will last longer and wear better than any other ready roofing, because it is better made clear through—better stock, better saturation, better finish. That's why it's used by the U. S. Government and by leading railway systems and manufacturers. It's weather-proof, wear-proof. Anyone can lay it in any kind of weather and it "stays put." It contains no tar—slate color. If you are looking for Quality and Durability you'll be sure to insist on Paroid—the roof that lasts—and not take a cheap imitation. A complete roofing kit in every roll.

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and book on "Building Economy." It tells how to construct buildings at low cost. It will save you money. *Established in 1817.*

F. W. BIRD & SON,

East Walpole, Mass.

Monadnock Bldg., Chicago.



and the next tar paper, but I have no air space in between and there is always a heavy frost sets on the inside at night and in the day time it melts and thus my house is always very wet inside but it is not cold. I do not have a ventilating shaft in it. I wish you would please inform me what to do to keep it dry. Hoping you will oblige me.
J. T.

Neeah, Wis.

You must arrange to give your house better ventilation. Keep one or more of the windows open during the day, and unless the weather is very severe leave one open during the night. Have your roosts so arranged that no direct draught will strike the fowls from the open window. This can easily be arranged by hanging a burlap curtain in front of roosts.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer through Question and Answer department the following:

1. How old must a pullet and cock-
ere be till they are no more pullet and
cockere?

2. Is fine raw rice good for little
chickens? If so, how should you feed
it?
S. G.

Glen Rock, Pa.

1st. One year old. 2d. Yes. Cooked
rice is better.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please tell me
whether the Bronze or the White Tur-
keys would do best in our part of the
country?

Some one told me that the White
could not stand the cold so well as the
Bronze. Is this so?
G. B.

La Fargeville, N. Y.

We believe that the one variety will
stand the cold as well as the other.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please advise in your Feb-
ruary issue, if possible, the best reme-
dy known to you for frosted combs,
mode of treatment, etc., and oblige,
Birmingham, Ala.
S. H. B.

Liberal application of carbolated
vaseline will generally do the work.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in your
question and answer department, is
lime or old plaster hard enough to make
good grit?
J. J.

Colden, N. Y.

No. Broken crockery or sharp gravel
is better.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—When you can't get green
bone, what is a substitute? Will bone-
meal do?
F. L. M.

Pendleton, Ore.

Bone meal is very good; but blood
meal or dried beef scraps are better.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Occasionally this winter a
few of my hens have run at the nostrils,
and their breath has been quite offen-
sive. Is this offensive odor an accom-
paniment of colds, or is it always in-
dicative of a rousy condition?

Vassar, Mich.

J. P.

See article on roup in this tissue.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I often see in the JOURNAL
something about balanced rations, but I

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Can Duplicate
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Our high grade carriages
are made in our own fac-
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We warrant every vehicle
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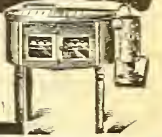
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Users of Iowa Round Incubators say that Even Heat and Exact
Ventilation in the 10 W. A. bring the chicks in big quantities, and the
chicks bring the Money Back. Most complete instructions printed.

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6 STYLES SEEDERS
Opens fur-
row, drops
in plain
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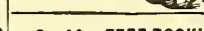


Double or Single Wheel Hoe,
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width.



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Whether you are a fancier or an egg getter, your interests are
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reduced to a science. One trial and you are always our patron.
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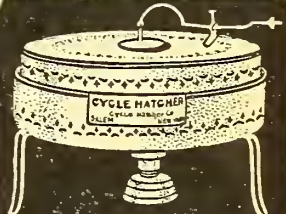
METAL MOTHERS

that hatch and brood chicks in a new way—nearer to
Nature's way—an entirely new and novel method. The
simplest yet most effective machines ever devised for the
artificial hatching and rearing of all kinds of poultry. The

Cycle Hatchers and Cycle Brooders

are made of metal and asbestos throughout; will not warp,
shrink or crack. The Cycle Hatcher has no egg tray doors to
open—eggs are cooled without removing from the machine.
Will hatch hen, duck, goose or turkey eggs equally well and at the same time. Regulation
is entirely automatic and scientifically exact—we obtain results impossible to get in wooden
machines. Write for free catalogue and learn all about these Metal Mothers
"the Wonder of the 20th Century." A 50-egg hatching machine complete for only \$5.00.

CYCLE HATCHER CO., BOX 214, SALEM, N. Y.



60 DAYS FREE TRIAL

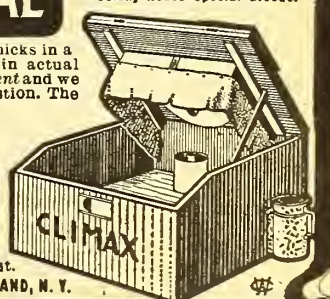
Means that you can raise a brood of chicks in a
Climax Brooder, and if it don't prove out in actual
use all we claim for it it won't cost you a cent and we
will take it back without a quibble or question. The

Climax Brooder

has been on the market a number of years and has given
satisfaction in every case, as hundreds of testimonials
prove, but we want you to try it, and are willing to make
it an object for you to do so—that's why we sell it to you
on this liberal 60 days free trial plan. Let us send our
free catalog and tell you about Climax Brooders and In-
cubators and why our way of selling direct to you is best.

THE CLIMAX INCUBATOR AND BROODER CO., Box 204, CASTORLAND, N. Y.

CLIMAX
Colony House Special Brooder



A Little Money

brings big face comfort
and makes shaving easy,
if invested in the famous

WILLIAMS' SHAVING SOAP

Sold everywhere. Free trial sample
for 2-cent stamp. Write for The
Shavers Guide and How to Dress
Correctly.

The J. B. Williams Co., Glastonbury, Conn.

DRUM CORPS & BANDS

Get our Catalogue of Drums and Band Instruments before you buy. It illustrates an elegant line of Drums—drums for the little boy, the big boy and the Drum Corps,—every drum a "rattling" bargain. Fifes and Bugles to match the drums. A fine line of Band Instruments and "Everything Musical"—right from headquarters. Music for every sort of band and every occasion—we have it all—sheet music, band books, orchestra music, and instruction books for all instruments. A request brings a big lot of samples, and our catalogues put you in touch with bargains you cannot duplicate elsewhere. Get our catalogues and see. They're free. Ask for list of SECOND-HAND instruments, all repaired and as near like new as it is possible to make them. Mention special instrument or set as you may want—we have bargains every day, but don't delay, tomorrow may be too late. Write today.

H. E. McMILLIN,
109 Superior Street, Cleveland, Ohio



IT IS TRUE ECONOMY

TO FENCE YOUR POULTRY YARD WITH

Page Poultry Fence



BECAUSE it is made of larger wire—the smallest being No. 14; Stronger wire—all the horizontals being double strength Page-Wire; Coil Spring Wire—making a flexible fence that gives and takes, STANDS UP straight under all climatic conditions, and can be smoothly erected on hilly surfaces.

BECAUSE it is so woven that the fabric cannot come to pieces; is high, strong and close enough to fence poultry in and stock out; every wire is heavily, smoothly and evenly galvanized, and it will stand for years without repairs—until the posts rot off.

BECAUSE it can be perfectly erected on few posts—one every 50 feet being sufficient; requires no top or bottom boards, and, of course, no nails, and but few staples.

CREDIT It's first cost with the saving in posts, boards, nails, staples and labor of erecting, and bear in mind it's greater utility and lasting qualities, and, we believe you will agree with us that Page Poultry Fence is true economy—the best investment.

Send a postal request for catalog and descriptions.

PAGE WOVEN WIRE FENCE CO.

Box 5839,

ADRIAN, MICH.

would like to have it made more plain, for when you talk to common people about balanced rations they don't understand it. What kind of grains should make up a balanced ration for fowls? How much of each kind? What mixture of bran or shorts or other meals would make up a balanced ration, and how much of each kind? J. J. R.

Shelburn, Ont., Canada.

A good balanced whole grain ration can be made in the following manner: 2 bushels of wheat, 1 bushel of oats, 1 bushel of corn, ½ bushel of barley, 1 peck of sunflower seeds, 1 peck of buckwheat. A little Kaffir corn and millet seed may be added if convenient to do so. For a mash feed, the different meals may be mixed in about the proportion.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you kindly answer the following questions in your next issue?

No. 1—What is the best feed for young chicks just out of the incubator?

No. 2—Is three weeks long enough to leave chicks in the brooder?

No. 3—What age does a pullet start to lay?

No. 4—Do you consider it profitable to cram chickens?

No. 5—At what age is it safe to caponize a cockerel?

No. 6—What will be the necessary space for a run-way for winter quarters for 100 young chickens? N. E. A.

Muskegon, Mich.

1st. Any of the chick feeds advertised in these columns will do the work. 2d. No. This time of year they should be left in the brooder from eight to ten weeks. 3d. From six to nine months. 4th. Yes, if done on a large scale. 5th. From four to six months. 6th. 25x100 feet.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please answer the following in Q. and A. columns:

1. I have several pullets whose feathers have all come off of head leaving same bare. These pullets have been laying well for about a month but have stopped. What is the cause, and a remedy?

2. Do dark bay eyes in Golden Sebright Bantams denote impurity? The "Standard" calls for light bay, but we have some from several different breeders and all have dark bay eyes.

3. Will a temperature of 110° for several hours injure eggs at any time during incubation? E. G. C.

Parthenia, Pa.

1. Your pullets are troubled with what is called the depluming mite. Anoint the parts with lard and flower of sulphur, two tablespoonfuls of the former to a teaspoonful of the latter. Carbollated vaseline is also good.

2. No; but the eye should be a bright bay.

3. Yes.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Can you please advise me through your journal causes for first hatched chickens dying when a few days old. They seem very healthy chicks when hatched but in a few days commence to drop their wings and topple over. They seem to have a pasty substance at the rectum. I feed bread crumbs and grit such as sand and water the first week. Can it be caused by the water? We have well water.

G. H. P.

Cleveland, Ohio.

Bowel trouble is the cause of your

chicks dying. This is brought about in several ways. Very often it is caused by the brooder being too hot or too cold. When too cold the chicks bunch up in one corner and those in the center get too warm and sweat and when they come out in the colder atmosphere they immediately get chilled and the result is bowel trouble. Improper feed will have the same effect, and lice will bring on bowel trouble.

Your brooder should be at a temperature of 95 degrees when you put your chicks in and for the first 48 hours they should be fed nothing but a little chick grit and given water to drink, from which the chill has been taken. After that they may be fed steel cut oats, rolled oats, cracked wheat, or any of the various chick feeds advertised in these columns.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—As I am a beginner in the poultry business I would like to ask if hens that are let run loose over the farm need to be fed bone and seed meal as you do for winter success? Our hens need no protection here at night and the days are always sunny and bright. There are some insects for them all the time and plenty of green stuffs with a little grain morning and evening, with plenty of water. What more is necessary? Mrs. M. J. W.

Herradura, Cuba.

Where fowls have the natural conditions as above specified there is no need of resorting to artificial means as we have to up here in the north.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you kindly answer the following questions in your columns of "Questions and Answers." Last spring I bought a setting of eggs from a breeder in Iowa, and from the setting I have raised some very fine cockerels and pullets. Would it be safe for me to mate those cockerels and pullets? Is granulated or commercial bone and dried beef scraps as good to feed poultry as green cut bone and fresh beef? T. J. H.

Belleville, Ill.

It will be all right for you to mate these cockerels and pullets. Where green bone and fresh beef can be obtained it is the best; but care must be taken in the feeding; two ounces to each fowl three times a week is plenty.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please tell me what is the matter with a nice pullet I have. I first noticed blood on her feathers and found a large sore on her wing—thought the cat had hurt her—but on examination found large and small sores all over her head and body. They formed right where the feathers grow out and keep getting larger until they look like a large boil and then they bleed profusely. I cut away some feathers around the neck and they bleed also. Would like to know if there is a cure for it.

Mrs. C. T. E.

Mt. Sterling, Ky.

This is caused by impurities in the blood. Treatment of diseases of this character requires too much time and is very seldom successful. The bird should be killed and burned.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer in the POULTRY JOURNAL these questions concerning breeding of fowls: Does the service of the cock affect any egg except the one

laid on the day of the service? There is a tradition with the people that a hen has a certain number of eggs in her ovisac, to lay before setting which they call her "latter." Might not the single service of the cock affect all eggs in the ovisac to a certain stage of development? Now for the practical application: If a pure bred hen were mated with a common cock and some days after the same hen were mated with a cock of her kind, would not the eggs of the last mating be affected by the service of the common cock? S. J. M.

Winston-Salem, N. C.

A single service of a cock has been known to fertilize as many as 15 to 18 eggs. The influence of a cock has been known to affect the offspring as long as six months after the removal of the cock. After mating it has been proven that the fourth egg laid was fertile; in other cases none would prove fertile before the eighth or ninth. Therefore, it is rather difficult to determine just when the egg is fertilized.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—I have a hen, a R. C. B. Leghorn, that constantly pulls feathers from my other hens and then eats the feathers. Will you please give me cause and some cure for same?

Also tell me in building a poultry house which wind must be guarded against—the north, east, south or west?

H. B.

New Orleans, La.

This is generally caused by close confinement and lack of exercise. There is no cure for it. Use the hatchet on this pullet. Up here in the North we guard against the north and west winds.

FIRST TIME IN CHICAGO.

Theodore Ambrosius, Collinsville, Ill., has shown for the first time at the Chicago National Fanciers' and Breeders' Association show, 1905, with White Wyandottes and Mammoth Pekin ducks. His winnings were: White Wyandotte cockerel, first and third; pullet, first and fourth; cock, second and fifth; hen first and fifth; silver cup for whitest bird in show and three specials for best shape. Mammoth Pekin ducks, old drake, first and second; old duck, first and second; young drake, first and second; young duck, first and second. Mr. Ambrosius is a gentleman with a national reputation, noted for his square dealings. He has won at several other large shows, including the World's Fair, St. Louis, where he won, one first, one second, three thirds, one fourth, one fifth, three sixths, one seventh; also St. Louis, Kansas City, and Illinois State Fair. Any one in the market for first-class stock and eggs should write Mr. Ambrosius, Collinsville, Ill.

FROM FACTORY TO USER.

How The Columbus Carriage Company Deal Direct at a Saving of Cost to The Consumer.

The Columbus Carriage and Harness Company, Columbus, Ohio, formerly sold exclusively to dealers. Some years ago, as a sort of experiment, they advertised to sell direct to the user at dealers' prices. So well was the idea received by people in all parts of the country that now and for several years past they have sold only by mail direct to the customer. This is the only house in the State of Ohio selling direct to the consumer who manufactures the vehicles and harness they offer for sale.

The plan has many advantages, among them being the fact that the company guarantee is direct and means much to the man who is willing to pay cash for a good carriage, buggy or harness. As the saving is from \$10 to \$40 on an order, and as the quality of the work and materials used are of the best, it is more than worth while to secure their elegant catalogue, which may be had free upon application. It contains illustrations and exact reproductions of all carriages, buggies, harness and horse goods sold by them, as well as testimonials from customers all over the country.

RELIABLE POULTRY REMEDIES

CURE GUARANTEED

COLLINS'

Roup Cure, 25cts.
Cholera Cure, 25cts.
Diarrhoea Cure, 25cts.
Poultry Tonic, 25cts.
Cond. Powder, 25cts.

Poultrymen, my remedies are backed by professional services. Convince yourself of the unequalled qualities they possess by giving me a trial order, and if they do not prove superior to any you have used I will cheerfully refund your money. I know positively from practical experience and unsolicited testimonials from users, that these remedies will meet every duty required of them with never failing results. Accept no substitute, as there is none just as good. Agents wanted, liberal inducements.

Mfg. by C. J. COLLINS

Hartford, N. J.



ROSE COMB White Leghorns EXCLUSIVELY

EGGS FOR HATCHING St. Louis World's Fair, New York and Chicago prize winners. Cream of the country. Send for catalogue.

ROCKY RIVER POULTRY CO.

5931 Superior St.

Chicago, Ill.



White Wyandottes

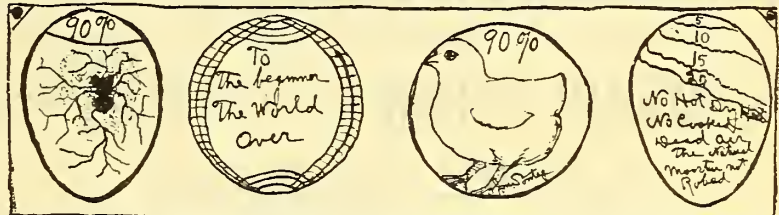
...TRIUMPH STRAIN...

Again proves itself the best in the world, fancy and utility considered. In the hands of my customers it was right up among the winners in St. Louis, New York and Boston. Also again won special for whitest male in Wyandotte class, Boston, 1905. It is admittedly in a class by itself when it comes to heavy laying of large brown eggs. If you want both winners and eggs breed the Triumph Strain. Stock and eggs for sale. For catalog and prices write the originator.

W. E. MACK,

W. Woodstock, Vt.

1905 100 Per Cent Reports



Rev. G. T. Curtis, Springport Mich., raised all chicks put in brooder. J. H. Crow, Oakland, Cal., this winter three times raised 100 per cent on all the chicks put in our brooder. A. H. Brown, Ashtabula Co., Eagleville, Ohio. Your Incubators and Brooders are as you represent them. A. W. Robinson, Napa, Cal., raised 100 per cent time and again in 1904 and this winter, 1905. I raised 20 per cent more than your guarantee in catalogue. F. T. Constock, Fairton, N. J., has grand success; put our brooder fixtures into other chick-killing brooders. Miller and Ridell, Petaluma, Cal., 100 per cent raised four times this winter. Wiber Martin, Beatrice, Neb., put our brooder fixtures in four of the best chick-killing brooders made—mark you, four different makes—manufactured in the east, and now has grand success with our brooder fixtures in those brooders. A Zero Hatcher. Our 1905 Incubator and Brooder heats up in one hour in a room or shed where it is zero, and no change of weather will affect heat in egg chamber, and that with incubator most all open for air. Living air is our secret; no air tight bake oven. Dry, dead heat and air has caused failures. Send for our 1905 circular, it is free. Our 96-page 1904 catalogue 10c. Addresses of 100 per cent reports in dozen lots in our 1905 circular.

THE PERPETUAL HEN CO.

JNO. M. SONTAG, Pres.

ST. CHARLES, ILL.



96 Point Pullet. The White Kind.

Ring's W. Rocks

Won four firsts at Chicago, Jan., 1905, on five entries, all placed.

RING'S W. WYANDOTTES

Won four firsts at Detroit, Jan., 1905, on seven entries. All placed. His breeding pens contain all his winners. If you want quality and utility write for his free illustrated catalogue. Order eggs at once. to insure delivery when wanted.

CHAS. H. RING R. F. D., Decatur, Mich.



Black Langshans

First prize at World's Fair, Kansas City, Dallas and Houston. Won the \$50 cup at Shreveport over all breeds; pen scored 191. Record for 1904 birds score 95 to 95½. Eggs \$3 for 15. Birds for sale, satisfaction guaranteed.

J. E. R. CHILTON, Dallas, Texas



A MUSICAL NOTE.

Twenty years of successful business with a record of continuous growth and expansion certainly signifies something. It means that merit and fair dealing must have been back of every transaction. Twenty years ago there was established in Cleveland, Ohio, a music house by a practical music man with a fixed determination to build success strictly on *quality*. To sell only the highest class of goods at as low a price as such goods could possibly be sold for direct to the customer, with only one small profit from maker to user.

Being a practical man, he knew that musical instruments cannot be judged from the outside. Their merit is on the inside and unless made with care will be without quality, while they may look all right. His



POULTRY SUPPLIES

of every description. Prairie State, Empire State and Star Incubators and Brooders. Drinking Fountains, Wire Netting, Spray Pumps, White Washing Machines, Powder and Liquid Lice Killers, Roup and Cholera Cures, Coudition Powders, Egg Foods, Oyster Shells, Beef Scraps, Dog Cakes and Medicines, and everything necessary for breeding poultry and pet stock. Our immense illustrated catalogue gives complete list. It is free; send for one.

Excelsior Wire & Poultry Supply Co., Dept. D, W. V. Russ, Prop., 26 & 28 Vesey St., N. Y. City



Judge S. T. Lea says that "Alice White" is the most beautiful and neater per feather than any bird he ever handled in 20 years judging poultry.

The Gaines' White Ply. Rocks

BRED TO WIN—AND DO IT

We offer a prize of \$50 in gold for best pair, (cockerel and pullet) Free circular which explains, on request. The Gaines White Rocks won at Charleston, S. C., Nov. 21 to 26, 1904. Pullet, 1st, score 97¼; 2d, 95½; 3d, 95¼; tie 4th, 94¾; also 3d pen. Male birds all in bad feather. Eggs for hatching but no stock for sale till fall

E. H. GAINES, Prop., GAINES' POULTRY YARDS, GAFFNEY, S. C.

White Wyandottes and Pekin Ducks

Greatest competition White Wyandottes and Pekin Ducks, winners in the greatest competition in the world; World's Fair champions; 1, 3, 6 and 7 on young Pekin hens; 2, 3 and 7 young drakes, 3, 5 old drakes and 4 old hen. Won 6th and special on cock in White Wyandottes, and I have the best in the world in my breeding pens for 1905. 1st cock, 3d cockerel, 1, 2 and 4 pullets and eight more pullets, sisters to the prize winners and a brother to the 3d prize cockerel.

Illinois State Fair, 1st, 2d and 3d on Pekin Ducks. No White Wyandottes were shown. St. Louis Fanciers Association, Dec., 1903, won 1st breeding pen, 1st pullet and 3d cock in White Wyandottes and special for best pullet. Chicago National Fanciers' and Breeders' Association, 1905, won 1, 4 pullets, 1, 5 hen, 1, 3d chl., 2, 5 cock and three specials for best shape, and silver cup for the whitest bird in the show room on White Wyandottes. Pekin Ducks 1, 2 cock, 1, 2 hen, 1, 2 cockerel, 1, 2 pullet. White Wyandotte eggs \$3 for 15, \$5 for 30. Pekin Duck eggs \$2 for 11, \$3.50 for 22, \$7 for 50.

THEO. AMBROSIOUS

Collinsville, Illinois

Millville Poultry Farm Co.'s

PLYMOUTH ROCKS AND WYANDOTTES

At World's Fair, St. Louis

win more firsts than any three other exhibitors of their varieties. A grand total of 55 regular and special prizes in hottest competition ever known, makes best record ever made on their specialties. We offer you sons, daughters, brothers and sisters of our World's Fair winners at fair prices. Can sell you A 1 breeding birds or crack show birds, as you may choose. During December will sell a selected Pekin drake and five April ducks (unrelated) for \$15. In Plymouth Rocks we have Barred, Buff and White varieties. In Wyandottes, Buff and White. New 32-page illustrated catalogue is free, and we hope you will write your wants to

MILLVILLE POULTRY FARM CO.

M. F. DELANO, Pres.

Box J, Millville, N. J.



MANN'S Latest Model BONE CUTTER has been awarded

Two Highest Awards

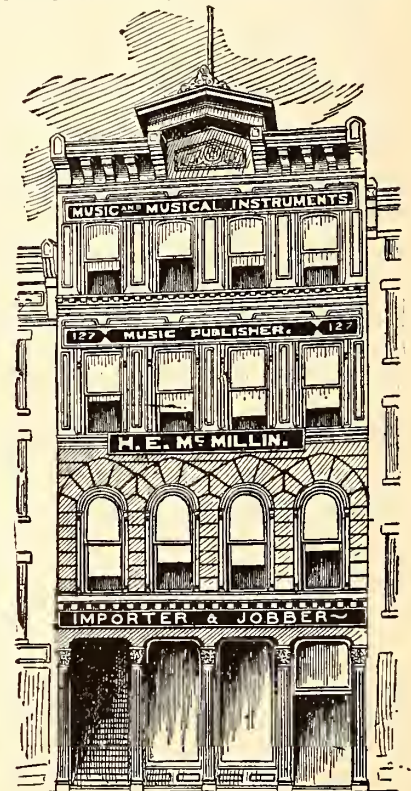
At the St. Louis World's Fair

because it has more labor-saving devices of late design than all other types put together. It always turns easy. We send it on

TEN DAYS' FREE TRIAL.

No money asked for until you prove on your own premises our guarantee that Mann's latest will cut all kinds of bone with adhering meat and gristle, easier, faster, in better shape and with less fuss and bother than any other bone cutter. If you don't like it return it at our expense. Isn't this better for you than to pay cash for a machine you never tried? Isn't that fairer than so-called "trial offers" demanding full payment in advance? Free catalogue explains all.

F. W. MANN CO., Box 56, Milford, Mass.



success and the fact that he daily receives cash orders from all over the world proves that his instruments are made with the case that is required to give them true musical quality, as well as handsome appearance.

H. E. McMillin, Cleveland, Ohio, manufactures, imports and retails "Everything Musical." Therefore his customers get the goods direct from headquarters, with the guarantee that they will be just as satisfactory as if the customer came direct to the store and made his purchase in person. Mr. McMillin looks back over his twenty prosperous years with pardonable pride and forward to the future for a continuation of his business. His numerous customers always have a good word for his house. Mr. McMillin makes it a point to have every customer a pleased, satisfied customer. Write to him for catalogues of anything you may need in the music line, and you will readily understand why his business has grown to such proportions.

An endorsement like the following cannot be bought for money, and it goes to show that Chamberlain's Perfect Chick Feed has merit:

UNITED STATES EXPERIMENT STATION, STATE AGRICULTURAL COLLEGE, BROOKINGS, S. D., Feb. 4, 1902.

Mr. W. F. Chamberlain, Kirkwood, Mo.
Dear Sir: Enclosed please find check for five (5) sacks of your "Perfect Chick Feed." In your last letter you asked that you might be allowed to use some commendatory words of mine. I am certainly willing you should use anything I have written in any way you see fit. I am glad to recommend your "Perfect Chick Feed," both orally and written, as it comes the nearest to raising 100 per cent of all chicks hatched of any food I have ever tried. Sincerely,

D. A. SAUNDERS,
Botanist and Entomologist.

Barred Ply. Rocks Exclusively

My breeding yards are represented by birds of royal breeding and grand individuality. **Cockerel matings:** Yard 1 headed by ekl, whose sire was a first place winner at Chicago, '08. This pen is pure Bradley Bros. strain. Yard No. 2, headed by two-year-old cock, full brother to first pen cockerel at Madison Square Garden, N. Y., 1904; pen is Bradley Bros. strain. Yard No. 3 headed by the best son of cock in yard 2.

Pullet matings: Yard No. 4 headed by the best son of the great pullet breeding cock Milo. This pen is pure E. L. Miles strain. Yard 5 headed by fine large cockerel of the proper color for pullet matings. This pen is pure Bradley Bros. strain. Yard No. 6 is old Milo with five fine large pullets; E. L. Miles strain.

E \$3.00 per 15, \$5.00 per 30.

L. H. EDWARDS - R. R. 1, Owasco, Ind.



**FOR
HARDY
CHICKS**

**HARDING'S
Baby Chick Food**

makes baby chicks hardy. Makes vigorous, rapid growth, insuring chick life, so uncertain at this stage, that it more than saves its cost in saving life. It adds profit where loss is the usual result. One trial test will prove its worth. It saves worry and makes poultry raising pleasurable—profitable. 5 lb. cartons, 30c; 10 lb. bags, 50c; 50 lb. bags, \$1.50; 100 lb. bags, \$2.50. f. o. b. Binghamton, N. Y. Give your chicks a chance for life by giving them food that furnishes life—Harding's Baby Chick Food. Send for free catalogue containing good points for making poultry pay.



**FEED
HARDING'S
FOOD**

Geo. L. Harding, Box 333, Binghamton, N. Y. U. S. A.



SEE THAT TWIST!!!

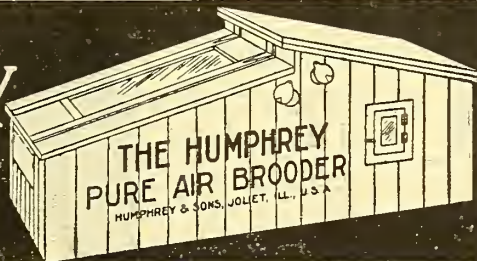
If You Want a FENCE

That is made from the best High Carbon Steel Wire. That is Heavily Galvanized to prevent rust or corrosion. That is COILED to provide for contraction and expansion. That is Strong Enough to turn the most vicious animal. That is Woven Closely to turn chickens and small pigs. That staples to the posts as you would nail a board. That easily adjusts itself to all uneven surfaces. That is woven in such a manner that compels every wire to bear its portion of strain. That you can buy Direct from the firm that makes it, with Freight Prepaid to your nearest railroad station. That you can examine at your railroad station and return it if it displeases you in any particular. That you can erect and use for Thirty Days, and if unsatisfactory return at our expense and get your money. Write for Free Catalog giving full information. Address, **KITSELMAN BROS., Box 295, MUNCIE, INDIANA.**

Don't Let Your Chicks Die!

You can double your poultry profits by raising all the chicks you hatch instead of murdering 75% of them in a death-trap brooder. This means dollars to you. Investigate the newest, most original, scientifically correct brooder ever built—

THE HUMPHREY PURE AIR BROODER



Top heat; perfect regulation of temperature; double circulation of heat and pure air; perfect ventilation; no tramping; easily kept clean; perfectly sanitary; most convenient; most economical in oil, and guaranteed to **raise more chicks** than any other brooder ever made. We especially urge all poultrymen who have suffered loss and disappointment from poor brooders to investigate. Already used by hundreds of leading poultrymen. Don't waste your time and kill your chicks with old-fashioned brooders—get the latest and best. You owe it to your own best interest to investigate.

World's Fair Winners—Raised in the Humphrey.

HUMPHREY & SONS, Joliet, Ill., North Adams, Mich., Dec. 5, 1904. Gentlemen:—We are glad to inform you that all the young Orpington stock we exhibited at the World's Fair were raised in the Humphrey Pure Air Brooder. We were very successful at this show where we won first, third and fifth cock, second and sixth cockerel, second, third and fifth hen, first, fourth and sixth pullet and first and third pen in the Single Comb variety, and first cock, first cockerel, second hen, third pullet and first pen in the Rose Combs. We competed against 8 of the foremost breeders, including Wm. Cook & Sons of Eng. We raised about six hundred last season and the most of them in your brooders. We liked them so well that we bought six more of you this year. They are as easy to run as an incubator. You can set them at any degree of heat, 70, 75, 80 or 90, and they will run right there like a clock and without much more trouble.

Truly yours, **KNOWLES, YOUNG & CO.**

Send for new book, "Poultry Helps," 48 pages. Printed in colors. It points the way to poultry success. It's free, but it means higher profits for you. Address

HUMPHREY, WHITE STREET FACTORY, JOLIET, ILLINOIS.

HUMPHREY'S PURE AIR BROODERS.

A pleased customer, Mrs. T. J. Joseph, of Hopkinton, Iowa, of the Humphrey Pure Air Brooder, manufactured by Humphrey & Sons, Joliet, Ill., when ordering eight of their brooders wrote: "With the lamp in the center it makes no difference which way the wind blows, but it makes a vast difference when the lamp is at one end. The two rooms is another point of excellence in the brooders. If the hover room accidentally becomes too warm, the chickens can escape in the other room and thus avoid overheating. We all had fine success raising our chickens in your brooders and I could not ask for better success than I had, for I think I lost only two out of a hundred chickens which I put in your brooder and one of those two was not perfectly developed."

Humphrey & Sons have put much thought and experimenting upon their pure air brooders. They claim that it is the one brooder that seems to be constructed on common sense. The great trouble heretofore in the chicken business has been how to raise the chicks after they were hatched. The Humphrey brooder really raises chicks, meeting every condition of successful poultry raising. It is well built with a perfect heat radiation and with an original system of ventilation, provisions for cleanliness and sanitary conditions. It would certainly be wise to investigate the Humphrey pure air brooder. The manufacturers promise that it will do better work for you, save your chicks, make less trouble, yield greater profits than any other brooder in the world.

Write the Humphrey people for their catalogue, which explains it fully.

SCIENCE VS. NATURE.

Among the many enterprises connected with the large and ever-increasing poultry industry of the country perhaps none is of greater importance than the manufacture of hatching machines or incubators, as they are commonly called.

The brains and inventive genius expended in perfecting the practical utility of these machines is evidenced by the surprising results which some of them achieve. In fact, such a close approach to natural conditions combined with commercial practicability has been attained that the "settin' hen" has been almost crowded out of business even among the smaller poultry raisers, while among the larger farms artificial incubation has reached huge proportions and is used exclusively.

To meet these demands many different machines are offered, each claiming peculiar merit. Among these the Ormas Incubator, manufactured by Mr. L. A. Banta, of Ligonier, Ind., occupies a prominent place. His incubator is the product of careful thought and attention to those details so necessary in making a hatcher of the highest quality, and his machine is worth the consideration of any one contemplating the purchase of an incubator. The Ormas line, which includes brooders also, are models of scientific efficiency and judging from the testimony of those who use them, give good satisfaction.

Mr. Banta sends a beautifully illustrated catalogue, containing full description and prices, free to all who request the same. Address **L. A. Banta, Ligonier, Ind.**

H. H. & E. M. Coburn, of Memphis, Mich., announce a removal sale of their Silver Penciled and Columbian Wyandottes. All their surplus Silver Penciled Wyandotte stock must be closed out at a sacrifice before March 15th. They are prepared to furnish eggs from their best matings of both Silver Penciled and Columbian Wyandottes. These pens are headed by noted prize winners of the Columbians, especially by their 3rd prize World's Fair and 1st prize Detroit cockerel mated to 1st prize Detroit pullet and 1st prize Detroit hen.

They would be glad to send any reader of AMERICAN POULTRY JOURNAL their circular free.

Chas. H. Ward, Bethel, Conn., won as follows on his White Plymouth Rocks at the Hartford, Conn., show: 1st and special on cock; 2nd hen; 4th and special on cockerel; 5th on pullet, in a class of 108.

F. A. Crowell, Granger, Minn., breeder of Single Comb Buff Orpingtons, won as follows at Cresco, Iowa: 2nd cock; 1st cockerel; 1st and 2nd hen; 1st pen.

The yards of G. W. Brown, Camden, Ark., are now all mated and they believe beyond any doubt that they have in these yards more noted prize birds than anyone in all the South, and they can supply eggs from the very cream of these matings.

A TELEPHONE ON THE FARM.

Why not? Why shouldn't the farmer and his family enjoy the convenience of this modern time-saver? Why shouldn't the farm home be brightened in every way possible?

The great problem of keeping girls and boys contented on the farm would be solved in short order if farm life had more of the luxuries and conveniences of city life, if a large share of the monotony and isolation of farm life were dispelled.

The farmer himself would be greatly benefited by the adoption of some of the more necessary modern improvements his city brother employs in his home and busi-



ness. For instance, the telephone. Every farm should have a telephone. For if any business man in the wide world needs a telephone the farmer is that man. With telephone the farmer, no matter how remote his location from the great centers of business, comes into close contact with the out-



side world. He may get the market reports every day and can sell his products when the market is right. Thus the extra price he may realize from a single crop will often pay the entire cost of his telephone and the expense of building his line. A telephone keeps the farmer in touch with his

neighbors, gets help to him without delay or loss of time when help is needed or accidents occur; calls the doctor quickly when emergencies arise, day or night; often saves a trip to town in busy seasons when time is money, and cements the entire neighborhood into one big, helpful family.

Farmers are awakening to the numerous advantages of owning their own telephones and lines. Hundreds of farm lines are be-



ing built all over the country. The improved telephone and appliances built especially for farm lines by the Stromberg-Carlson Tel. Mfg. Co., of Rochester, N. Y., makes the building and operating of such lines a very simple and inexpensive proposition. No better instruments and apparatus are built, and the testimonials of hundreds of users prove that the success of their lines is due to the superiority of Stromberg-Carlson telephones. They are simple, do not get out of order or require experts to operate them. They are built for durability and efficiency.

The Stromberg-Carlson Company will be glad to hear from farmers everywhere who are interested in knowing more about telephones and how to build and operate farm lines. They have a lot of valuable information which they will be glad to send free to farmers. Write for it.

ATTRACTIVE AND BEAUTIFUL FARMS

The farm garden that is well stocked with berries, bushes and vines, with roses and all sorts of small fruits is a thing of beauty and a source of pleasure and profit. The orchard filled with fruit trees and the lawn bordered with shade and ornamental trees, shrubs, etc., mark the home of the wise, widespread, progressive farmer.

The Gage County Nurseries, of Beatrice, Neb., right in the heart of the belt of where healthy trees are grown, has been in business for over twenty-four years, helping all that time to make the farm a better place to live, more attractive, more home-like, more profitable and more healthful. The beautiful homes it has helped to make dot the western prairies and eastern hills.

The Gage County Nurseries claim it costs more to sell a tree through an agent than it does to grow it. Consequently it sells direct to the customer at only a fair profit on what it costs to grow the stock. Send for catalogue before you buy, listing everything in the nursery line, describing the improved facilities of its complete nursery plant and telling why it can serve you to your entire satisfaction.

GREAT WINNINGS.

The Rock River Poultry Company, breeder of Rose Comb White Leghorns (F. J. Phillips, manager), 5929 Superior street (telephone Austin 3023), city office 607 Lakeside building, corner Clark and Adams streets, won the following prizes at World's Fair, St. Louis, in hot competition: Five firsts, four seconds, one third, three fourths (thirteen entries), \$50 and Leghorn Club silver cup and \$25 silver cup for best cock, cockerel, hen and pullet at Madison Square, New York, 1905; eight entries, eight prizes at Chicago, December, 1904; five firsts, four seconds, two thirds, three fourths, entries fifteen birds, also silver cup, at the great Chicago show, January, 1905. All prizes except three won by the Phillips' strain. All lovers of high-grade R. C. W. L. should send for a catalogue, which is sent free if you mention AMERICAN POULTRY JOURNAL.

B. G. Westfall, of Oak Grove, Mich., won as follows on his Barred Plymouth Rocks: Lansing, Mich., Dec. 26 to 30, '04, Hewes, judge, 71 Barred Rocks in class, 1st, 2nd cock; 1st, 3rd hen; 1st cockerel; 3rd pullet and 1st pen. Ann Arbor, Mich., Jan. 18 to 21, '05, Tucker, judge, 166 in class, 3rd cock; 1st hen; 4th pullet and 2nd pen. Pontiac, Mich., Jan. 31 to Feb. 4, '05, Bloss, judge, 45 in class, 1st cock; 1st, 2nd, 3rd hen; 1st, 3rd, 4th cockerel; 1st, 2nd, 4th pullet; 1st pen and all specials, including a fine cheese given by Gov. Fred M. Warner for five highest scoring Barred Rocks in class, score 183 44-100.

Ira C. Keller, of Prospect, Ohio, won at the Madison Square Garden New York Show in January, 1905, on Golden Wyandottes, 2nd, 3rd cock; 1st hen; 1st cockerel; 2nd pullet; 1st breeding yard.

He has a large number of very fine Golden and White Wyandottes to spare yet, and a few very fine Sebrights and Belgian hares. The quality is very high and the prices low, considering the grade of stock.

YOU MUST READ this in Yourself

you to select from. You see their advertisements, read their catalogues and finish up by being all at sea as to which one to choose. You want the best, of course. You want an incubator that with the least personal trouble will hatch the greatest percentage of fertile eggs—not only once but every time. That's why we say "You Must Read this in justice to yourself."

CHATHAM INCUBATORS and Brooders

not only hatch the greatest percentage of fertile eggs every time, but do so with the least care; no setting up nights to worry. The Regulation is perfect. The ventilation and moisture are attended to automatically. We supply all our incubators with our patent steel and brass regulator. No other make is allowed to use this. It is ours, exclusively—Yours free when you buy our incubators. Then OUR OWN PATENT EGG TURNER is another feature you would not do without if you knew what we know about it. It turns eggs instantly without danger of breaking any—not one broken egg a year. Think of that. Then the way we make our Chatham incubators is an insurance that they will remain durable and in perfect working order without warping or coming apart, for a life time. We select the choicest Canada timber, kiln dry it, season it thoroughly, build two walls of this select, seasoned timber, one about the other, with mineral wool between, to make the body of each Chatham incubator, and fasten them all together with metal screws—not nails or wooden pegs. The finish is in hard oils leaving a beautiful grain in the wood. A Machine built for a purpose—one to be proud of.

We were the Very First to sell incubators On Time. We are still the only ones to prepay all freight to your station. When we say we sell on time we do not mean on a month's time only, nor two months—but a good long time. Take until Oct. 1 if you want.

When you write us for a Free Descriptive Catalogue with large illustrations and all the facts, we will tell you fully about our plan to enable you to pay for the incubator out of its own profits. It will please you, as it has thousands.

The Chatham Incubator makes a fine Christmas Present.

Don't hesitate to write us for catalogue and terms of sale On Time now, even if you don't wish to buy at once. We will ship your orders from the nearest point where we have branch houses, so there will be no delay in supplying you quickly. Correspondence regarding On Time sales should be addressed to the factory as follows:

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151 Wesson Avenue, Detroit, Michigan.

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Under this heading ads will be inserted for five cents per word each month for less than three months, **three cents per word for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. Commencing with the January, 1904 issue, all ads will be inserted under **classified headings.** No ads accepted at less than an average of 50 cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Copy for classified ads should reach us by 19th of month preceding date of issue. Write your copy plainly, as upon this the correctness of your ads largely depends. AMERICAN POULTRY JOURNAL is furnished every advertiser during the time his ad is running. **Forty thousand per month.** We guarantee an average monthly circulation of 40,000 copies of AMERICAN POULTRY JOURNAL. When placing your ads remember that advertisers of Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted.

On writing any of these advertisers mention A. P. J. It helps you and doesn't hurt us.

All Copy for Classified Ads Must Reach us by the 19th of the Month.

PLYMOUTH ROCKS.

GREAT BARGAIN SALE of 300 line bred Barred Rock cockerels and pullets from prize-winning ancestors. These youngsters are extra choice individuals and some of them will develop into winners in hot competition. Prices, either sex, \$2.50 each. Order to-day. Address Congress Park Poultry Yards, Congress Park, Ill.

BARRED ROCKS EXCLUSIVELY—Eggs (15) \$2. First pen, ckl. headed by Bradley Bros., prize winning cock; weighs 11 lbs. Second pen, pullets, contains my 1st, 2nd and 3rd prize winners at Evanston. Circulars free. C. J. Fries-tad, Glencoe, Ill. 2-3

EXPRESS PAID on E. B. Thompson Ringlet Strain Barred Rock eggs, \$2 per fifteen; \$5 per 45; very choice exhibition pullet matings. Last Elmira show, first, second, third, fourth pullets. First pen. Chas. W. Pustner, Ligonier, N. Y. 3-4

BARRED PLYMOUTH ROCKS. Eggs, one dollar for 15. Mrs. J. D. Turley and Miss Jessie A. Turley. Address letter, Black Water, Mo. 1-3

WHITE ROCKS. Chicago. Detroit winners. Large illustrated circular free. Lyman H. Hill, Jackson, Mich. 3-4

FOR SALE—1 pen of Buff Rocks. 1 pen of Barred Rocks; cheap. Wm. Klingensmith, Blairsville, Pa. 3-1

BUFF ROCK Eggs from first cockerel, Chicago, 1905, Michigan State, Chicago, Ft. Wayne, Cleveland. Cocks and cockerels. Setting, \$2.50. Catalogue. Abbott and Dunton, Reading, Mich. 3-3

BUFF ROCKS. The original Nuggets have added the entire Overbaugh flock. Birds from our yards in the hands of customers won at St. Louis the largest and strongest class ever exhibited. Our matings for this coming season are the cream of Overbaughs and Dr. Bennett's flocks. Eggs, \$5.00 per 13. Catalogue will tell the rest. C. L. Pensyl, Bloomsburg, Pa. 1-3

BARRED ROCK—Eggs, \$1 for 15, from hardy stock. Good layers, good size and well marked. Dr. A. R. Johnston, New Bloomfield, Pa. 1-3

FOR SALE—50 Pure Bred Buff Plymouth Rock Cockerels. J. W. Warrant, Route 4, Nan-kato, Minn. 1-3

BRADLEY BROS. and E. B. Thompson fine Barred Rock Cockerels, \$2 up. Eggs, \$2. Guaranteed. A. W. Marburger, Denver, Pa. 1-3

WHITE ROCKS—Fishe! Strain, direct. \$1 and \$2 each; fine birds and worth more money; closing out. Also Buff Turkey toms. Harry Robley, Whitehall, Ill. 1-3

BARRED PLYMOUTH ROCKS—Young and Old Brights, best and other strains. Eggs in season. S. P. Lewis, 124 Prospect St., Ash-tabula, Ohio. 1-3

BUFF ROCKS—Young Stock Score by Rigg—For sale. Cheap. Must have room. L. M. Mitchell, Elsberry, Mo. 1-3

WHITE ROCKS—Good breeding cockerels, \$1.50 to \$3.00. Also eggs from high scoring stock. Clifford Rhodus, Decatur, Mich. 1-3

BUFF PLYMOUTH ROCKS—J. D. Wilson, Worcester, N. Y., originator of this most popular variety. Continuously line bred since '88. Record world-wide. Best always the cheapest. Reasonable prices for stock. Eggs from solid matings, \$5 per sitting. 2-3

SAUNDERS—Buff Plymouth Rocks only. Win-ners at Louisville. Eggs, \$2.50 per setting. L. Saunders, Nicholasville, Ky. 2-3

WHITE ROCKS—Twenty good cockerels for sale. Fishe! strain. Eggs, \$1.50 for 15. White Holland turkey eggs, \$2.50 for 11. H. P. Tucker, R. No. 2, Ligonier, Ind. 2-3

EXPRESS PREPAID ON BARRED ROCK Eggs, Thompson's Ringlet strain; are grand in shape and barrings. Fair hatch guaranteed. Eggs from choice pens; \$1.50 per 15; \$2.75 per 30. Catalogue free. Will H. Schadt, Goshen, Ind. 2-4

BUFF ROCKS—We won 5th universal, 5th club special and 2nd Missouri on ckl at World's Fair. Have a few cks for sale scoring 90% to 92; trios, \$5 to \$10; eggs, \$2 per 15, from birds scoring 92 to 93% (judged by Heimlich). Hinkle & Jenkins, Oakridge, Mo. 2-4

WHITE PLYMOUTH ROCKS EXCLUSIVELY—My stock is of the whitest and best blood that runs in any White Rocks. Write for description of stock before you buy elsewhere. Eggs from prize winning stock for sale reasonable. Satisfaction and fertile eggs guaranteed. F. P. Klotz, Neff's, Pa. 2-4

STANDARD BRED WHITE ROCKS—20 choice cockerels scoring 90 to 92% by L. Butterfield, score card with birds. If you want a good breeder write me. Eggs from pen No. 1, \$10 per 15; pen No. 2, \$3 per 15; pen No. 3, \$1.50 per 15. All females in pen No. 1 score over 94, headed by cockerel 94%. Send for circular. Standard Poultry Yards, C. Sherrick, propr., Howlett, Mich. 2-3

WHITE P. ROCKS—Won 4th ckl, 4th pul-let, Ill. State show at Peoria Jan. 2 to 7, '05; also S. C. Brown Leghorn cockerels for sale; no pullets. Write your wants; I can please you. Jacob Giebelhausen, R. No. 34, Peoria, Ill. 2-2

WHITE ROCKS that win. This season mine have won at Danbury, Conn., 1st and special on cock, 2nd on hen; at Hartford, Conn., 1st and special on cock, 2nd hen, 4th and special cock-erel, 5th on pullet in class of 108. Chas. H. Ward, Bethel, Conn., Hillcrest Farm. 3-3

BARRED ROCKS exclusively. Ringlet strain. Two pens direct from Thompson, mated for ex-hibition; pullets and cockerels. Eggs, \$3 per 13. Free range, \$1 per 15; \$4 per 100. Mrs. Emma Hoobler, Unionport, Ohio. 3-3

BARNES' BUFF ROCKS. Champion Nugget strain. Pens composed of birds scoring from 90 to 94%. Eggs, \$2.50 per 15. C. E. Barnes, Taylorville, Ill. 2-3

WHITE PLYMOUTH ROCKS exclusively. Old and young stock for sale. Prices reasonable. Orders booked for eggs. Write your wants. Geo. H. Jayne, Shelbyville, Ind. 2-2

MY BARRED ROCKS have a record of 18 ribbons (6 firsts) on 18 entries at Saratoga and Lititz this season. Eggs, either mating, \$3 per 13; \$5 per 26. William Wisler, Doug-lassville, Pa. 2-3

BUFF ROCKS, pure breed, Cockerels and Pul-lets cheap; eggs in season. M. Sarah Moore, Arcola, Ill. 2-3

EXHIBITION Barred Rocks, Thompson's Ring-lets, eggs for hatching from our choicest prize winning lines at \$1.50 per 15; \$2.50 per 30; farm range incubator eggs, \$4 per 100. H. E. Kipp, Red Hook, N. Y. 2-3

BUFF ROCKS—Original world-renowned Nug-gets. Won Madison Square First; also Pennsylv-ania State Cup. Free catalogue. J. A. Long, York, Pa. 2-3

BARRED PLYMOUTH ROCKS—To introduce our high class birds we are selling our eggs \$1.25 per 13 or \$5 per 100. Birds are large size, well barred. Sprague & Wiltsey, Russell, Iowa. 2-3

BARRED PLYMOUTH ROCKS—Raised from stock bought direct from Bright & Latham. \$2 to \$10 each; state your wants; guarantee perfect satisfaction. Pastime Poultry Yard, Hammond, Piatt Co., Ill. 2-3

BARRED PLYMOUTH ROCKS, pure "Ring-let" strain; eggs, \$1 per 15. Incubator eggs, \$5 per 100. Luther J. Hall, Kenney, Ill. 2-3

BUFF ROCKS exclusively, 11 years. Golden Buff, correct shape, full weight, great layers. Eggs, \$1.50 per 15; \$2.50 per 30. Jno. F. Win-ter, Wooster, Ohio. 2-4

CONES has made a specialty of Barred Ply-mouth Rocks for 12 years. Birds shipped on approval. Get prices on stock and eggs from best matings in central Indiana. S. F. Cones, Colfax, Indiana. 2-3

BARRED PLYMOUTH ROCKS—My yards con-tain winners at Newark, N. J., Lebanon, Car-ile, Hazleton and Bloomsburg. Pa. Eggs, 1 setting, \$2; 3 settings, \$5. J. H. Hazledine, Bloomsburg, Pa. 2-3

BARRED PLYMOUTH ROCKS, EXCLUSIVE-LY.—America's very best strains. Hawkins, Thompson, Loeffel, Lash, Milns, Gardner, Con-ger, etc. Breeding and exhibition birds a spe-cialty. Satisfaction guaranteed. Write me be-fore buying elsewhere. Eggs for sale. J. D. Stevenson, Killbuck, Ohio. 3-3

BARRED ROCKS—Ringlet strain; eggs from exhibition matings, \$2 per 13, \$3.50 per 26. Eggs from farm stock, \$1.25 per 15. Allen Bussey, Belledower, Ill. 2-3

BARRED PLYMOUTH ROCKS. Ringlet strain—Eggs, \$1 for 15. S. C. Hunter, Hallsville, Ill. 2-3

CHOICE WHITE PLYMOUTH ROCKS—Fishe! strain. None better; in fine condition. Eggs, \$1.25 per 15. Mrs. M. Elliott, Warsaw, Ind. 2-3

WHITE ROCK EGGS—Pens headed by Fishe! cockerels; \$1 for 15; \$5 per 100. A. Paine, Rosemond, Ill. 3-3

BARRED PLYMOUTH ROCKS — Ringlet Strain; also Black Minorcas and Brown Leg-horns; eggs, \$1 per 15. W. L. Dudley, Onanda, Va. 3-3

WHITE PLYMOUTH ROCKS exclusively. Eggs, \$1.50 per 15; \$2.50 per 30. Miss Clara Pullman, Centerville, Iowa. 3-3

BUFF ROCK eggs from private high scoring pen, \$1.50 per 15. Ellis E. Lawrence, Spaf-ford, N. Y. 3-3

BUFF AND BARRED ROCKS. Winners at Bloomington, 1905. Eggs for hatching Buff, \$2; Barred, \$1.50 per 15. Write for mating circular. Frank C. Pietsch, R. R. 4, Bloomington, Ill. 3-3

BUFF ROCKS (Nugget strain). Eggs from extra large, heavy winter layers, and splendid buff colored matings, \$1 per 13. Try us; we guarantee satisfaction. Arthur Taylor, Box A, Washington, N. J. 3-3

WHITE PLYMOUTH ROCKS. Fishe! strain. Silver Cup winners, 1, 2, 3 cockerels; 1, 2, 3 pullet; 1 pen Rockford show; Judge Heimlich large stay white birds. Eggs, \$1.50 per 15; \$2.50 per 30. Thomas R. Heffron, 1215 Jackson St., Rockford, Ill. 3-3

INCUBATOR EGGS from farm range. Barred Plymouth Rocks. Great layers. Prize winners, money-makers; males scoring 90% to 93; head flock. Eggs, \$2 per 50; \$3.50 per 100. Geo. L. Marsh, Ft. Dodge, Ia. 3-3

BUFF ROCKS—My first breeding pen consists of pullets scoring to 93%, mated to full brother of male which headed first prize pen at World's Fair. Second pen headed by 92% point cock-erel, mated to good hens. Eggs from first pen, \$2; second pen, \$1 setting. V. E. Nordin, Rockford, Ill. 3-3

PLYMOUTH ROCKS, Barred, White and Buff, Bradley, Roots and Millville strains. Eggs, \$1 per 15. H. D. Pinckney, Mahopac Falls, N. Y. 3-3

FERRISS WHITE PLYMOUTH ROCKS. 15 eggs, \$1.50; incubator eggs, \$7. Send for card; special matings. David Ferriss, Route 11, Joliet, Ill. 3-3

BUFF ROCKS—Cockerels and hens, prize win-ning stock; eggs, \$2 per 15. Wm. E. Thomas & Sons, R. R. 9, Zanesville, O. 3-3

WRIGHT'S BARRED ROCKS—The kind that win. 15 eggs, \$2. J. Wright, Darlington, Wis. 3-3

BUFF ROCKS. Eggs from pen headed 1st cockerel, Keene; \$3 setting. W. P. Weston, Hancock, N. H. 3-3

WHITE ROCKS. D. T. Root's strain, scor-ing up to 93%; eggs, \$2 per 15. W. D. Stover, Gosheu, Ind. 3-3

CHOICE Barred and Buff Rock cockerels, \$2 to \$5; eggs, \$2 per 15. Chas. Webb, Kinsman, Ohio. 3-3

BARRED ROCKS. Thompson and Hawkins strains; eggs, \$1.50 per 16. W. A. Smith, Burnt Prairie, Ill. 3-3

SEND TO-DAY for mating circular. Frank's Barred Rocks, Bradley Bros.' strain. F. L. Chambers, Blandinsville, Ill. 3-1

BARRED ROCKS and Single Comb Brown Leghorns. Won 31 prizes one show. Eggs, \$2.25, \$1.50, \$1 for 15. Robert Wildefy, Ful-ton, Mo. 3-3

EGGS for hatching, Barred Plymouth Rocks, E. B. Thompson strain; very fine. Write me and I will tell you all about them. A. J. Barr, Manilla, Iowa. 3-3

BARRED PLYMOUTH ROCKS EXCLUSIVE-LY—E. B. Thompson strain. Matings this sea-son unsurpassed. Eggs in season, \$1.50 for 13. Seek and you shall find. J. F. Harding, Browns-burg, Ind. 3-3

WHITE AND BUFF ROCK eggs from stock from Cleveland and Pittsburg first prize winners, \$2 per 15. C. L. Hunter, Greensburg, Ind. 3-3

BEAUTIFUL BLUE BARRED ROCKS (Thompson); score 92 to 94; eggs only, \$1 per 15. Mrs. J. N. May, Marengo, Iowa. 3-3

EGGS. Pure bred stock, Buff Rocks, \$1.50. Single Comb White Leghorn, \$1 per setting. Geo. W. Hatt, Mohns Store, Pa. 3-3

WHITE ROCKS. Fishel's, all first, second, third winners; never defeated. Little Reading, Sanatoga, Pottstown. Eggs only \$1 15. Circular. Harry Levengood, Route 2, Douglassville, Pa. 3-3

BARRED ROCKS—Cockerel matings, Bradley strain. Pullet matings, Thompson strain. Eggs, \$1 per 15; \$1.75 per 30; \$5 per 100. Springfield Poultry Yards, Wyalusing, Pa. 3-3

WHITE PLYMOUTH ROCKS. Bred from Chicago, Joliet winners. Pure white, \$1 per 15; \$2 per 40. George Rigler, Bentonsport, Iowa. 3-3

PURE BARRED PLYMOUTH ROCKS exclusively; stock for sale; eggs in season, \$1 per 15, \$5 per 100. Satisfaction guaranteed. Ed Martin, Route 25, Oconomowoc, Wis. 3-3

BARRED ROCKS—Eggs from pens of prize winners. Let's talk about that setting. Harry Izor, Durand, Mich. 3-3

BARRED PLYMOUTH ROCK Cockerels, from stock scoring 92½, \$1.50 to \$3.00. A. C. Norris, Grinnell, Iowa. 1-3

BUFF PLYMOUTH ROCKS. Prize winners. High scores. Eggs, \$1.50 setting. G. H. Johns, La Salle, Ill. 3-3

BARRED WHITE PLYMOUTH ROCKS. Trio, \$4; 15 eggs for \$1. Peter Klotzky, Munster, Ind. 3-3

BARRED PLYMOUTH ROCKS, EXCLUSIVE-LY—E. B. Thompson's strain, five grand pens, mated to win, lay, weigh and pay. Eggs, \$1.50 per 15, 30 for \$2.75. Breeding circular free. H. A. Werner, Clintonville, Wis. 3-1

220 EGG Strain Trap Nest Bred White Plymouth Rocks. Eggs, \$3 for 15; \$5 for 30. Geo. D. Brandt, Norwalk, Wis. 2-3

BARRED ROCK—Eggs from produce of my \$50 trio that were mated by E. B. Thompson last spring; mated with cockerel recently purchased from Thompson, that he says has but few equals. Eggs, \$3 per 13; \$5 per 26. Lillian Keller, Box 371, Newark, Ohio. 3-3

BUFF PLYMOUTH ROCKS—Pure "Nuggets," the strain that made the breed famous; no more stock. Eggs, \$2 per 15. Yours for quality. Theo. Benner, Bunker Hill, Ill. 3-3

SCHAPERKOTTER BUFF ROCKS—For quality birds, write me; breed only from healthy stock. Eggs, \$2 per 15. E. W. Schaperkotter, Old Orchard, Mo. 3-3

BUFF ROCKS EXCLUSIVELY—Eggs, \$1 per 15; \$2 per 40. Satisfaction guaranteed. Daniel H. Bryant, Oxford, Ohio. 3-3

WHITE PLYMOUTH ROCKS—Fishel strain. Eggs, 15, \$1; 50, \$2.75; 100, \$5. Eggs from select pen. All choice high scoring birds, 15, \$1.50. Chas. A. Stockbridge, Fort Wayne, Ind. 3-3

WHITE PLYMOUTH ROCKS—The kind that win. Scores to 96. Eggs, \$1.50 per 15. Satisfaction guaranteed. Circular free. Ray Cross, Racine, Ohio. 3-3

WHITE ROCKS—Best winning strains. Eggs, \$1.50 per 15, and guaranteed worth the money. Write for particulars and be convinced. Henry Wood, Dwight, Ill. 3-3

BARRED PLYMOUTH ROCKS exclusively (Bradley Bros. strain). Eggs from best matings, \$2 per 13; \$3.50 for 26. Incubator eggs, \$5 per 100. Edmunds & Jones, Barrington, Ill. 2-3

FINE Barred Rocks from prize winners, \$1.50 to \$5 each. C. L. Carney, Charleston, Ill. 2-3

WHITE ROCK EGGS from birds scoring 94½ to 94¾, \$1 for 15. John Jenkins, Oakridge, Mo. 2-3

WYANDOTTES.

HIGH CLASS WHITE WYANDOTTES—Choice stock, old and young, for sale at reasonable prices. Eggs, \$2 per 13. Circular free. L. H. Morse, Newark, New York. 1-4

WHITE WYANDOTTES—Heavy layers. Won at Pontiac and State Show, Detroit, six firsts, four seconds, two thirds, strongest competition. Birds best pen score 92½ to 94. Eggs, \$3 per 15. Will win for you. R. M. Morton, Box 652, Detroit, Mich. 3-4

MANORDALE FARMS—Famous bred-to-lay White Wyandottes; 140 eggs in 151 days is a pullet record. Eggs, \$2 per setting. Joe F. Charles, Mountville, Pa. 3-12

WHITE WYANDOTTE cockerels from very choice exhibition matings—Promoter, Roberts and Jackson strains, each pure. Three and five dollars each. Express paid. H. P. Sheldon, Livonia, N. Y. 1-3

MCDANELL'S GOLDEN WYANDOTTES, clean, open facings, grand combs and eyes. 25 trios for sale that will win in any show. If you want show birds, show color and shape, write quick. 3d pen, 7th cock, St. Louis. J. H. McDaniel, Warsaw, Ky. 1-3

WHITE WYANDOTTES exclusively—Eggs, \$1 per 15; \$5 per 100. Brown egg strain. A limited number of pullets and hens for sale. Satisfaction guaranteed. Book orders now. A. W. Hunsberger, F. R. D. 2, Hatfield, Pa. 2-3

DR. HARWOOD, CHASM FALLS, N. Y. Buff, Partridge, Silver Penciled and Columbian Wyandottes. Finest strains. Circular. 3-3

WHITE WYANDOTTES exclusively; Duston strain direct; positively pure. Eggs, \$1 per 15; \$1.75 per 30; \$3 per 60; \$5 per 100. January egg record and illustrated folder on application. P. W. Gerhart, Jr., Wernersville, Pa. 3-3

WHITE WYANDOTTES. Eggs from my prize winners at \$2 per 15. Eleven prizes, Decatur, three State Show, Peoria. None better bred for exhibition or utility. Victor Dewein, Warrensburg, Ill. 3-3

EGGS from prize winning "Columbian Wyandottes." They have bright yellow legs, finely laced hackle, and great layers of fine eggs. A limited number for sale, \$4 for 15. L. H. Davis, Port Jefferson, N. Y. 3-3

WHITE WYANDOTTES—Best strains bred to lay as well as win; extra large Pekin Ducks. Circular. Eggs a specialty. Chas. H. G. Swelgart, Avondale, Pa. 3-3

WHITE WYANDOTTES. Winners among the world's best birds from my yards being among winners at St. Louis; largest and strongest class ever exhibited. In strong competition this season at Mason City and Webster City. Won seven firsts (tied eighth) out of possible ten. Eggs, \$2.50 per 15. Geo. L. Marsh, Ft. Dodge, Iowa. 3-3

EGGS from large, vigorous, high scoring White and Silver Laced Wyandottes for sale. You need my free circular and prices before buying. Wm. S. Mapes, El Dorado, Ill. 3-3

EGGS from standard bred White Wyandottes, \$1.50 per 26. Charles Rose, Water Mill, N. Y. 3-3

WHITE WYANDOTTES. Large size, fine quality, leading strain of Boston winners. Eggs, choice matings, \$2 setting; three settings, \$5. W. P. Weston, Hancock, N. H. 3-3

WHITE WYANDOTTES. "Duston." Choice stock. Excellent layers. Eggs, \$1.25 for 15; \$5 for 100. L. C. Taylor, Lake View Farm, Lima, Ind. 3-4

PARTRIDGE WYANDOTTES. First premium winners, Illinois State, Indianapolis shows. Eggs, \$3 15. Williams Poultry Co., Saybrook, Ill. 3-3

MY SILVER PENCILED WYANDOTTES won 1st cockerel, 1st and 3rd pullet, 2nd and 4th hen, and 1st pen at the Chicago Show, 1905. Eggs, \$3 per setting. J. E. Armstrong, 10638 Prospect Ave., Chicago. 3-3

DUSTON'S WHITE WYANDOTTES. Best eggs, fifteen, \$2; thirty, \$3.50; others, \$1.50. Leaflet. Morris & Morris, Morrisonville, Ill. 3-3

GOLDEN WYANDOTTES from stock scoring 91¾, 94¾. Eggs, 15, \$1.50; 100, \$5. No stock. Percy Dawson, Route 10, Franksville, Wis. 3-3

WHITE AND PARTRIDGE WYANDOTTES. Eggs, \$1 for 15; fertile eggs a specialty. Wm. Shreve, Ulrichsville, Ohio. 3-3

SILVER LACED WYANDOTTES exclusively. Eggs, \$1.50 per 15. Satisfaction guaranteed. T. W. Wilhite, Hornsby, Ill. 3-3

CHICKS, EGGS, COCKERELS, WHITE WYANDOTTE. Ask for our free Booklet. Cohasset Poultry Farm, R. 2, Muskegon, Mich. 3-3

WHITE WYANDOTTES. The descendants of a long list of prize winners are the make-up of my breeding pens the coming season; large stay white, good shape, hay eyes and good combs; Duston strain, scoring 94½ to 95½. Will sell eggs from these pens at \$2 per setting. Do not miss this, but place your orders early and save delay. Some good cockerels and pullets to sell at prices within reason. G. H. Sunderman, Beardstown, Ill. 3-3

WHITE WYANDOTTES exclusively. Eggs, \$3.50 and \$5 per 100. Cockerels for sale. Mrs. I. Greene, R. 3, Morning Sun, Iowa. 3-3

SILVER LACED WYANDOTTE EGGS. \$1.50 for 15. A. H. Barton, Mt. Ephraim, N. J. 3-3
WHITE WYANDOTTES. Partridge Wyandottes; from best stock money can buy; 15 eggs, \$1.50; \$6 per 100. Louis Stassen, Peotone, Ill. 3-3

SILVER, WHITE AND BUFF WYANDOTTE eggs, 15 for \$2. Buff cockerels. J. M. Conkey, Bement, Ill. 3-1

WHITE WYANDOTTES exclusively. Great layers. Eggs, \$1.25 for 15; \$2 for 30. C. A. Jones, Atlanta, Ill. 3-3

SILVER PENCILED WYANDOTTE cockerels, \$3.00; a fine trio, \$10.00. Partridge Wyandottes, a trio, \$7.50 and \$10.00. E. O. Thiem, Denison, Iowa. 1-3

FIFTY Choice Golden Wyandotte Cocks and Cockerels at bargain prices. Circular. A. F. Hertzler, Burlington, Ia. 1-3

FOR SALE—Thirty choice White Wyandotte pullets and ten cockerels, pure Duston stock. Elmer Jasper, Lafayette, Ind. 1-3

BUFF WYANDOTTES—Quaker Strain. Bred right. Stock for sale. Orders booked for eggs. John F. Eisenhower, Bustleton, Pa. 1-3

PARTRIDGE AND SILVER PENCILED WYANDOTTES—Four National, Nine State Prizes; World's Fair twenty-five Ckls. Ninety-one to Ninety-four Rigg. Otto Canoon, Elsherry, Mo. 1-3

GOLDEN WYANDOTTES exclusively. Keller Strain. Excellent layers. Eggs, \$1.25 per 15; \$2.00 for 30; \$3.00 per 50. No further reduction. Lemuel Greth, Wernersville, Pa. 1-6

HIGH CLASS PARTRIDGE WYANDOTTES. Stock for sale. Eggs, \$3 and \$5 per 13. H. J. Manley, Maplewood, Malden, Mass. 1-6

300 WYANDOTTES—Buff, White and Silver, bred from prize winners. Eggs in season. Write for prices. Blue Ribbon Poultry Yards, Beaver Dam, Wis. 1-3

HIGH GRADE WHITE WYANDOTTES—From \$1 up; eggs, \$1 to \$2 per 15. E. C. Jolly, Franklin, Ill. 2-3

WHITE WYANDOTTES EXCLUSIVELY—Pure white plumage; true Wyandotte shape; standard weight. Eggs direct from winners, \$2 per 15. Circular free. Melrose Poultry Farm, Kenney, Ill. 2-3

EXPRESS PREPAID ON WHITE WYANDOTTE EGGS—Winner of five firsts, three seconds and six specials at the late Goshen Poultry Show. Have won over 100 prizes in the last three years in hottest kind of competition. Eggs from prize winners, \$2 per 15, \$3.75 per 30. Fair hatch guaranteed. Catalogue free. Will H. Schadt, Goshen, Ind. 2-4

WHITE WYANDOTTES—Prize winners at the great Chicago show under Judge Bassell: Duston strain; \$2 per 15, \$8 per 100. H. M. Lovett, 538 E. 44th St., Chicago, Ill. 2-3

WHITE WYANDOTTES—Fine healthy stock. Eggs, \$1.50 per 15. Stock for sale. E. D. Wright, R. 1, Salem, Ohio. 2-5

PARTRIDGE WYANDOTTES—Hens, cocks, pullets and cockerels for sale. No better stock in existence. Have commenced booking orders for eggs. Correspondence solicited. Allen Rowe, 433 Raymond St., Elgin, Ill. 2-3

SILVER LACED WYANDOTTES—None better. Nineteen years a breeder. Address C. H. Thompson, Elsherry, Mo. 2-3

BUFF WYANDOTTES—Well bred, good shape, good color; eggs from 3 pens, \$1 per 13. Edwin J. Seal, Rockford, Ill. 2-3

WHITE WYANDOTTES—Winner of club specials home show; fancy cockerels, trios and pens. Eggs, \$2. J. R. Cannon, Elsherry, Mo. 2-3

WHITE WYANDOTTES—"White Quill" strain; ten birds score 96½ in show. Stock and eggs. Thomas Osborn, Fairfield, Iowa. Briggs St. 2-3

STAY WHITE WYANDOTTES—Standard bred; eggs guarantee 75 to 90 per cent fertile and fair treatment guaranteed; 13, \$1; 100, \$5. W. E. Shoemaker, Laceyville, Pa. 2-3

WHITE AND PARTRIDGE WYANDOTTES—"highest quality; moderate cost. Chas. E. Phillips, Box A, Irvington Sta., Indianapolis, Ind. 2-3

WHITE WYANDOTTES EXCLUSIVELY. Duston blood. Eggs from prize winning matings. Two dollars for fifteen. Extra care to produce fertility. Incubator eggs a specialty. Write for particulars. Fine Cockerels for sale. Geo. S. Pomeroy, Jonesville, Mich. 2-3

COLUMBIAN WYANDOTTES—Winners at Madison Square Garden; a few good cockerels to spare. Eggs, \$3 per setting. Dr. C. J. Anderson Canandaigua, N. Y., "The Black Minorena" 2-05-12

EIGHT PARTRIDGE WYANDOTTE COCK-ERELS from choice mating, very best strain, fine marked birds. W. A. Pierce, Waterville, N. Y. 2-3

PARTRIDGE WYANDOTTES.—Eggs from winners Detroit and Ontario shows. Closing out stock at bargains. L. C. Knorr, Detroit, Mich. 2-3

WHITE WYANDOTTES. "The kind that lay"; 6 years' use of trap nests. Best eggs, \$2 for 15; \$3.50 for 30; \$5 for 45; \$10 for 100. Incubator, \$6 for 100. Circular free. W. B. Candee, Box P, Fayetteville, N. Y. 2-4

YOU CAN purchase White Wyandottes scoring 92 to 95%, by Sonthard, cheap. From A. S. Dean, Route No. 1, Brookfield, Mo. 2-3

WHITE WYANDOTTES ONLY—Three choice matings; eggs, \$1.25, 15, \$2 30. Reference, Havana National Bank, Harry Hill, Havana, Ill. 2-4

COCKERELS—White Wyandottes and White Rock for sale; prices right. D. W. Ponnstone, R. F. D. No. 3, Uniontown, Pa. 2-3

COLUMBIAN WYANDOTTES—Exclusively; eggs, \$1.50 per 15; \$3 per 30. Satisfaction guaranteed. Lewis O. Mayer, Route 2, Millersville, Pa. 2-2

AT WYANDOTTE DEPOT you get eggs that will hatch strong, healthy chicks from White, Buff and Black Wyandottes, carefully mated for practical and exhibition purposes. I guarantee satisfactory hatch or duplicate your order free. I solicit your patronage and assure you I will do all I can to please you. Quality not quantity our motto. Eggs, \$1.25 per 15; \$2 per 30. John Cleverish, Carlisle, Pa. 2-3

SYLVAN WHITE WYANDOTTES—Snow white beauties. A few cockerels bred from stock scoring 93 to 96, at \$1.25 to \$2.50. Eggs \$1. A. Nape, Mt. Horeb, Wis. 2-3

EGGS FOR HATCHING—White Wyandottes, Buff Rocks, Buff Leghorns. Best strains in America. Write for prices. E. S. Hassler, Wernersville, Pa. 1-5

MY COLUMBIAN WYANDOTTES won 1st prize on pen at Boston show 1905. Eggs for sale, \$2 per setting. R. G. Richardson, Lowell, Mass., R. F. D. 2. 2-4

SILVER WYANDOTTE winners. Twenty-four premiums at St. Louis, Belleville and Waterloo, Illinois, 1903-4. Stock scoring 94 points; eggs only \$2 for 15. R. P. Briegel, Columbia, Ill. 2-3

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WHITE WYANDOTTES, White Rocks, Buff Rocks, Partridge Cochins. All high scoring stock. Eggs for hatching, \$1.50 and \$2 per 15. W. C. Youngman, Oregon, Ill. 3-2

WHITE WYANDOTTES—Promoter, Roberts, and Jackson strains direct. Good practical stock. Eggs, \$1.50 per 15; \$2.50 per 30; express paid. H. P. Sheldon, Box S, Livonia, N. Y. 1-3

SILVER WYANDOTTE—Eggs for hatching, from high scoring birds. Pen 1—Utility birds with good lacing; \$1 for 15. Pen 2—Average score of birds over 92 points; \$1.50 for 15. Pen 3—Contains fourth cock at St. Louis, 1st, 2d, 3d and 4th pullets at Beldvire. Expect a large number of show birds from this mating. \$2 for 15. Write me. J. E. Harrington, Sycamore, Ill. 3-3

WHITE WYANDOTTES EXCLUSIVELY—Stock for sale. Eggs, \$1.50 per 15, straight. Address Ed Hipbert, Kewanee, Ill. 3-3

WYANDOTTE EGGS—\$2 per 15. Silver Laced, Pencilled and White. Only exhibition stock. Dr. Litzenberger, Orefield, Pa. 3-3

WHITE WYANDOTTES—Dunston strain direct; large, blocky birds; bay eyes, yellow legs; scoring 91 to 95. Eggs, \$1.15; \$3.50; \$5, 100. Lawn Poultry Yards, Poneto, Ind. 3-3

S. C. BLACK MINORCAS, White Leghorns and White Wyandottes. Eggs, 15 for \$1. Henry Yaggy, Woodburn, Ind. 3-3

HIGH CLASS PARTRIDGE WYANDOTTES—Winners Ohio State Show. Stock and eggs for sale. Frank Werkmeister, Dayton, Ohio. 3-3

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1000 SINGLE COMB WHITE AND BROWN LEGHORNS—Bred in line 26 years for great layers and exhibition; Browns scoring to 95%; Whites to 96. Circular. J. M. Yoder, Millersburg, Ohio. 2-3

ROSE COMB WHITE LEGHORNS—Pure stock; 15 eggs, \$1. Ella L. Waltman, Route 44, New Albany, Pa. 2-3

ROSE COMB BROWN LEGHORNS, Kulp's prize-winning strain. Winners of 2d prize at the great Rochester show, 1905. Eggs, \$1 for 15. Circular free. Member R. C. B. L. Club. Gertrude E. Nichols, R. D. 1, Elkland, Pa. 1-3

S. C. W. LEGHORN EGGS—1st, 2nd, 3rd score 96½, 95½, 95, Erie, 1904. Write I. C. Gates, Sharon, Pa. 2-3

SINGLE COMB WHITE LEGHORNS exclusively. 15 eggs \$1.50. from large, vigorous, well bred stock. Dr. P. L. Kreiss & Son, Benjamin, Pa. 3-5

SINGLE COMB BROWN LEGHORNS, bred to win. Bred to lay. Eggs from prize winners at Pittsburgh, East Palestine, Allegheny and Canal Dover, \$1.50 per setting. Fred H. Cook, Beaver, Pa. 3-3

S. C. BUFF LEGHORNS. Won Silver Cup, Harrisburg, Pa., January, 1905; 4 firsts out of a possible 5. Eggs, \$2 for 13; \$4 for 30. Chas. Fluhme, Box 131, Aspinwall, Pa. 3-3

SINGLE COMB BUFF LEGHORNS. Heavy winter layers. Eggs, \$1 per 13. Chas. L. Fenton, West Winfield, N. Y. 3-3

EGGS, 5c each. Rose Comb Brown Leghorns. Profitable, vigorous farm stock. Satisfaction guaranteed. Daniel Tooker, Edmore, Mich. 3-3

200-EGG ROSE COMB WHITE LEGHORNS. Anderson strain of Australian competition fame. Every hen in breeding pens with trap-nest record of over 200 eggs a year. Eggs ordered from this advertisement only, \$2 15, \$3.50 30, \$5 50. J. Monroe Anderson, Pleasant Hill Potato and Poultry Farm, Muncie, Ind. 3-3

20,000 FERTILE EGGS for hatching S. C. White Leghorns, that are large, vigorous breeders, and a strain of heavy layers. Regular egg machines. \$1 per 15, \$2.50 per 50, \$4 per 100. Big value for the money. C. A. Stevens & Co., Box 20, Wilson, N. Y. 3-3

SINGLE COMB BUFF LEGHORNS. Eggs from choice matings, \$1.50 per 15. Fine stock, excellent layers. Write ns. Westview Poultry Yards, Box 11, Machias, N. Y. 3-3

FREE CATALOGUE. Single Comb White, Buff and Brown Leghorns. Belgian Hares. Failing Poultry Farm, La Fargeville, N. Y. 3-3

ROSE COMB WHITE LEGHORNS. Bred from Chicago, Springfield winners; two fine pens. Pen No. 1, \$1.50 per 15 straight; No. 2, 7c 15, \$1.50 per 30. George Rigler, Bentonport, Iowa. 3-3

I WILL SELL EGGS at \$1 per 15, from my exhibition pen of Single Comb White Leghorns. Write me. Noah Young, Pontiac, Ill. 3-3

WYCKOFF, RICE VAN DRESER strains. Single Comb White Leghorns. Eggs, \$1.50 per 15. \$5 per 100. Stock for sale. Fine breeding cockerels specialty. Write your wants; satisfaction guaranteed. Earl S. Fowler, Sidney, N. Y. 3-3

HUMBOLDT PARK POULTRY FARM. Single Comb White Leghorns exclusively. Large, healthy, vigorous stock; heavy layers; Wyckoff strain (improved); pure white. Eggs, \$1 per 15. Satisfaction guaranteed. D. B. Wiug, 605 Humboldt St., Chicago. 3-3

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SINGLE COMB WHITE LEGHORNS. Heavy laying strain. Regular egg machines. Farm raised. Eggs \$1.50 30, \$4 100, \$7 200. D. Kirchhofer, "A. A." Dalton, O. 3-3

SINGLE COMB WHITE LEGHORNS. Heavy laying strain. Eggs, \$1 per 15, \$2 for 35. A. B. Wingert, 106 Maiden Lane, Springfield, Ohio. 3-3

SINGLE COMB WHITE LEGHORNS exclusively. Good size. Laying strain. Get stock from winter layers if you want to win. Eggs, \$1 per 15, \$5 per 100. F. C. Hyde, Lakeside Fruit Farm, Richfield Springs, N. Y. 3-3

MORROW Q. HATHAWAY, breeder Rose Comb Brown Leghorns exclusively; direct descendants from the Hansel Australian world beaters. Eggs, \$1 per 15, \$5 per 100. Winamac, Ind. 3-3

WANTED—All Rose Comb Brown Leghorn lovers to know how I can afford to sell Five Thousand eggs, from vigorous farm raised Prize Winners, at \$1 per fifteen. Free circular tells how. O. C. Van Doren, Loami, Ill. 3-3

EGGS, Single Comb Brown Leghorns; pullets score 91½ to 93; mated with cock scoring 94½. \$1.50 per 15; 30, \$2.50. Sure to produce some fine birds. Harry Robley, Whitehall, Ill. 3-3

SINGLE COMB WHITE LEGHORNS. Pens score 93 to 95; none better. Eggs, \$1 per 15, \$2.50 per 50. E. G. Judy, Potomac, Ill. 3-3

WORLD'S FAIR WINNER Rose Comb Brown Leghorns. Stock and eggs. Price list free. Also Single and Rose Comb White, Single Comb Brown and Buff. T. N. Smiley & Son, Milligan, Ind. 3-3

BLACK LEGHORNS. Grand in standard and utility. Eggs from choice matings at \$1 per 15. A. B. Howard, Barnesville, O. 3-3

BLUE GRASS STRAIN S. C. Brown Leghorns, standard bred; heavy layers; vigorous stock. 15 eggs, \$1; 30, \$1.50. L. B. Newman, Grange City, Ky. 3-3

SINGLE COMB STAY WHITE LEGHORNS. America's best heavy laying and exhibition strains; winners wherever shown, scoring to 96, choice cockerels for sale. Eggs from special matings, \$2 for 15; other splendid matings, \$1 for 15, \$5 for 100. Circular free. Write P. R. Pfouts, Bucyrus, Ohio. 3-3

ROSE COMB BROWN LEGHORNS. Hardy, strong birds. Special breeder Leghorns 15 years. Eggs, 15, \$1; 100, \$4. New Albany Poultry Farm, New Albany, Pa. 3-3

SINGLE COMB Buff Leghorn Cockerels for \$1 to \$2. Stock extra good. J. E. Cook, Clay Center, Neb. 1-3

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LEGHORN SPECIALIST 12 years. White and Brown Single Comb. Eggs, 13, \$1; 26, \$1.50; 50, \$2.50; 100, \$4; 200, \$7; 300, \$9. Geo. Deer, Sylvania, O. 3-3

EGGS. Rose Comb White Leghorns, \$1 per 13. Mrs. Naunie Oates, Vernon, Ill. 3-3

ROSE COMB WHITE LEGHORNS. Prize winners; layers of large eggs. Eggs for hatching, \$1 and \$2 per 15; \$5 per 100. Wilfred S. Haunor, Grand Rapids, Mich. 3-1

S. C. B. LEGHORNS EXCLUSIVELY. Quality excellent; my customers get great value for their money. Eggs, 75c for 15; \$4 per 100. Fertility high. E. V. Lane, Lacon, Ill. 3-3

SINGLE COMB WHITE LEGHORNS. Bred for eggs with show points not omitted for 27 years. Winners New York, Chicago. Stock and eggs for sale. Eggs, prize-winning pen, \$1.50 farm range, \$1. Rankin Strain Pekin Ducks. Eggs, \$1. Kentucky Bell Poultry Farm, Henderson, Ky. 3-3

EGGS—Rose Comb White and Single Comb Brown Leghorns. Healthy thoroughbred, heavy laying; good points strain; 75c for 15, \$4 for 100. A. G. Anderson, Route 5, Rockford, Ill. 3-3

EGG MACHINES—That is what our S. C. B. Leghorns are. Cockerels, \$1. Eggs, \$1. Wallas Sprang, Plimpton, O. 2-3

LEGHORNS, Buff and Black. Score 92½ to 96, by McClave, Tucker, Rapp. Eggs, \$1.50 per setting. N. J. Fuse, Naperville, Ill. 2-3

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ROSE COMB WHITE LEGHORNS—Pure bred, Prize winners. Satisfaction guaranteed. Eggs from fine matings, \$1 per 15. Mrs. W. C. Glenn, McConnellsville, O. 3-3

BUFF LEGHORNS—Pure Wyckoff and Barnes strain. Eggs from choice matings, \$1.50 per 15. Satisfaction guaranteed. Easterday Bros., Racine, O. 3-3

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EXCLUSIVE and largest breeder of thoroughbred Single Comb White Leghorns in the state. Large, fine early hatched cockerels, 75 cts each. Pullets, \$1. Eggs from pens scoring over 90, \$4 per 100. Satisfaction guaranteed. P. A. Doughty, Bonaparte, Iowa. 3-1

SINGLE COMB WHITE LEGHORNS exclusively, farm range. Won Macon County Poultry, Pet Stock Association, Decatur, Ill., first, third cockerel; first, second, third, fourth pullet; first, second pen; first pair chicks. Eggs from prize winners, \$2.00 per setting; from balance stock, \$1.00; cockerels for sale; satisfaction guaranteed; correspondence solicited. Wilbur Kiser, Hammond, Ill. 1-6

IF YOU WANT a fine, thorough breed S. C. Brown Leghorn stock and eggs, Witman strain, at reasonable price, guaranteed as represented or money refunded, write to John Seiple, proprietor of Hellam Hillside Poultry Farm, Wrightsville, Pa., R. R. No. 2. 2-3

LOOK! 30 S. C. BROWN Leghorn eggs, \$1; 100, \$2.50. Jesse Roberts, St. Charles, Iowa. 3-3

ROSE COMB BUFF LEGHORNS—Winners New York, Boston and Pan; 25 for sale. Eggs. Alfred Thomas, Rockville, Conn. 2-3

SINGLE COMB WHITE LEGHORNS—Rhode Island Reds, Barred Plymouth Rock stock and eggs for sale. F. A. Goddard, Danvers, O. 2-3

S. C. WHITE LEGHORNS—We have the finest stock in the West. Large size, snow white, typical shape. Send for circular. Eggs, \$1 per 15, \$5 per 100. North Lake Poultry Farm, Lake Mills, Wis. 2-4

SINGLE COMB BROWN LEGHORNS—My yards are mated to cockerels from Grove Hill and are bred for heavy laying, as well as for exhibition; 15 eggs, 75c; 50, \$2; 100, \$3.50. Jesse Forney, Birds Run, Ohio. 2-4

ROSE COMB BUFF LEGHORNS—Great layers; 15 eggs, \$1. Leonard A. Waltham, Route 44, New Albany, Pa. 2-3

I PURCHASED of Wyckoff, of Ithaca, some single comb White Leghorns. Will sell eggs, \$1.25 per 15 or \$2 per 30. Also single comb White Orpingtons, \$1.50 per 15. Grace Cummings, Maryland, N. Y. 2-3

ROSE COMB White & Rose Comb Brown Leghorns, 300 birds for sale; eggs for season. Jno. Cook, Route 7, Bluffton, Ind. 2-6

LEGHORNS—White, Brown and Buff; eggs, \$1 per 15, \$2 per 45. Large paper free. Albert Bagwell, R. F. D. No. 4, Paducah, Ky. 2-3

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AMERICAN best Single Comb Buff Leghorns, Arnolds and Lamons strains, eggs \$1 per setting. Buff Leghorn Poultry Yards, Annapolis, Pa. 2-3

S. C. BROWN LEGHORNS exclusively. Stock for sale; eggs in season. Dave Glatfield, Peoria, Ill., Rural 34. 2-3

SINGLE COMB WHITE LEGHORNS.—Chicago and Detroit winners. Eggs, \$2 per 15. Geo. J. Horn, 17 Sherwood Ave., Detroit, Mich. 2-3

ROSE COMB WHITE LEGHORNS.—New York and Chicago winners. Circular free. W. W. Wood and Co., Angola, Indiana. 2-3

SINGLE COMB BUFF LEGHORNS. Standard strain. Breeding pen contains solid colored birds. Two pullets scoring 95% each, cock bird 94% (bred to lay); eggs \$2 for 13. Clarence C. Woodcox, St. Joe, Sta., Ind. 2-11

SINGLE COMB BROWN LEGHORN Cockerels for sale. Write me your wants and I will endeavor to please you. Good birds from \$1 up, depending on quality. Paul T. Hohart, Roscoe, Ill. 1-3

BARGAINS—Single Comb Brown Leghorn Cockerels, \$1 and \$2 each, fine as silk and sure to please you. Harry Robley, Whitehall, Ill. 1-3

ROSE COMB WHITE LEGHORNS for sale. Eggs, \$2 for fifteen; \$4 hundred. First Herald Square. W. S. Huslander, Scranton, Pa. 1-3

S. C. BUFF LEGHORNS. Good birds, \$1.50 to \$3.00. Easterday Bros., Racine, Ohio. 1-4

I HAVE Single Comb White Leghorn Cockerels and Eggs to offer you; 300 layers; setting, \$1.50; 100, \$5. H. C. Beebe, Canton, Ill. 1-4

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SUPERB BUFF COCHIN—All stock sold on approval. Eggs in season. W. N. Watson, Sunbury, Pa. 2-3

PARTRIDGE COCHINS and Single Comb Brown Leghorns, young and old. Choice lot of cockerels, at bargain prices. Eggs for sale. Write us. Larrabee & Sons, Hammond, Ill. 1-3

HIGH GRADE PARTRIDGE COCHINS from \$1 up; eggs, \$1 to \$2 per 15. E. C. Jolly, Franklin, Ill. 2-3

PUFF COCHINS—Line bred. Immense feathering, rich, golden buff color; large size; true cochin shape. The cream of my breeding cockerels and pullets yet to sell. Prices right. E. J. Fish, Vigil, O. 2-3

BUFF COCHINS. Eggs from stock scoring 94 up. Male, 96. Frank Temple, Elsberry, Mo. 3-3

PARTRIDGE COCHINS—Winners anywhere. Cockerels, \$3; pullets, \$2. Eggs, \$2 and \$3. Circular free. Dr. T. J. Lyne, Stockport, Ohio. 3-3

BUFF COCHINS—Stock all sold except for own use. Eggs, \$1 for 15. W. F. Crans, Circleville, N. Y. 3-3

BRAHMAS.

DARK BRAHMAS—Write us if in need of fancy stock for the show room. Also a great laying strain. Address Jibben Sisters, Dows, Ia. 1-3

LIGHT BRAHMAS from prize stock, young and old birds, males and females, for sale. Special prices to make room. Prices free. Engart Denman, Hanover, Ohio. 1-3

LIGHT BRAHMAS—Eggs from winners, \$3 for 15; eggs from penned birds; incubator eggs, \$6 per 100. Pen outside flat. E. O. Willoughby, R. R. 3, Blue Mound, Ill. 2-3

LANGSHANS.

MRS. B. F. SCOTT, Waverly, Kan., White Langshan Specialist, has cockerels and breeding stock for sale. Scored by Judge Emry, Jan. 28, 1905, 93½ to 96%. Eggs, \$2 per 15. 3-3

HETTICH BLACK LANGSHANS — Yards headed by sons of 1st cock at World's Fair, 15 eggs, \$1.50. C. R. Smith, Burnt Prairie, Ill. 3-3

BLACK LANGSHANS—Eggs from high scoring stock; \$3 per 15. M. P. Elsberry, Elsberry, Mo. 3-3

BLACK LANGSHANS—First cockerel, Chicago, 1905; four firsts at Elgin, scoring 94 to 96%. McClave, judge. E. W. Colton, Elgin, Ill. 3-3

WHITE LANGSHANS from St. Louis, Chicago winners; score to 96. Eggs, \$1.50 per 15; guarantee nine chicks. Circular free. Ernest Cross, Racine, O. 3-3

BLACK LANGSHANS—Choice pullets, prize-winning stock, \$1.50. Eggs for March and April, 15 for \$1.25. R. A. Creek, New Castle, Ind. 3-1

BLACK LANGSHANS—Exclusively. First-class stock. Prices reasonable. Mrs. Annie McDaniel, Box 384, Hickman, Ky. 1-3

TRY OUR Black and White Langshans. Winners Hagerstown, Louisville, Syracuse, Poughkeepsie. Fine show and breeding specimens reasonable. Eggs, \$2 and \$3 per setting. Expressage prepaid. George Bealer, Nicholasville, Ky. 1-3

BLACK AND WHITE LANGSHANS—Eggs in season, \$1.50 for 15. A few fine black cockerels for sale at reasonable prices. Satisfaction guaranteed. Mrs. A. M. Mathewson, Geneva, Neb. 2-3

WHITE LANGSHANS, Buff Rocks, choice stock; farm raised; eggs, \$1.25 per 15. Bronze turkeys. Lizzie Mumpower, Chillicothe, Mo. 2-3

EGGS of Pure Bred White Langshans. One dollar for 15. Jacob Magruder, Green Spring, Ohio. 2-3

WHITE LANGSHANS—Choice birds, \$2 and \$3 each, from Chicago winners. Satisfaction guaranteed. Ernest Cross, Racine, Ohio. 3-3

MINORCAS.

WHITE MINORCAS—At the greatest Chicago Show, ours won 1st, 2nd, 3rd pen, 1st cock, 1st, 2nd, 3rd, 5th cockerel, 1st, 3rd, 4th, 5th pullet, 2nd, 3rd, 4th, 5th hen and 2 silver cups. The Record Trap Nest is positively the best. S. A. McWilliams, 3456 Michigan Av., Chicago, Ill. 3-11

A FEW Rose Comb Black Minorca cockerels and hens for sale cheap. Winners! Eggs in season. Gordon W. Kingsbury, Ann Arbor, Michigan. Mention A. P. J. 1-3

RICHLAND POULTRY YARD, Waynesville, N. C. Single Comb White Minorcas, exclusively. Young and old stock for sale. Eggs, \$1.50 for 15. 2-5

SINGLE COMB BLACK MINORCAS. One dollar each. Peter P. Stekelee, Muskegon, Mich. 1-3

S. C. LARGE WHITE MINORCAS EXCLUSIVELY—C. W. Jerome strain; a few choice birds for sale. Eggs in season at \$1.50 per 15 from prize winners. H. P. Wheeler, Jonesville, Mich. 2-3

ASHLAND PARK, Shields' egg strain single comb Black Minorcas, bred for years exclusively. Eggs, \$3 per 13, \$5 per 26, \$18 per 100. T. M. Shields, Ashland, Wis. 2-3

FORD'S SINGLE COMB BLACK MINORCAS—Five entries made 5 winnings, Louisville, December show; farm raised; utility and exhibition stock and eggs. Write me. L. B. Ford, Wades Mill, Ky. 2-3

SINGLE AND ROSE COMB MINORCAS. Winners at Chicago, Detroit, Lansing, Pontiac, Durand, Dearborn. Cockerels \$2 up. Eggs in season. Baumann, 169 Field Ave., Detroit, Mich. 2-3

ROSE COMB BLACK MINORCAS—Prize winners at Chicago, Madison Square Garden, Rochester and other large shows. Greatest winter layers in existence. Trap-nest records. S. T. Campbell, Mansfield, Ohio. 2-3

SINGLE COMB BLACK MINORCAS EXCLUSIVELY—Eggs, \$1 per 15. E. M. Boose, Silver Run, Ind. 3-1

SINGLE AND ROSE COMB Black Minorcas, Northrup-Campbell strain. Winning cockerels for sale. Orders booked for eggs. J. F. Kellogg, Jacksonville, Ill. 2-3

LARGE BLACK MINORCAS exclusively. Choice young stock and eggs cheap considering quality. Write Wm. Franklin, Harvey, Ill. 2-3

S. C. BLACK MINORCA COCKERELS—Mrs. J. C. Wirts, Delavan, Wis. 3-1

SINGLE COMB BLACK MINORCAS—Northrup strain. Eggs, \$2 per setting; 2 settings, \$3.50. A good hatch guaranteed. I also breed Barred Rocks, Bradley Bros.' strain. B. W. Porter, La Grange, Ill. 3-3

SINGLE COMB BLACK MINORCAS EXCLUSIVELY—Birds win again. Eggs, \$2.50 per 13, \$5 per 30. Circular free. Geo. L. Alban, Adrian, Mich. 3-3

S. C. BLACK MINORCAS EXCLUSIVELY—Large, vigorous stock, properly mated. Eggs, 15 \$2. Herman Drees, Warsaw, Ky. 3-3

ROSE COMB BLACK MINORCAS EXCLUSIVELY—Northrup-Sutton strain. America's very best. Exhibition and breeding birds a specialty. Satisfaction guaranteed. Eggs for sale. Chas. P. Stevenson, Kilbuck, Ohio. 3-3

SINGLE COMB BLACK MINORCAS EXCLUSIVELY (Northrup strain)—15 eggs, \$1. B. C. Deyo, New Paltz, N. Y. 3-3

ROSE COMB WHITE MINORCAS are a new breed with a great future. Eggs, \$2.50 setting. Circular free. Lewis Hudson, Ellishurg, N. Y. 3-3

BLACK MINORCAS—Northrup strain. Eggs, \$1.50 per 15; \$5 per 100. J. J. Waters, Box H. Sidney, N. Y. 3-3

BEST SINGLE COMB BLACK MINORCA eggs, \$1.25 per setting. Rev. Lewis Richey, Georgetown, Ohio. 3-3

W. W. BROWN breeder of prize winning S. C. B. Minorcas, Northrup strain. Eggs, \$1.50 and \$2 per 15. Springfield, Tenn. 3-3

MY ROSE COMB BLACK MINORCAS won 1st, 4th, 5th pullets, 3d cock, at Chicago Dec. Show. Cockerels for sale. Eggs, \$1.50 per setting. Wm. J. Menke, 713 N. 13th St., Quincy, Ill. 3-3

WHITE MINORCAS—Meiselbach strain; first hen, second pullet, third cockerel, Chicago Dec., 1904. Every first and second prize, Belvidere, Ill. Eggs, \$3 per 15. Fred Helsing, 169 S. Clark St., Chicago, Ill. 3-1

ORPINGTONS.

HURON Buff and White Orpingtons have size, shape and color, and win for our customers in largest shows. Book egg orders now. Stock for sale. Thos. H. Mills, Box 3, Port Huron, Mich. 1-3

BUFF ORPINGTONS (Cook). Stay-White Rocks (Hawkins). W. I. Game (Bicknell). Choice high-scoring cockerels, \$2 to \$5. Springbranch Poultry Farm, Bellville, Ohio. 1-3

SINGLE COMB Buff Orpingtons. Quality First, Last and Always. Stock and Eggs for sale. Write for particulars. C. C. Arnett, Rivesville, W. Va. 1-3

BUFF ORPINGTONS, Cook strain. Birds, \$2 to \$5. Eggs, 15, \$2. Satisfaction guaranteed. Ezra L. Hadley, Doniphan, Neb. 2-3

SINGLE COMB BUFF ORPINGTONS—From prize winning strain. Stock all sold. Eggs—Eggs, T. J. Pifer, Palestine, Ill. 2-3

SINGLE COMB BUFF ORPINGTONS—Williams strain; America's best. Stock and eggs for sale. Terrace Place Poultry Yards, Frank Whelden, Greenwich, N. Y. 2-3

BUFF ORPINGTONS and S. C. White Leghorns, bred from prize winning stock. Excellent layers and good hatch guaranteed. Fifteen eggs either variety, \$2. H. S. Glenn, Hamilton, Pa. 2-3

BUFF ORPINGTONS—Winners at Fostoria; incubator eggs now; choice stock for sale. A. A. Bair, Melrose, O. 2-3

SINGLE COMB BUFF ORPINGTONS—Nothing but high grade stock. Stock and eggs for sale. L. W. Crank, Elsberry, Mo. 2-3

MY SINGLE COMB BUFF ORPINGTONS won four firsts at the Hoosier State Poultry Show in strong competition. My stock is bred for utility as well as fancy. Eggs this season, \$1.50 per 15. George Dahlenburg, Seymour, Ind. 2-3

S. C. BUFF ORPINGTON EGGS, 15, \$3. Stock from imported and prize winners. Walter Tallen, Route No. 1, South Haven, Mich. 2-3

SINGLE COMB BUFF ORPINGTONS, imported and American bred. Eggs and stock. Circular free. Boston Terrace Poultry Plant, Mount Carmel Center, Conn., Purley C. Butterfield, Owner. 1-3

SINGLE COMB WHITE AND BUFF ORPINGTONS—The world's greatest layers. Strong, vigorous birds. Satisfaction guaranteed. Write for prices. Isaac N. Overpeck, Rockville, Ind. 2-3

S. C. BUFF ORPINGTONS. Eggs from pen No. 1 headed by large imported cockerel, \$4 for 15. Other pens \$3 for 15. Fred E. Wright, Box A, Monmouth, Ill. 2-3

ROSE COMB BUFF ORPINGTONS, Bailey and Beatty direct. Eggs from choice matings, \$2 for 15. W. B. Ganiard, Delta, Ohio. 2-3

BUFFS EXCLUSIVELY; CANADA'S BEST—Champion cock 1905, 3 pens mated, \$3 and \$5, catalogue. P. E. Aird, Montreal. 2-3

WHITE ORPINGTONS—World's Fair winners, scoring up to 95%; all stock sold; a limited number of eggs at \$3 per 15. Mrs. Minnie Hansen, Warsaw, Ky. 2-3

BUFF ORPINGTONS—Single comb. Twelve first prizes this season at Detroit and other Michigan shows. Stock for sale. Eggs, 15 \$3; 30, \$5. C. C. Goodes, Flint, Mich. 2-3

BUFF ORPINGTONS. White Wyandottes, Barred Rocks, R. C. White Leghorns, S. C. Brown Leghorns. Strictly pure bred and winners. Write to me what you want. LaGrange Poultry Farm, LaGrange, Ohio. I. A. Freeman. 1-5

JUBILEE ORPINGTONS—Won 1st prize cock at St. Louis; 3d hen. Some fine cockerels for sale. Best pens in this country, mated for the egg trade. J. H. McDaniel, Warsaw, Ky. 1-3

SINGLE COMB BUFF ORPINGTON EGGS that will hatch chicks equal to the best. Several pens mated that are headed by absolutely solid Buff males, with true Orpington shape, full deep bodies, short legs and rich undercolor. They are mated to females that will bring grand results. Eggs, \$3 per 15. Express prepaid. Catalogue giving my winnings, photo of birds, etc., free. Will H. Schadt, Secretary of National Single Comb Buff Orpington Club, Goshen, Ind. 3-3

S. C. BLACK AND BUFF ORPINGTONS—Winners at Chicago, Cincinnati, Louisville and Warsaw. Stock for sale. Buff eggs, \$3; Blacks, \$5. O. A. Bogardus, Box B, Warsaw, Ky. 3-3

ROSE COMB BUFF ORPINGTONS. Rose Comb White Minorcas, Buff Rocks. Get my circular and prices of eggs. B. Wenk, Washington, Ill. 3-3

SINGLE, ROSE COMB BUFF, Single Comb White Orpingtons. Eggs, \$1.50 per 15. Half price after April. J. W. Eastes, Box D, Galesburg, Ill. 3-3

BUFF ORPINGTONS—Eggs, 10c each from Cook strain. Prize cockerel. A. E. Thomas, Route 12, Galveston, Ind. 3-3

S. C. BLACK AND BUFF ORPINGTON eggs for hatching, direct from my prize winners. C. A. Watling, 36 E. Bayard St., Seneca Falls, N. Y. 3-4

WHITE ORPINGTONS—Fine stock for sale. Eggs, \$2 per 15. Write me. Fred Pilkinton, Portland, Mich. 3-3

ORPINGTONS—Single Comb. Buff, Black, White. The quality that wins; 32 first and other premiums at Cincinnati and Ohio State Shows, 1905. Eggs, \$3; from yards containing imported birds. H. A. DeMand, Oxford, Ohio. 3-3

SINGLE COMB BUFF ORPINGTONS—Prize-winning stock. Eggs for sale. L. A. Anderson, Batavia, Ill. 3-3

BUFF ORPINGTONS—S. Comb. My Buffs are Orpingtons in shape, size and color. Stock and eggs for sale. From prize winners. A. C. Hurrell, F. D. 3, Richmond, Ind. 3-3

BREEDER of high class Buff and White Orpingtons; grand in size and shape and color. Eggs from select matings, \$2 per setting. H. M. Keeny, Red Lion, Pa. 3-3

WHITE ORPINGTON HOME—America's largest specialty S. C. White Orpington farm. Eggs, per 15, \$3; 30, \$5. Illustrated and descriptive circular free. Earl L. Cook, Munnsville, N. Y. 3-3

ROSE COMB BUFF ORPINGTONS—First prize pen at Madison Square Garden, 1905. Cock was first cockerel, 1904. His sire was imported from Cook after he won 5 first in England. Pullets hatched from eggs bought of Cook & Sons. \$4 setting. Write for circular. J. W. Andrews, Dover, N. J. 3-3

BUFF AND WHITE ORPINGTONS—Winners at Herald Square; 5 firsts and 3 specials at Auburn. Eggs, \$3 to \$5. Irving Crocker, Seneca Falls, N. Y. 3-3

RHODE ISLAND REDS.

SINGLE COMB Rhode Island Red cockerels from best stock obtainable, \$2 up. Satisfaction guaranteed. F. M. Malone, Cayuga, Ind. 12-3

FOR SALE—Choice Single Comb Rhode Island Red Cockerels, \$2.00 to \$5.00 each; trios, \$7.00. W. P. Lillibridge, St. Charles, Ill. 1-3

RHODE ISLAND RED Rose and Single Comb Partridge Wyandottes. Special mated eggs, \$1.25 per 15. Circular. Standard Club members. Incubator eggs. Before placing order, write us. Rhode Island Red Poultry Farm Co., Malden, Mass. Mention A. P. J. 1-8

ROSE COMB RHODE ISLAND REDS—Exclusively. Winners at Madison Square Garden and Herald Square, New York; Newark, Trenton, Atlantic City, N. J. Eggs for hatching. Send for circular. Louis Anderson, Bloomsbury, N. J. 1-5

RHODE ISLAND REDS. Rose and Single Comb. A choice lot of cockerels for sale. Prices low, quality high. W. E. Delano, Elmwood, Mass. 1-3

SINGLE COMB RHODE ISLAND REDS—First class stock, heavy winter layers. Eggs and young stock for sale. Arch Campbell, Washington St., Leavenworth, Kans. 2-3

CHOICE ROSE COMB R. I. RED Cockerels, \$2 each. Eggs, \$1.50 per 15. Single Comb Brown Leghorn eggs \$1 per 15. E. B. Davis, Perry, Mich. 2-3

64 REGULAR AND 10 SPECIAL* PRIZES on 70 entries at National Shows. Utility bred, too. Get our circular before buying elsewhere. Satisfaction guaranteed. Scheibel & Fox, Box H, Hollisterville, Pa. 3-3

PEERLESS S. C. REDS—The best ever; hotbed of New York and Boston winners. Choice eggs, \$2. John Crowther, the Rhode Island Red Man, Fall River, Mass. 3-1

"AYER'S" RHODE ISLAND REDS. Eggs from high scoring birds. Book your orders now. A. H. Ayer, Painesville, O. 3-3

REDS—Unsurpassed early layers. For seven years winners in New England's biggest shows. Eggs, \$1.25 setting; three settings, \$3. W. P. Weston, Hancock, N. H. 3-3

HANSEN'S RHODE ISLAND REDS—The world's champion prize winners and egg producers. Won more cash prizes and more special prizes at the World's Fair than any others exhibited. At Madison Square Garden, N. Y., January, 1905, won 1st cock, 1st hen, 1st cockerel, 1st pullet and three specials for color and shape on 4 entries. Eggs, \$3 and \$5 per 15 eggs. C. M. Hansen, Warsaw, Ky. 3-3

ROSE COMB R. I. REDS—Tittle strain, eggs \$1.50 per 15. D. F. Valentine, Ft. Wayne, Ind. 3-3

BECK'S MAJESTIC STRAIN OF ROSE COMB REDS—Have won at Chicago, Indianapolis, Fort Wayne and other big shows. Eggs for sale at \$1.50 and \$3.00. Illustrated circular giving origin, prices, etc. E. E. Beck, Hammond, Ind. 12-4

R. I. REDS, BUFF ROCKS AND WHITE WYANDOTTES—Eggs, \$1 per 15. Meadow Brook Poultry Farm, Perkaskie, Pa. 3-3

WE HAVE WON more first prizes in strong competition than any other breeder of Reds. Send for circular of winnings. Stafford Bros., Fall River, Mass. 3-4

CONN'S AMERICAN BEAUTY STRAIN ROSE COMB REDS—First prize winners at Detroit, Toledo and Chicago, 1905. Send for circular. L. L. Conn, Durand, Mich. 3-3

RHODE ISLAND REDS won 1st pullet and 3rd cockerel on Single Comb, 1st pullet and 3rd cockerel on Rose Comb at Niles, Ill., show, 1905. Eggs for sale from winners, \$1.50, setting; incubator eggs, \$6 hundred. Gilbertson, Norwood Park, Ill. 2-3

ROSE COMB REDS—Won twenty-one ribbons and ten special premiums at four Michigan shows with hottest competition. Eggs for sale. Carl T. Holmes, Durand, Mich. 2-3

BUCKEYE REDS.

BUCKEYE REDS—Pea Comb Buckeyes are the largest, darkest Reds. Best layers. Booklet free. Red Feather Farm, Warren, Ohio. 3-5

AMERICAN REDS.

AMERICAN REDS—At the Minneapolis meeting of the American Poultry Association the breed heretofore known as R. C. R. I. Reds was admitted to the Standard under the name American Reds, which is now the official name for the breed.

Application for admission to the American Red Club should be made by those who do not breed S. C. R. I. Reds to F. D. Baerman, Secretary, Punellen, N. J. 3-2

ROYAL RUBY STRAIN AMERICAN REDS—Send for circular of winnings, matings and stock. Go. Bachman, Tannersville, N. Y. 2-4

POLISH.

WHITE CRESTED BLACK POLISH—Acquaint yourself with this variety. They equal the pheasant for beauty, lay as well as Leghorns, and are non-setters. Eggs from stock winning at Chicago and World's Fair, St. Louis, shows. Price and circular on application. Fine breeding cockerels, \$4 each. Satisfaction guaranteed. Geo. W. Trent, Ravenswood, Ill. 2-3

SPANISH.

SPANISH a specialty for 45 years. Circular and photo free. John Bennett, Snuman, Ripley Co., Ind., Box 555. 1-3

HAMBURGS.

SILVER SPANGLED HAMBURGS AND BUFF WYANDOTTES—First hen, pullet and cockerel, Chicago; four first. Duhaque; sweepstakes \$15. Elgin. Stock sale. Eggs, \$2. Alexander Thoms, Elgin, Ill. 3-3

SILVER SPANGLED HAMBURG eggs from large egg strains, \$2 per 15. J. E. Armstrong, 1063S Prospect Ave., Chicago. 3-3

GOLDEN SPANGLED HAMBURG eggs for sale in season at \$2 per doz. Send stamp for reply. D. J. Evans, Venedocia, O. 3-3

SILVER SPANGLED HAMBURGS—Eggs from five grand pens. Write for mating sheet. Earle Wilson, Salem, N. Y. 3-3

HOUDANS.

HIGH GRADE HOUDANS—Some fine birds for sale. H. M. Sparboe, Webster City, Ia. 1-3

HOUDANS—Winners at big shows, strongest competition. Exceptionally fine pen, scores 92% to 95. L. C. Knorr, Detroit, Mich. 3-3

HOUDANS—Choice stock for sale. Eggs, \$1.00 per 15. Write. Fred Pilkinton, Portland, Mich. 3-3

ANDALUSIANS.

ANDALUSIANS—Peerless Blue strain, won 74 premiums at leading shows, including World's Fair and Madison Square. Eggs for hatching. Circular. R. H. Quackenbush, Baldwinsville, N. Y. 2-3

BLUE ANDALUSIANS, strong, healthy stock. Cockerels for sale. Eggs by the dozen or hundred. Five first premiums at the Tiffin, O., show, Jan. 1905. Write me before buying elsewhere. L. C. Taylor, Gibsonburg, Ohio. 2-3

BLUE ANDALUSIANS EXCLUSIVELY—Bred since 1899 with the most scrupulous regard for health and vigor, as well as for standard requirements. Always winners in the hottest competition. The unparalleled record of Morse's Lonesomehurst Strain is set forth in a circular with 15 half-tones taken from life, which may be had for 2 cents to pay postage. Edward L. C. Morse, S200 Cornell Ave., Chicago, Ill. 3-11

BLUE ANDALUSIANS—America's best. Circular free if you mention this paper. Ray Poultry Yards, Franklin Park, Ill. 3-3

HIGH CLASS BLUE ANDALUSIANS—Choice stock for sale. Eggs, best pen, \$3 per 15; other pens, \$2 per 15. Circular. E. A. Parks, 160 Brighton Ave., Syracuse, N. Y. 3-3

ANCONAS.

MOTTLED ANCONAS—The great winter layers. Wonderful egg producers ten months of the year. Large eggs. Non-setters. Egg production with Anconas our specialty. Have splendid laying strain, bred five years from our best winter layers, and thoroughbred exhibition stock. Hatching eggs reasonable. Write for circular describing these great layers. Ancona Poultry Yards, Garrettsville, Ohio, J. B. Barnard, prop. 3-1

MOTTLED ANCONAS—The great layers. Eggs from choice breeding stock with unlimited range, \$1 per 15; \$5.00 per 100. Mrs. Adaline R. Gosler, Matfield Green, Kan. 3-3

MOTTLED ANCONAS, winners at Detroit State Show. Best winter layers. Stock and eggs for sale. C. H. Zalewski, Dowington, Mich. 2-3

ANCONAS—Red Caps, first prizes everywhere; 15 eggs \$2. Other varieties, 20 eggs \$1. Cir. C. A. Knight, Olena, Ohio. 2-3

BEAUTIFUL ANCONAS, grand in standard and utility qualities. Splendid layers, winter and summer. Best winter layers, big white eggs. Catalogue free. O. S. Evans, Roxbury, Ohio. 2-3

GAMES.

PIT GAMES—See ad, page 263. V. C. Haskell, Zanesville, O. 3-tf

HEAVY WEIGHT Black, Red and Silver Duckwings; pit; games; eggs, \$1.50 per 13. Stamp for circular. Clark Price, Rochester, Mich. 2-3

EXHIBITION Black Breasted Red Games of finest type and best blood in America. Choice stock for sale. Eggs \$3 for 15. H. T. Herman, Carlisle, Pa. 2-3

ONE HUNDRED PERCENT better than ever. Eggs \$1 per 13. Hathwoods, Irish Blk. Reds, Tomadus, Irish Grays, Cornish Indians, \$2. White Indians, \$3.50. Circular free; fowls all times. C. D. Smith, Fort Plain, N. Y. 2-4

INDIAN GAMES.

CORNISH AND WHITE INDIANS—Boston, New York, Chicago and World's Fair winners. Stock for sale. Eggs, \$5 per setting. W. S. Templeton, Box A, Dakota, Ill. 3-3

FOR SALE—30 Cornish Indian Cockerels. Eggs from five pens of choice matings, \$2.00. Wm. Yeager, Napoleon, O. 3-1

VICTOR CORNISH INDIANS—World's Fair, Chicago, Milwaukee, Grand Rapids, Oshkosh. Winners. Eggs, 15, \$3; 30, \$5. H. A. Huey, Casnovia, Mich. 3-3

BANTAMS.

GAME BANTAMS—See ad, page 263. V. C. Haskell, Zanesville, O. 3-1f

WON MORE FIRST prizes Pan-American Exposition on Golden and Silver Schrights than all competitors combined. Choice Buff Cochins Bantams, 200 youngsters cheap. Clyde Proper, Schoharie, N. Y. 11-5

BLACK COCHIN BANTAMS—Madison and Herald Sq. winners. Eggs, \$3 per 13. Dr. Litzenberger, Onfield, Pa. 3-3

COCHIN BANTAMS. Buff and Black. Score 93 to 96, by McClave, Tucker, Rapp. Eggs, \$1.50 per setting. N. J. Fuse, Naperville, Ill. 2-3

BLACK COCHIN BANTAMS—At the great Chicago show, January, 1905, second cock, first and fourth hen, first, second and third pullets, first pen, two specials. Choice birds for sale. Eggs in season, \$3 per setting. F. A. Prager, Norwood Park, Chicago, Ill. 2-3

BLACK BREASTED RED GAME BANTAMS—Mrs. W. C. Weaver, Muscatine, Ia. 2-2

RED CAPS.

ENGLISH RED CAPS. Fishel's White Rocks, few cockerels for sale. Booking orders for eggs, 15 eggs, \$1.00. Clarence W. Waltman, Laddsborg, Pa. 1-4

PHEASANTS.

PHEASANTS—100 Golden Pheasants, \$8.50 per pair. Other varieties cheap. Eggs in season, 40 Peafowl, \$11 pair, 1,000 Homers, 95 cents pair. Ferd Sudow, Hyde Park, N. Y. 1-6

DORKINGS.

I HAVE FEW choice Silver Gray Dorking cockerels for sale; imported stock and prize winners. Eggs, 13 for \$2. J. Brough Jones, Venedocia, Ohio. 3-3

SEVERAL BREEDS.

EGGS—Black and Buff Leghorns; imported stock. Black Minorcas, Northrup strain. Black African Bantams. Scores 93 to 95%. Wittelsberger & Son, 332 Twentieth St., Detroit, Mich. 3-3

B. B. RED GAMES, S. C. Black Minorcas. Farm raised. Cockerels, both breeds, \$2 each. R. S. Phillips, Choc, Mo. 2-3

EGGS—Fifteen for \$1; 30 for \$1.50. White Plymouth Rocks and White Wyandottes. Sunny-side Fruit and Poultry Farm, Jeannette, Pa., R. D. 1. 2-3

SINGLE COMB WHITE and Brown Leghorns, Barred Rocks, Columbian Wyandottes, White Holland Turkey eggs. Birds score \$3 and up. Write for my whinlups and prices. Langshan and Partridge Wyandotte cockerels for trade. D. I. Howard, Aberdeen, Miss. 2-2

PURE BRED CHICKENS—12 varieties. Eggs and fowls for sale. Mrs. Quimby Larkin, Mankato, Minn. 3-3

EGGS for batching from nine varieties of Pure Bred Poultry Eggs, \$1 per 15. Catalogue free. Write name and address plain. J. B. Gross, R. F. D. No. 1, Coopersburg, Pa. 2-3

SIXTY-SIX PREMIUMS AT ONE SHOW—Twenty varieties. Orpingtons, Wyandottes, Rocks, Leghorns, Langshans, Cochins, Brahmas, Ducks, Geese, Turkeys. Eggs, \$1.50 and \$2 setting. Infertile eggs replaced free. Enterprise Poultry Farm, Watertown, S. D. 3-3

FERTILE EGGS from Single and Rose Comb R. I. Reds, B. P. Rocks, White and Buff Leghorns. Winners at Allentown, Bethlehem, Harrisburg, Trenton and Madison Square Garden. Eggs, \$1.50 per 15; \$3 per 45. Shady Lawn Farm, Shelly, Pa. 2-3

FOR SALE—Choice Black and White Langshans, Single Comb Brown Leghorn cockerels or pullets, Buff Rock cockerels. Eggs, pen 1, \$1.50 per 15; 2, \$1. Guaranteed as represented. C. W. Wain, East Monroe, Ohio. 1-3

WHITE PLYMOUTH ROCK and Single Comb White Leghorn cockerels, pullets and eggs for sale reasonable. E. Field & Son, Camden, Ohio. 1-3

GET EGGS from Prize Winning Birds, Score 92 to 96. White Wyandottes, Barred Rocks, Single Comb White and Brown Leghorns, White Holland Turkeys. D. I. Howard, Aberdeen, Miss. 2-2

OAK GROVE POULTRY YARDS breeds White and Silver Laced Wyandottes, Black Langshans, Mammoth Bronze Turkeys. Eggs for sale. Show record never been equaled. Circular free. E. B. Barnett & Son, Michigantown, Ind. 3-3

TO ADVERTISE MY BREEDS will sell eggs at 75c per 13. White Wyandottes, White and Barred Rocks, Fishels & Bradley strain; Black Minorcas, Frethaway strain. C. L. Yergey, Douglassville, Pa. 3-3

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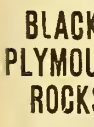
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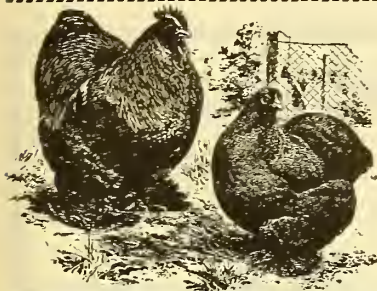
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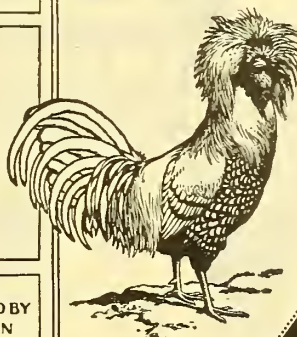
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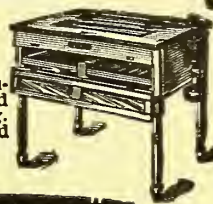
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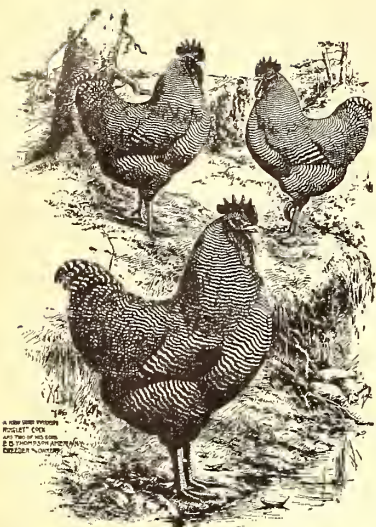


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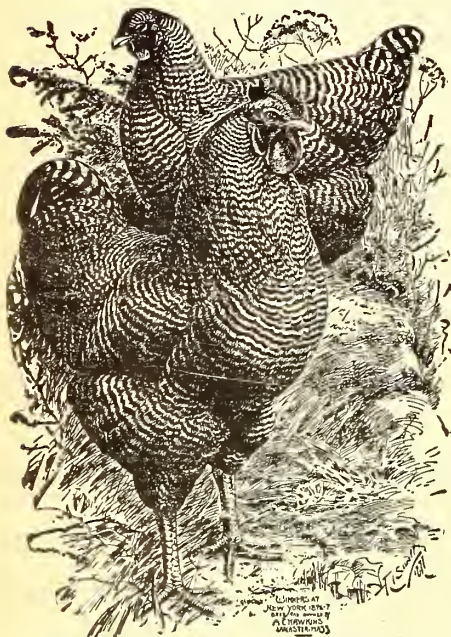
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AMERICAN POULTRY JOURNAL

Vol. 36

April, 1905.

No. 4.



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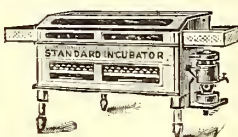
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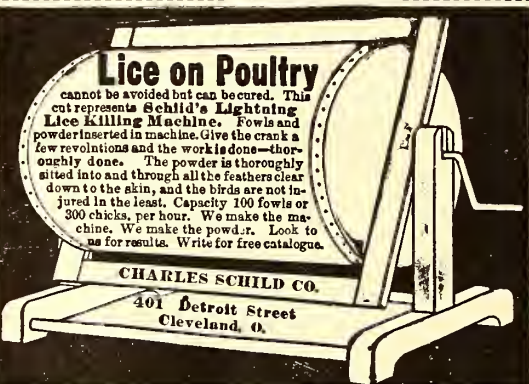
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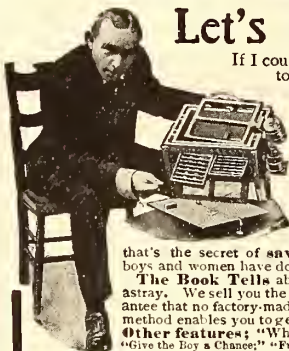
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If you don't hatch a big per cent of the eggs you lose out in the poultry business. Same result if the chicks don't come the natural way, vigorous and strong. Your first concern should be to get an incubator that will hatch the most and best, and a brooder that neither smothers, chills nor kills with fumes. Many machines are offered. You must choose. If wise, you'll avoid risks and get the machines that years of trial and universal testimony prove to be always dependable,

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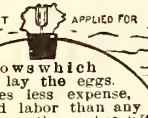
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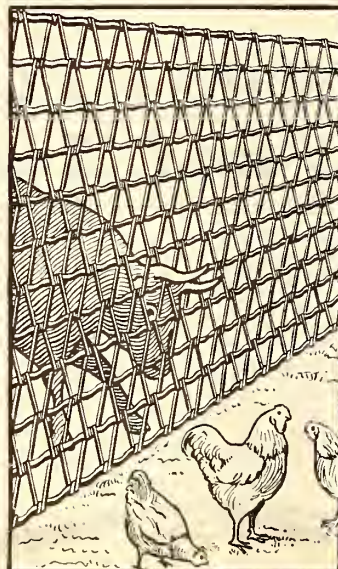
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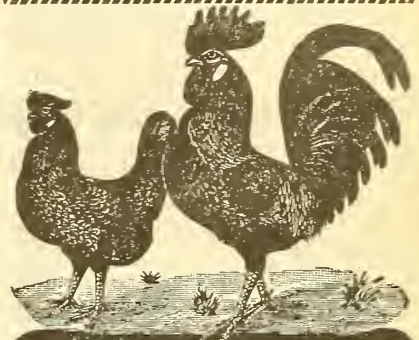


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The Story of Victor Incubators from the rough lumber to the finished machine: all the points in design, construction and operation which make it the perfected machine. It gives you the reasons why it is best for you to buy a Victor. We tell you just what you would learn if you came to our factory and saw us build the machine—just what you would be told by those who are using our machines. We have not made a single statement in the book which is not backed up by the actual facts. We would not dare to do otherwise, because with every machine we sell goes our bond to take it back and refund the money if it is not in every way up to our description.

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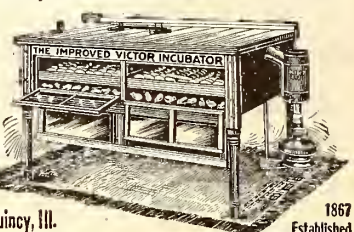
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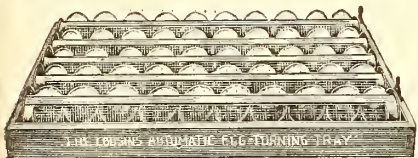
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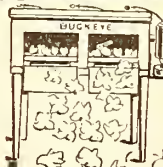
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Why? Because, with others you have too much invested in machinery. \$4.50 to \$6.50 should buy a 50-Egg size, \$8.50 to \$12.00 a 100-Egg size, and \$13.75 to \$20.00 a 200-Egg size. The above are our prices for Incubators. As substantially and durably built, and of as good material as any Incubators on earth. They are self-regulating, automatic moisture and ventilation, hot water style, and all are sold on

30 DAYS' TRIAL

Or write these, who among others hatch every egg put in our incubators: Mrs. Erie Brack, Havensville, Kan., Mrs. W. T. Graham, R. R. No. 1, New Hartford, Ia., G. F. Mankin, L. Box 54, Luther, Mich., Bert S. Robinson, R. 3, Urbana, O., Paul Clyde, Hooper Station, O., Geo. Luce, Edington Lane, Wheeling, W. Va., M. C. Matthews, Upola, Kan., Paul Wolf, Menno, Wis., M. E. Welisch, Cary Station, Ills.

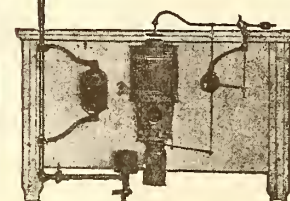
They hatch every good egg. We have 50,000 in use, and thousands hatch every egg put in them, and the chicks are stronger, and will more surely live, than those hatched in any other Incubator or in any other way. If you are loosing chicks soon after hatching, send for FREE catalog, and learn how to save them, you can lose nothing by trying it; yet for further proof of its efficiency and value write any of our patrons of whom catalog gives hundreds; not forgetting stamp for reply.

Brooders must not be carelessly selected if you would make money raising poultry. Not the largest size for the least money is the cheapest, but the one that raises the most chicks—Ours are central heat. Loss from crowding impossible. Prices, \$3.00 up—think of a 50-capacity Incubator and Brooder complete and on 30 Days' Trial for \$7.50

BUCKEYE INCUBATOR CO., Box 2, Springfield, O.

Will Your Incubator Do This?

Will your incubator hatch a setting of eggs with one-half the oil you now use? Will your wick burn 21 days without trimming? Will your regulator control the flame, raise or lower it as required? Will your burner burn without charring wick, overheating, causing liability to fire? Will your machine save half the time, half the labor, half the cost of operation? Put on this outfit and it will do even more. It will make your old machine do better than it ever could do, besides save you many dollars and much annoyance. Its combined damper and flame regulation alone **saves half the oil.** Its burner saves danger from fire—**can't overheat.** Its wick saves trimming—**never needs it.** Its regulator controls both flame and damper (see cut); this avoids too high or too low a flame.



saves seventy-five per cent. of gas.

ACME AUTOMATIC LAMP AND COMPOUND REGULATOR

make hatching or rearing both pleasurable and profitable. Sold separately or together. Fit any machine; any one can attach them. Send for catalog giving detailed description and our full line of fixtures, including illustrated plans for building the famous Peerless Incubators and Brooders. Nearly 100 photographic views showing step by step every stage of incubator construction. It's free. Our new gas regulating burner for incubators.

H. M. SHEER CO., BOX 104, QUINCY, ILL.

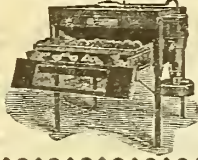
NORTH SIDE POULTRY YARDS

CLOSING OUT SALE OF

Buff and White Wyandottes

1 Pen of 4 hens and cockerell (Buffs) \$15.00. 1 Buff cockerell \$3.00. 4 Pens of 4 hens and cocks or cockerell. Whites at \$10.00 per pen also cockerels and pullets at a bargain. In Silvers we have some choice breeders left in cocks, cockerels, hens and pullets. Write your wants, or send for circular. No Eggs.

A. & E. TARBOX : : YORKVILLE, ILL., Box A. 5



MAKE MONEY HATCHING CHICKENS

with the Gem Incubator, the famous high-grade, low-priced hatcher. Up-to-date, absolutely reliable, triple walls, Copper tank and boiler. Removable Nursery and Chick Tray—a great convenience. Now is the time to prepare for early hatches, the most profitable ones. Send now for our beautiful free catalogue. GEM INCUBATOR COMPANY, Box B, Dayton, Ohio

Kaye's S. C. Black Minorcas

A Strain of Heavy Layers. At the great Chicago, December Show, 1904, won 1st cock, 1, 2 cockerell, 1, 2, 3 hens; 1, 2, 3, 4 pullets; 1 pen: silver cup for best display. Chicago, January Show, we took nine regular premiums. We have won more prizes at Chicago this past season than any other Black Minorca breeder. Ten splendid pens mated for this spring. Eggs \$2 per 15, \$10 per hundred.

A. B. KAYE, Kaye's Park R. F. D. 2, Walworth, Wis.
State Vice-President American Black Minorca Club.

R. C. and S. C. Rhode I. Reds

Largest and Best Flock in the West

OLENTANGY POULTRY YARDS Delaware, Ohio

Ten fine pens. No birds in pens scoring less than 90 1/2 points. Eggs \$3 per 15. Satisfactory hatch guaranteed.

CHARLES C. REID, Mgr., Vice President American R. I. Red Club; First Vice-President Ohio State Poultry Association; President Delaware Co. Poultry Association.
Send 2c stamp for circular containing origin, descriptions and Standard of this noble variety.

S. C. W. LEGHORNS

Stock for sale. Cockerels \$1.00 and \$2.00. Eggs 15, \$1.00. 100, \$5.00

C. W. & H. E. HOSMER Union City, Mich.



Young Chicks

Just hatched from Barred and Buff Plymouth Rocks, Single Comb White Leghorns and W. Wyandottes at 8 1/2 to 15 cents each. Distance no objection. 6,000 chicks hatched per week at the Pine Tree Hatchery. Send for circular and get your order in early.

JOS. D. WILSON, Stockton, N. J.



WHITE P. ROCKS

Send your order for eggs where you can get something good. Get the laying kind and the beauty kind. Boyce has bred the one kind only for many years. EGGS \$2 per 15. Catalogue free. Address

S. L. BOYCE, Crook, Mo.

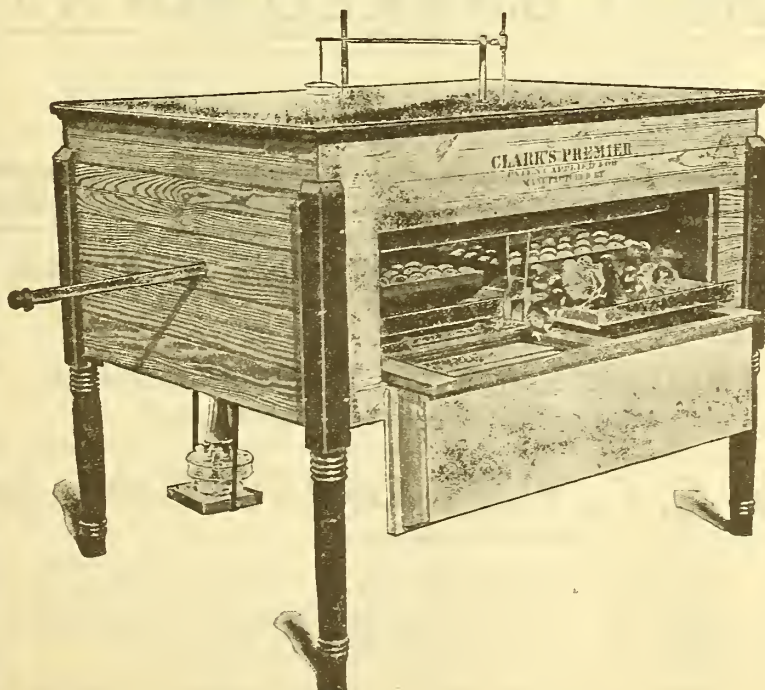


White Plymouth Rock Pullet

Winner of silver cup at Cincinnati, 1905, score 96, bred and owned by Mrs. J. H. Orebangh, Prop. of the Phoenix Poultry Yards, Batavia, Ohio. Stock for sale. See my new circular before placing your order for eggs. I will take orders for wee chicks after April 12. Write for particulars

AN INCUBATOR

For Persons who have to make their Living out of the Business



COLD WEATHER PROOF ABSOLUTELY FIRE PROOF

A child can run it. Automatic.
Five minutes' attention a day will run it.
Ten cents' worth of oil will make a hatch.
No expensive buildings needed for it. Can be run under a shed, attic roof or anywhere out of rain and wind.

World's Fair, Chicago, 1893
Toronto Exposition, Canada, 1894
Tennessee Centennial, 1897
Trans-Mississippi Exposition, 1898
National Export " 1899

Can be run with or without moisture.

140—Capacity 140 eggs	\$20 00
200—Capacity 200 eggs	24 00
250—Capacity 250 eggs	28 00

With every shipment of incubators we send a book of full directions, also egg tester and 150-page poultry book, giving each customer all necessary information to start into business. Catalogue free.

COLUMBIA INCUBATOR CO.

Box 1, Delaware City Del.

EGGS \$1 PER SETTING We are breeders of Barred and Buff Rocks, Silver Spangled Hamburgs and R. C. B. Leghorns. Write us your wants. We also breed Homing Pigeons. Try "Fly's Egg Producer" 5 lb. pkg. 50c. Mrs. E. B. Fly, prop., Edwin W. Fly, Mgr. Clear View Poultry Yards, Chalfont, Pa.

BARRED PLYMOUTH ROCKS

WHITE WYANDOTTES

Bred with the object of producing money-making fowl

BREEDERS AND EGGS FOR SALE

Write at once for list and prices.

NORTH SHORE POULTRY FARM Glenview Illinois

Buff Cochins

What other breeders are striving for in shape, color and feathering, I have. Write me.

H. N. HANCHETT Jackson, Mich.

S. C. B. ORPINGTONS

—EXCLUSIVELY—

EGGS for sale from special matings. Stock scoring 92 or better by McClave. Eggs from these pens \$2 per sitting of 15. One yard with free range. 25 pullets with two good males make up this pen. Eggs \$1.50 per sitting, \$6 per 100.

JOHN McMILLAN, R. F. D. No. 11, Anderson, Ind.

Donovan and Burns

Successors to John H. Boschen & Bro.

246 Fulton St. N. Y.

PIGEON AND POULTRY FEED

Wheat Kaffir Corn Eng. Maize Flint Corn
Broken Rice Buckwheat Peas Millet
Rape Seed Hemp Tick Beans Canary Seed
Lentils Vetches Hulled Oats

SPECIAL

Ariston Chick Feed, choice XXX small peas, crop of 1903. These peas are in prime condition for feeding. Order now. Send for prices. Prompt shipment and quality guaranteed.

TEN REASONS WHY YOU SHOULD USE PAGE POULTRY FENCE



PAGE POULTRY

- 1—Made of larger wire—smallest No. 14.
- 2—Stronger wire—all horizontals Page-Wire.
- 3—Heavily Galvanized to prevent rusting.
- 4—Expansion and contraction provided for—horizontal bars being coiled.
- 5—Easily adjustable to hilly surfaces—the coil does it.
- 6—Requires no boards at top or bottom.
- 7—Stands up stiff—does not sag, bag or buckle.
- 8—Fewer posts needed—one every 50 feet—because larger, stiffer horizontals.
- 9—Fences poultry in, stock out—a good partition fence between stock and poultry.
- 10—Costs less erected than common netting—looks better and lasts much longer.

PAGE WOVEN WIRE FENCE CO.
Box 5849, Adrian, Mich.

MORGAN'S PORTABLE LAYING HOUSE

Hens lay best when they have a clean, dry, well ventilated house with nests sheltered from light and the flock. Our special laying house is all this and more too. A stamp, with request, will bring our catalogue with styles, sizes, prices and special inducements for the season of 1905.



SANITARY HOUSE CO., Box 1, Lemont, Ill.

AT GREAT ST. LOUIS WORLD'S FAIR OUR

...Partridge Wyandottes...

Won 1st cock, 1st pen, 2d pullet in competition with the best in the world. Our SILVER PENCILED WYANDOTTES are just as good and we have hundreds of the finest exhibition and breeding stock of both varieties for sale.

CARVER & AVEY,

Box A, Columbia City, Ind.

Blue Ribbon Winners

Barred Ply. Rocks, White Wyandottes, R. I. Reds

Choice Stock for Sale—Fine Trios, \$12; Pens, Choice, \$20; Males, \$5, \$7, \$10. Females, \$3, \$5. Eggs—\$3 Per 15; \$5 per 30; \$10 Per 100.

Satisfaction guaranteed. Write to-day. We pay the charges on \$10 orders.

M. E. WURTS,

Sta. A, Cleveland, O.

St. Louis World's Fair Winners of 27 Regular and 9 Special Premiums.

800 WYANDOTTES and SEBRIGHTS 800

We have about 800 head of very fine Golden, Silver Laced and White Wyandottes and Golden and Silver Sebrights yet to spare at very reasonable prices. Our birds have won more than 300 premiums at Madison Square Garden show since 1891. In 1903 we won first on breeding pen of both GOLDEN and WHITE. They have won at all the big shows for the past 15 years. If you wish to buy fine line-bred birds from utility stock and exhibition quality combined, we breed that kind. Eggs from our true matings \$3 and \$5 per setting. Our large circular is free and tells all about our birds. ALSO FINE BELGIAN HARES CHEAP.

IRA C. KELLER,

BROOK SIDE FARM, Box 75, Prospect, Ohio

King Breeds some of the BEST BARRED ROCKS

in the country. Why? Because he is a specialist and caters to the fancy trade, breeds his winners and furnishes winners to his customers in strongest competition. Send for new mating circular for prices on eggs and description of breeding stock. Correspondence carefully and promptly answered. Write me to-day.

O. L. KING,

Lock Box 4, Walnut Grove, Ill.

GEDNEY FARM

—POULTRY YARDS—

High-Class S. C. Black Minorcas,
White Wyandottes and

S. C. BUFF ORPINGTONS

Fifty Buff Orpington cockerels for sale, bred from the best stock in America, and of correct type and color. We shall have 20 grand breeding pens for this season, composed of the best of last season's breeders and their progeny. Satisfaction guaranteed every customer. Eggs \$3.00 per thirteen, \$5.00 per twenty-six.

FRANK W. GAYLOR, Mgr.

Box F, White Plains, N. Y.

You Get \$300 For \$5



Four World's Fair Winners, Bred and Owned by U. R. Fishel.

That is what the customer got who wrote the following letter: "Streator, Ill., Jan. 17, 1905. I would not take \$300 for the twelve chicks I reared from the setting of eggs I bought of you last spring. * * *". Why ponder over the matter where to place your order for eggs for hatching. My matings this season are so far ahead of any previous season, that really I feel as if every egg should produce a winner.

When You Buy Eggs For Hatching

why not get the best? No haphazard matings in my yards, I have for years bred my winners and win with my breeders. My last winnings at the GREAT ST. LOUIS WORLD'S FAIR, where the Fishel White Rocks won seventeen prizes, surely convinces you of the quality. They tried hard to wrestle the title of "The Best in the World"

From The Fishel White Rocks

but it was too large an undertaking and one of the impossibilities. Have you seen a copy of my NEW 48-PAGE CATALOGUE? It is the finest poultry catalogue ever issued. Send three two cent stamps for a copy. I have something over TWO THOUSAND SELECT BREEDERS TO SELL, the cream of six thousand. It will pay you to get my prices.

E G G S \$5.00 per 15
 15.00 per 50
 25.00 per 100

U. R. FISHEL

Box A, Hope, Ind.

White Wyandottes

Duston's breeding and exhibition birds of high quality, farm raised and bred in line from my prize winners. While they did not get any ribbon at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable prices, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN,

Beardstown, Ill.

H. O. SEARS, Breeder of Fancy Poultry

The home of the B. P. Rocks, also B. B. Red Game Bantams, Buff Cochins Bantams, Bronze and White Holland Turkeys, all standard varieties ducks and geese, including Blue Swedish Ducks and Wild Geese. Stock always for sale. Ornamental birds furnished for public or private parks. We win our share of the prizes wherever we show. Plenty of young turkeys. Satisfaction guaranteed. Garden Prairie, Ill.

Barred Rocks Exclusively

Winners at Illinois State Fair, 1902; Indiana State Fair, 1903 (A. P. A. Shows);

Illinois State Show, Jan. 2-7, 1905

They win for my customers too. First-class stock for sale. Eggs from best pens, \$3 per 13; incubator eggs, \$6 per 100.

MRS. TILLA LEACH

1 Main St., Cheneyville, Ill.

Partridge Wyandottes

On two entries at the great Chicago show, January, won second cockerel. Eggs from pen headed by sire of this cockerel and other pens containing females of superb markings and shape headed by extra choice males, \$3 per setting.

DR. GASKIN & CO.

Plainfield, Illinois

Barred Rocks, W. Wyandottes AND BRONZE TURKEYS

Winners wherever shown. Eldorado, December, 1903, won 2d, 3d cockerel, 2d hen, 1st, 3d, 4th pullet, 1st pen. Wyandottes, 1st, 2d, 3d and 4th cockerel, 2d, 3d, 4th pullet, 1st pen. Enfield, December, 1904, 2d Barred pullet; Wyandottes, 1st cock, 1st and 3d pullet. Olney, January, 1905, 1st Barred pullet. Wyandottes, 2d cock and cockerel, 3d hen and pullet. Turkeys have never been defeated. Will sell eggs from our prize matings \$2 per 15, \$3.50 per 30, \$8 per 100. Turkey eggs \$3 per 10, \$5 per 20.

WARREN SLOAN,

R. 4, ELDORADO, ILL.

POULTRY PAYS



when the hens lay. Keep them laying. For hatching and brooding use the best reasonable priced Incubators and Brooders—built upon honor, sold upon guarantee.

THE ORMAS

BANTA MFG. CO., Elgoner, Indiana.



PATENT YOUR IDEAS

\$100,000 offered for one invention; \$8,500 for another. Book "How to Obtain a Patent" and "What to Invent" sent free. Send rough sketch for free report as to patentability. We advertise your patent for sale at our expense.

CHANDLEE & CHANDLEE, Patent Attorneys

972 F Street, Washington, D. C.

HARVEY'S CHICK FOOD

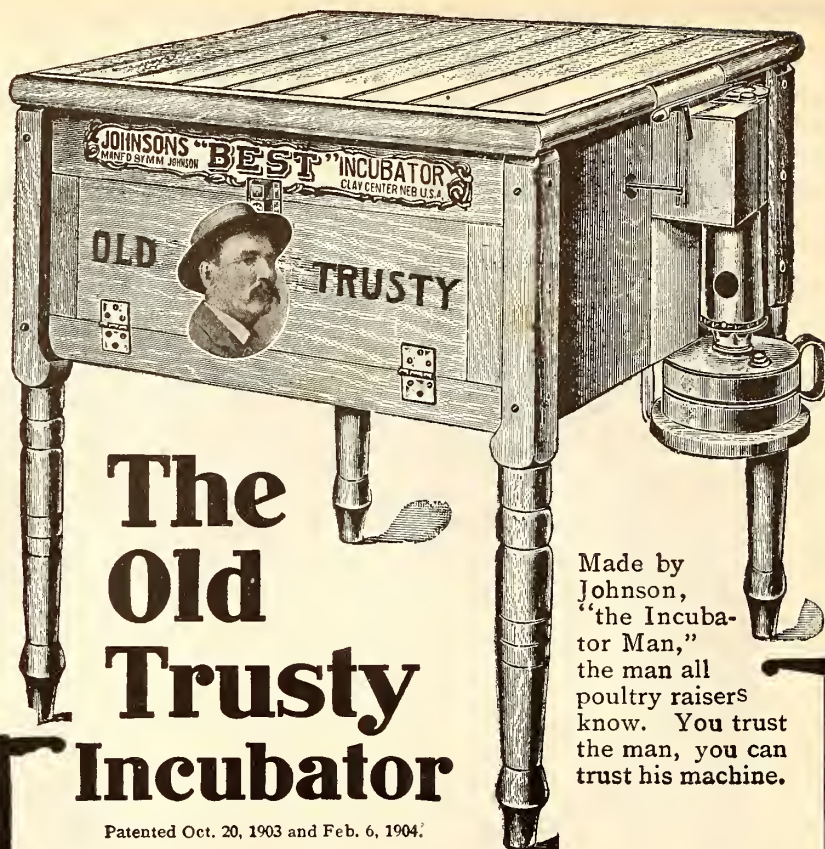
An
Ideal
Food



for chicks just hatched—they grow healthy and strong when Harvey's Chick Food is fed regularly. It is made of selected grains and seeds, combined with other ingredients necessary to an Ideal Chick Food. Catalog tells about this food and full line of poultry supplies. Let us send you one free.

HARVEY SEED COMPANY
30 Ellicott St.
Buffalo, N. Y.

MAKES
CHICKS
HEALTHY



The Old Trusty Incubator

Patented Oct. 20, 1903 and Feb. 6, 1904.

Made by
Johnson,
"the Incuba-
tor Man,"
the man all
poultry raisers
know. You trust
the man, you can
trust his machine.

Johnson thinks more of his Old Trusty Incubator than he does of his face. But he is not willing to be separated from the result of his life's work. It's his contribution to poultry raising—all the monument he wants.

Old Trusty came into the front rank last year, its first year. This year it is doubling in sales. It is because it was made right to begin with. Nobody was able to suggest any improvement. Johnson did not have to go at it blind when he perfected Old Trusty. He got his experience building other machines—lots of it. He made a good many thousands of them. When he let go his old machines and started in on Old Trusty all he had to do was to draw on his many years experience as a poultry raiser and as an incubator manufacturer. The work they are doing is what is selling them so fast.

HOW JOHNSON'S PEOPLE TALK.

The M. M. Johnson Co.

Emporia, Kan., February 25, 1905.

Gentlemen:—We sold a 100 egg OLD TRUSTY to Evan R. Griffith who came in yesterday and reported that out of 90 eggs he had hatched 82 chicks.

Yours truly, HAYNES BROS. (Wholesale Hardware)

M. M. Johnson.

Vicksburg, Miss., Feb. 18, 1905.

Dear Sir:—From 75 eggs we hatched 72 chicks. Have 71 yet and all doing nicely. I am, Respectfully, F. C. DOYLE, 816 Washington St.

Mr. M. M. Johnson,

Colorado Springs, Colo., Feb. 21, 1905.

Dear Sir:—I set Old Trusty Jan. 31st. From 80 fertile eggs hatched 76 good, strong chicks. The weather ranged as low as 23 below zero.

Yours, F. W. HOFER, 14 E. Huerfano St.

Summer Prices Now On

Johnson likes to do business direct with the people. He doesn't have any trouble getting along with them. He knows there are several thousand poultry enthusiasts, like himself, that want his Old Trusty this summer. He is willing to accommodate them. That's the reason he has put his summer prices on early. Write him by next mail for the summer prices. It will push his factory force a little harder, but Johnson always delivers the goods.

Don't Get Things Mixed. Johnson has nothing to do with any other machine than Old Trusty now. All his advertising is done over his own name. That protects you. He sells Old Trusty

**On Forty Days Free Trial,
And Guarantees His Machine Five Years.**

Write him for his latest book. Of course it's free, and you'll find it interesting. Everything in it but the summer prices. Ask specially about them.

M. M. Johnson, The Incubator Specialist, Clay Center, Neb.

Black Langshans

I won the \$25 Challenge Trophy Cup for highest scoring cock, cockerel, hen and pullet at the great Chicago Heights Show, 1905. Also silver cup for highest scoring pen in Asiatic class. Also won at the Chicago Show, 1904. Stock and eggs for sale. Send for circular and price list.

R. A. HEWES, - Box 1, Crete, Illinois.

Ponderous Pekins of Peerless Perfection

Selected breeders of unapproachable quality at fair prices. Special prices by the 100. 1300 EGGS GATHERED DAILY from water ranged birds, insuring fertility and promptness. HOMERS FOR SQUAB RAISING, the true type, WHITE PLYMOUTH ROCKS and WHITE WYANDOTTES, excellent quality. Incubator eggs, Barred Rocks, \$6; per 100. White Wyandottes, and White Rocks, WHITE LIMESTONE GRIT, manufactured and used by ourselves. 100 lbs., 40 cents. 240 acres, established 20 years. Headquarters for Pekins in the west.

GOLDEN WEST RANCH - JOLIET, ILLINOIS

BAIR'S BARRED ROCKS

are daily proving their claim of being **LEADERS FOR EXHIBITION AND UTILITY**. Since 1901 they have won in my own and customers' hands 316 regular premiums. In my hands they won on every bird entered at Pan American Exposition, Missouri and Kansas State Shows and at the big Kansas City Shows, and finally in the great World's Fair Show. In Missouri's awards I won on every bird entered, winning 9 regular premiums, 1st and 2d cock, 3d and 4th hen, 4th and 5th cockerel, 4th and 5th pullet and 2d pen. In my yards the 200-egg hen is a reality. Lady Pan, the greatest living hen, has a record of 247 eggs for year 1903 and 11 blue ribbons won in the largest shows of the country. I have for sale fine cockerels from Lady Pan pullet line, and extra fine cockerel breeding pullets. Eggs from selected matings, \$3 per 15, \$5 per 30.

L. O. BAIR, 2721 Cherry St., Kansas City, Mo.

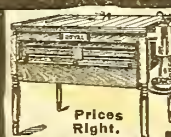
Rudolph Poultry Yards, Rudolph, O. Fancy Buff and Barred Rocks

Bufs win two state cups in succession and over one-half of all cash and other specials at the last two cup competitions. Barred win five places at Fostoria. 400 Barred and bufes to select from. Write your wants. Catalog free. Eggs in season.

F. S. & J. S. GASPER - RUDOLPH, OHIO

HARDY STOCK

grown in the "Blizzard Belt" of Northern Iowa, full of fruitful vigor. To introduce our new method of grafting we will send to property owners Free 6 Long Scion, Foster Mother Root apple grafts (ready for planting). Postage 3c. A postal will do. Price list included. The Gardner Nursery Co., Box 114, Osage, Iowa.



Get One Hatch Free

Don't buy an incubator until you first try a

30 Days Free.

Royal

Fine Poultry

It is the best hatcher in the world. If you don't like it send it back. Incubator, poultry and poultry supply catalog free. Poultry paper one year 10 cents. Write now.

ROYAL INCB. CO.,
Drawer 80, Des Moines, Iowa.



SHOEMAKER'S BOOK on POULTRY



and almanac for 1905, contains 224 pages, with many fine colored plates of fowls true to life. It tells all about chickens, their care, diseases and remedies. All about INCUBATORS and how to operate them. All about poultry houses and how to build them. It's really an encyclopedia of chicken-dom. You need it. Price only 15c.

C. C. SHOEMAKER, Box 111, FREEPORT, ILL.

1 and What It Will Do

OFFER NO. 1

American Poultry Journal, one year, 48 to 120 pages. During the year several full page colored pictures of fowls will be published.

Why Poultry Pays and How to Make it Pay. Revised and enlarged, size 9x12, 60 pages, illustrated. Important to beginners.

A. P. J. Hand Book of Useful Poultry Information.

This is a new book we have just published, 32 pages, 4x8 inches in size; has 4 blank pages for memorandums. It contains in a brief form most everything a poultryman wants to know.

"Yard of Chicks."

A picture in 12 colors, a yard long, on finest heavy copper-plate paper, of 25 chicks in a running contest for a nip at a captive butterfly. A work of art suitable for framing in any home.

All For \$1.00

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American Poultry Journal, one year..... Value, \$0.50
How to Build Poultry Houses..... " .50
Farm and Home, one year..... " .50
All for \$1.00. Total value, \$1.50

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These offers are not only to new subscribers, but old subscribers. A grand chance for renewing subscriptions. Money for you. Subscribers for us. Show this to your friends.

"Why Poultry Pays and How to Make It Pay"

AND

"How to Build Poultry Houses"

are the latest and best books out on these subjects. Published by American Poultry Journal, Chicago.

American Poultry Journal

is the oldest poultry paper in the world.



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this corner off and mail it today with the correct amount to

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POULTRY JOURNAL
CHICAGO, ILL.

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Address all letters to AMERICAN POULTRY JOURNAL, 325 Dearborn Street, Chicago, Ill.



MODEL Incubators GROW IN POPULARITY

Because they Hatch Successfully

A new thermostat this season makes it the easiest regulated of all incubators.

To induce a breeder who has a large investment in incubators to change from one machine to another, an incubator must be head and shoulders above its competitors in point of efficiency. The Model is so good that the following large plants have adopted it, discarding other machines: Crystal Springs Duck Farm, Oil City, Pa., formerly 56 Cyphers, now 81 Models; Wm. H. Truslow, Stroudsburg, Pa., formerly 45 Cyphers, now 50 Models; Pine Tree Chicken Hatchery, Stockton, N. J., formerly 47 Cyphers, now 72 Models; W. H. McCormick & Son, Yardley, Pa., formerly 67 Cyphers, now 67 Models; Farrar Bros., Assinippi, Mass., large soft roaster growers, and many other smaller plants have changed over.

EARL STOCK FARMS

BREEDERS OF

Pekin and Rouen Ducks
Single Comb White Leghorns
White Wyandottes
Barred Plymouth Rocks

Large English
Berkshire Swine

Mr. Chas. A. Cyphers, Buffalo, N. Y.

New Holland, Pa., March 1, 1905.

Dear Sir:—We have given the New Model Special Duck machines a trial and find them so satisfactory that we have decided to change over our entire outfit to the Special Duck machines.

Yours very truly, EARL POULTRY FARMS

[Capacity 50 Models]

Geo. M. Woods, Proprietor.

STOUFFER POULTRY FARM

Ducklings and Broilers

100,000 Annually

Mr. Chas. A. Cyphers, Buffalo, N. Y.

Harrisburg, Pa., Feb. 25, 1905.

Dear Sir:—I have been operating incubators for the last ten years, in which time I have hatched over three hundred thousand ducks and seventy-five thousand chicks, having used all the leading makes of incubators, and up to Jan. 1, 1905, was very well pleased with the Old Cyphers, which you were the inventor of. Having never operated any of your Models, the proposition presented itself to me, that as you were the inventor of the Old Cyphers and of your Model, with your experience in the manufacturing of incubators, you certainly would not put a machine on the market that was not superior to any of your former inventions; so, after ordering one and giving it a thorough test, having hatched 14% more ducks than with the old machine, I now firmly believe it superior to all others. The Model gives a more even temperature and a better circulation of air, and it is very much easier to keep in a clean, sanitary condition. The best is always the cheapest, if the first cost is more, as the results soon pay the difference; so I want the Model, and would like you to ship me, as soon as you can, 68 of your Models, to take the place of my present 68 old machines, and as soon as I can dispose of twenty that I now have of one of the other leading makes, I certainly will have you replace them with Models. With best wishes for the continued success you deserve in the manufacturing of incubators, having done so much for artificial incubation, I am, as ever, Yours very truly, C. A. STOFFER.

SEND FOR DESCRIPTIVE CATALOGUE

CHAS. A. CYPHERS, 301 HENRY ST., BUFFALO, N. Y.



MODEL Brooders

GROW IN POPULARITY

Because They Rear Chicks Successfully

Perfected this season in point of detail, they have no equal at any price

To do the work successfully a brooder must be warmly constructed and heated in such a manner that there are no hot spots for the chicks to crowd against, such as a warm central dome or otherwise exposed heating surface. The air in the nursery as well as under the hover must be kept comfortably warm to keep the chicks from crowding.

The ventilation must be ample, and introduced in such a way that there is no draught on the chickens. A strong circulation of air is detrimental, in so much that it requires a much higher degree of heat to keep the chicks comfortable when the air is perceptibly moving. It must be well lighted, as nothing keeps a brooder so free from disease germs as light. In a dark, close, stuffy brooder chicks soon develop tuberculosis, familiarly known among poultrymen as "going light," one of the greatest causes of mortality among brooder chicks.

It must be roomy, as otherwise the chicks cannot properly exercise. It must be easy to clean and care for, as otherwise the attendant will neglect it. All these important features are found in the Model Colony Brooders as they are found in no other.

In this brooder the nursery is double-walled, insuring easy heating. The roof is covered with a layer of hair felt, making it sun proof; and tinned, making it water tight. It is ventilated by diffusion, the warm air passing gently downward through a burlap screen in the top of the hover. No perceptible air movement is felt by the chicks. The hover and nursery are amply large, and the exercising room is moderately warmed and very roomy, and the whole brooder is light and cheerful and easy to care for. This brooder has won more friends in one short season than any other brooder on the market, because it is easy to raise chicks in it.

The Following are Fair Average Reports on this Brooder

We used one of your Model Colony Brooders last season, and we found it very satisfactory in every respect. I think I would be safe in stating that it is the best brooder that we have ever used. It is not very often that we make a statement of this nature, but of the the brooders used so far, considering the health of the chickens and the amount of oil used, I think yours is superior to anything I have used to date.

Yours very truly,

W. R. GRAHAM.

Manager and Lecturer, Poultry Department, Ontario Agricultural College, Guelph, Canada.

I am using 14 Model Colony Brooders, and they are simply perfection for outdoor work. I feel justified in saying that they will raise every chick committed to their care that can be made to live in any manner.

Yours truly,

W. H. HARDIN.

Supt. Valle Crucis Farm, Valle Crucis, N. C.

I wish to say that I used three of your Model Colony Brooders last season, and I have no hesitancy in saying that they are the best outdoor brooders that I ever put a chicken in. I take pleasure in recommending it, not to aid the manufacturer, but to aid and benefit those who want a practical brooder.

Very truly yours,

FRANK W. GAYLOR.

Manager Gedney Farm, White Plains, N. Y.

I must say the Model Colony Brooders are just simply immense. They are the best we have ever used, and we have been using brooders for 25 years.

Very truly yours,

J. C. FISHEL & SON.

Hope, Ind.

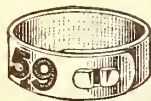
I think you have the right idea in a brooder. It does its work to my entire satisfaction. Have run one through three broods only losing one chick.

Orr's Mills, N. Y.

D. LINCOLN ORR.

Send for my new descriptive catalogue.

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IDEAL ALUMINUM LEG BAND
To Mark Chickens
CHEAPEST AND BEST
12 for 15c., 25—30c., 50—50c., 100—75c.
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Our large 200 page Illustrated Catalogue of
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Use It Again.

You can remove and use any number
of times without injuring
the aluminum

Convenient Leg Band.

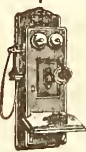
Snap on, large raised figures, sizes for all breeds. Prices,
12 bands 20c.; 30 bands 45c.; 60 bands 75c.; 100 bands \$1.00.
Sample cheerfully mailed free. Ask for it.
H. O. SHAW, Box 103, GRINNELL, IA.

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GREAT ACTIVITY AMONG FARMERS

Everywhere farmers
are awakening to modern
ideas.

Just now there is great
activity among farmers
in establishing and build-
ing telephone lines
all over this country.
The telephone saves
time in getting
help in a hurry;
keeps the farmer in
touch with the mar-
kets at all times, and
in case of emergency
gets assistance from
neighbors or the city
without delay. The
building of private and
party lines has been so
simplified and cheapened
by the introduction of



Stromberg-Carlson Telephones

that every neighborhood,
no matter how small, can
well afford its own tele-
phone line.

For farmers lines none
but the best telephones
will do—instruments that
are practically perfect,
that do not require con-
stant adjusting and
“tinkering” to keep them
talking right. There are
many telephones offered

to farmers that are
actually not fit for
such service. It
pays to get good
instruments at the
start. Stromberg-
Carlson Telephones
meet every need of
the farmers line.
Write for book F-81
“Telephone Facts
for Farmers” how
to organize your neigh-
bors and build a line.
Ask for book-81 telling
how successful lines have
been built.

**STROMBERG-CARLSON
TELEPHONE MFG. CO.**
Rochester, N. Y.,
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Prize Winning Brooder.

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Roup Cure, 25cts.
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Poultrymen, my remedies are backed by professional services.
Convince yourself of the unequaled qualities they possess by
giving me a trial order, and if they do not prove superior to any
you have used I will cheerfully refund your money. I know
positively from practical experience and unsolicited testimo-
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as there is none just as good. Agents wanted, liberal inducements.

Send stamp for descriptive Circular.

Mfg. by **C. J. COLLINS & Co.**

Hartford, N. J.



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R. C. Brown Leghorns

still lead the world, all others follow. Four high awards at St. Louis World's
Fair. Also at the great Madison Square Garden show, Jan. 3-7, 1905, 1st cock
bird in the strongest competition of R. C. Brown Leghorns ever shown. At the
World's Fair show 4th and 6th hens, 6th pullet, 2d pen in competition of the
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1st and 2d pullets. At Binghamton Industrial Exposition 1st cock, 1st chl., 1st
pen. Eggs \$1 per 13, special pens. See catalogue, free for the asking.

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Feeding Little Chicks

Is all important if you would keep off bowel complaint and “sleepy disease.” The terrible
death rate is due to improper feeding. Unused stomachs require special
food. Avoid old time losses, by feeding

...DARLING'S CHICK FEED...

It starts them right. Supplies just what nature requires. Gives you more chicks and
better chicks for the same money. Price \$2.50 per 100 lb. bag, f. o. b. Chicago, cash
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Bone, \$2.00; Laying Food, \$2.25; Clover meal, \$2.00; Oyster Shells, 60c.; Mica Crystal
Grit, 65c. Also Lice Killers and the best line of Poultry Appliances made. Ask for
our large Poultry Supply Catalogue, and booklet, “Fill the Egg Basket.” Mailed free.

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He calls it **THE BUSY BEE**. It's the only real low down brooder made. It
has no legs, no platform, no run way. Chicks run out directly on the ground. Don't
buy any kind of a brooder until you investigate this one. The Busy Bee Brooder is
just what you want, poultry breeder. The greatest improvement in brooders that
has been made in years. Size, 3 feet square, 100 chicks. Price, only \$5.

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It's the most successful small hatcher sold at a small
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All others are cheap single wall machines. It is self-regulating, needs no moisture,
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129-141 Factory St.

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White Wyandottes

Look at those winnings—Enough said.

EGGS

Ready to ship now. Orders booked for future
delivery.

\$ 3.00 per 15
18.00 “ 100

Mammoth Pekin Duck Eggs \$2 per 11, \$12 per 100.

America's foremost White Wyandotte breeders.

CLEMENT & FIKE

Box A
Libertyville, Illinois



A 96 Point Pullet

WINNINGS

Chicago, 1903

Five 1sts, seven other
prizes.

Chicago, 1904

Four 1sts, thirteen
other prizes.

St. Louis Exposition

First and 7th cock,
4th pen, 3d display,
five specials, \$50.00
silver cup.

We Have Discovered The Secret

Sunflower Seed Will Make Hens Lay In Winter

It has been our good fortune to discover the secret. Nature, in her infinite wisdom, provided a plant, the seed of which will increase egg production and will assist poultry through the molting period. This plant is none other than the old-fashioned Sunflower that occupied such a cherished spot in our grandmother's garden. It is easily grown and will yield a good crop anywhere. The

American Giant Sunflower

which we have grown for years and have perfected to a high degree, with proper cultivation produces mammoth heads measuring from 2½ to 4 feet in circumference, weighing from 5 to 10 pounds each, and grows 3,300 strong, healthy plants to the acre.

Sunflower Seed is a natural feed for fowls—takes the place of "dope" mixtures. When properly fed brings birds through the molting season in one-half the usual time, with better plumage and better health than by feeding linseed meal, cottonseed meal, or any of the numerous "doctored" preparations offered for this purpose. It is nature's provision, works in nature's way, and produces natural results.

Last year we supplied seed to poultry raisers in every state in the Union and many in Canada. Results were so satisfactory the indications now are that we will have to hustle to fill orders for next season. However, we had a splendid crop and delight in hustling, so send in your orders early and be ready to plant an acre or more. Give it a thorough test, it will greatly increase your poultry profits.

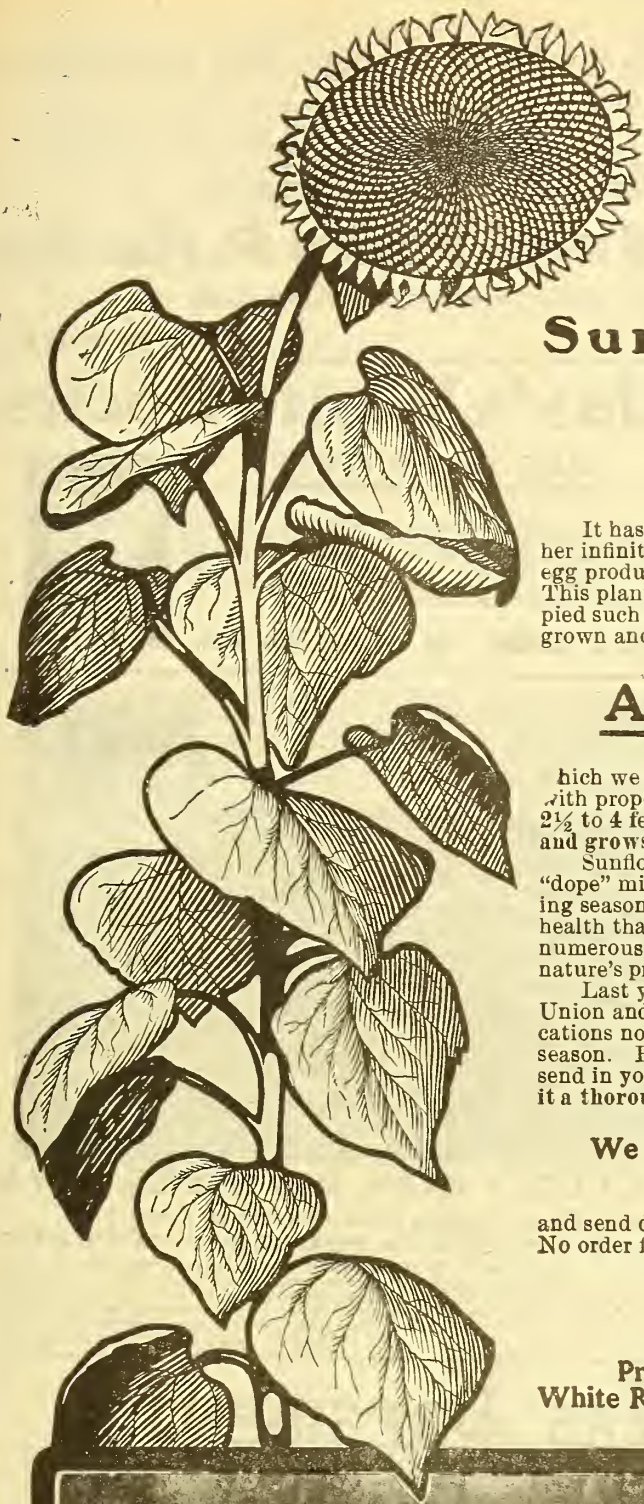
**We Send Enough to Plant an Acre, Express
Paid, For 50 Cents**

and send directions how to plant, grow and harvest, with each order. No order filled for less than 50 cents. Address all orders to

EDDY & EDDY

**Proprietors
White Rock Poultry Farm**

**Mannheim,
Illinois**



Barred Rocks, 1904,
Michigan State Fair, 1st, 2d cks., 1st ck., 2d hen. Fen-
ton, Mich., 5 1sts, 3 2ds, 2 3ds. Grand Rapids State Show,
1st ck., 4th hen, 2d pen. Pontiac, Mich., 4 1sts, 3 2ds, 2
3ds, 3 4ths. Prize winners in breeding pens. Eggs in
season. B. G. WESTFALL, Oak Grove, Mich.



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Better hatches. Stronger chicks.
Much less expense. No fail-
ures. The Perfected Hatch-
ing System is Safe, Sure and
very Easily Managed. Inter-
esting book free.

F. GRUNOY, MORRISONVILLE, ILL.

Chick Manna

is a great food
for raising little chicks.
The food for the first ten days.

Follow it up later by feeding **Cyphers' Chick Food**, and they will be fully nourished and properly developed.

Roup cured. No need to fear this deadly disease if you have a cure ready for instant use.

Poultry Supply Book

free, tells about poultry needs of every kind, and gives prices.

Johnson & Stokes Dept X
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Don't Poison Pets

or fowls in ridding your place of rats or vermin.
For \$1.00 I will send you the

Eclipse Poison Vault

You get rid of vermin in 36 hours and nothing else is exposed to danger. Greatest invention of the age. Satisfaction guaranteed or money refunded. Don't delay. Write today enclosing price.

J. S. GILCREST,

10 Second St., Des Moines, Iowa.

For Only 75 Cts.

We Send

AMERICAN Poultry Journal

One year, and a copy of the book entitled

200 EGGS A YEAR PER HEN

The demand for this book has been so great that the third edition has been exhausted, and a fourth edition of 5000 copies has just been printed. It tells how to get the greatest number of eggs at the lowest possible cost. Send orders direct to

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The Parks Partridge Wyandottes

World's Fair Prize Winners. Stock for sale in pens, trios, pairs and singles. Eggs from prize winning pen at World's Fair, St. Louis, \$5 per 13, other pens \$3 per 13. Orders hooked and filled in rotation.

E. A. PARKS, Club Member, 108 West Brighton Ave., Syracuse, N. Y.

Several Choice Pens of

Barred and White P. Rocks

FOR SALE. Breeding and exhibition stock.

D. T. HEIMLICH,

Jacksonville, Ill.

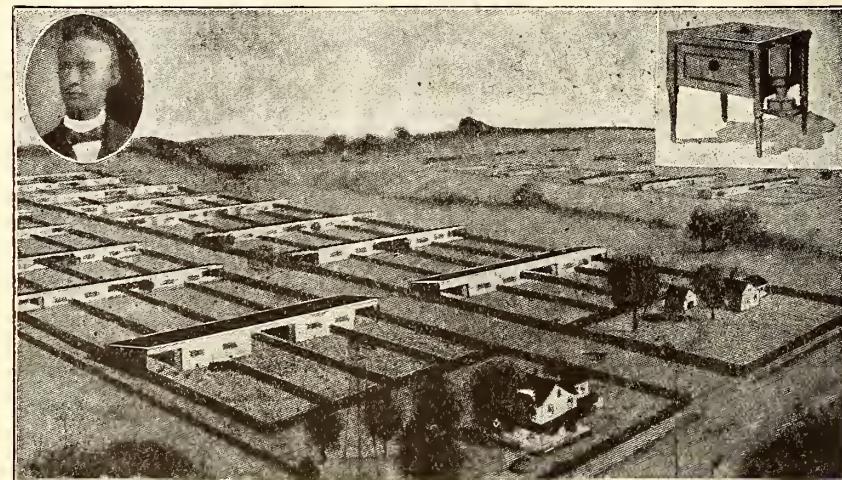
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ARE GOOD ONES



Tenth year of selection and pedigree breeding. Splendid layers, with size, shape and color. They lay, weigh and win in the hands of any customers north, south, east and west. EGGS from same pens I breed from \$4, two settings, \$7 three settings \$10. Customers well pleased. Send stamp for fine new 1905 descriptive circular, illustrated from life.

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OUR NEW BOOK, "MONEY IN POULTRY," JUST OUT

FRANK FOY, proprietor of the CRESCENT POULTRY FARM, has just issued a new and valuable book called "Money in Poultry." This book contains 84 pages and probably gives more reliable information about the business based on actual experience on the farm than any other book of the kind published. It tells everything about the poultry business from start to finish; describes our 25 leading varieties of pure bred fowls, and the Frank Foy Incubators and Brooders. Quotes extremely low prices on fowls, eggs, incubators and brooders. Mailed for 4 cents in stamps. Address: FRANK FOY, Box B, Des Moines, Iowa

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Columbian Wyandottes

Are destined to be the most popular of American varieties. Lay large eggs and lots of them, breed true and are an ideal table fowl. At St. Louis we won 1st and 3d cocks, 1st, 2d and 3d hens, 1st, 2d and 3d cks., 2d, 3d and 5th pullets.

Our Rose and Single Comb Reds are second to none. At New York, 1904, three 1sts and one 3d on four entries. Eggs and stock for sale. Send for circulars.

Hazelmere Poultry Yards
Knightsville, Cranston, R. I.

SALZER'S SEEDS

600,000

planters scattered the world over are willing to say under oath that Salzer's Earliest Vegetables are from six to twenty days earlier than the earliest of their kind produced from other seedsmen's seeds. Why? Because for more than one-third of a century Salzer's seeds have been bred up to earliness.

For 35c

1 big pkg. Salzer's Scorching Pea	10c
1 " " Early Bird Radish	10c
1 " " Salzer's Earliest Lettuce	10c
1 " " Earliest Cucumber	10c
1 " " Earliest Beans	10c
1 " " 4th of July Sweet Corn	10c
1 " " (Six days earlier than Peep O' Day)	15c
1 " " Six Weeks Verbena	15c
Total	75c

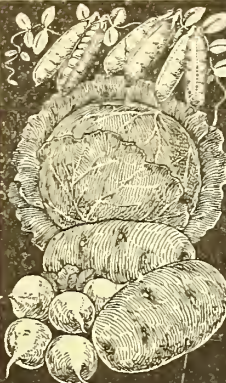
Above seven packages of earliest vegetable and flower novelties positively have no equal on earth for earliness. If you wish the earliest, finest vegetables for your home garden or for the market, Salzer's seeds will produce them every time. We mail you above seven big packages, together with our great plant and seed catalogue for 85c stamps.

FOR 16c. POSTPAID

We mail to you our big catalogue with sufficient seed of cabbage, celery, lettuce, onions, radishes and turnips to grow 9000 inscious vegetables and a package containing 1000 kernels of beautiful flower seeds besides!

JOHN A. SALZER SEED CO., La Crosse, Wis.

Never Fail



BEST HEN IN THE WORLD

At the great World's Fair Show Mrs. Della Maxwell's Barred Plymouth Rocks won 1st hen and 5th pen in competition with the world, and in Missouri exhibit, 1st hen, 1st breeding pen and 5th cock. At Missouri State Show, Jan., 1905. I won 1, 2 hen; 1, 2, 5, pullet; 1, 3 breeding pen; 2 cock in competition with 175 B. P. Rocks. Stock sold at a sacrifice in order to make room for my breeders. Stock for sale—trios and pens mated for best results. Eggs in season. Mammoth B. Turkeys and pedigreed Scotch Collies.

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MRS. DELLA MAXWELL, Prop., Fayette, Mo.

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Ready now, Stay White Wyandottes, S. C. W. Leghorns. Also mammoth Pekin Ducks. Eggs after April 1st. We can supply you with males or females, large or small lots at low prices. Our stock is bred for business but we won at such shows as St. Louis, Madison Square Garden, Chicago, etc. Remember we are headquarters for Cut Clover and Poultry Supplies. Cut clover \$1.25 per 100 lbs. Circular free. 2500 breeders.

EGGS From prize winners \$3 per 13, \$5 per 25, \$8 per 50, \$15 per 100. From utility stock, great layers, \$1.50 per 13, \$4 per 50, \$7 per 100. Liberal discounts on large quantities. We guarantee 75 per cent fertile.

W. R. CURTIS & CO.

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GLOBE BRAND

Globe Poultry Food

Our Regular Mixture for grown fowls, of Wheat, Corn, Kafir-corn, Buckwheat, Sunflower, etc. A balanced ration suitable for all seasons.



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A specially cleaned and graded Fancy Mixture of Cracked Wheat, Corn, Kafir-corn, Millets, Oatmeal, etc.—adapted to requirements of the Baby Chick up to 20 days old.



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A carefully selected mixture of ground feed, manufactured from the choicest sound, sweet and wholesome grain, contains ingredients in proper proportions essential to the health and growth of the fowl and especially for production of eggs.



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Crescent Chick Food

Our Standard Mixture of Cracked Wheat, Corn, Kafir-corn, Millets, Hulled Oats, etc.—a complete food for chicks 3 to 8 weeks old.

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Seed Merchants

CHICAGO

Printing for Poultrymen

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The Highest Grade of Work at Low Prices

Write for samples and prices on our COMBINATION OFFER—Business Cards, Letter Heads and Envelopes. Do not overlook this, it is the best combination offer ever made.

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at prices that are hard to beat. We carry in stock a large assortment of poultry cuts.

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Oxley Bros., Fremont, Ohio

Breeders of Black, White, Buff and Partridge Cochins Bantams, winners at Fremont, Dayton, Pittsburgh, Chicago and other shows. Stock score 93 to 96 1/2.

Buff Wyandottes and Barred Rocks

Choice Buff cockerels with score cards by Shaner. Eggs \$2.00 per 15. Circular and Photos demonstrate QUALITY in WHAT WE HAVE TO SELL.

G. R. MORRIS, Lanark, Ill.

Robson's BUFF ROCKS

My yards contain the 2nd Cockerel 91 1/4 at Danville, Ill., and 1st Pullet 93 1/4. Ohio state show at Dayton this year. I have two good yards mated for this season.

EGGS \$2.00 for 15.

R. H. ROBSON,

203 N. Main St., Urbana, O.

Buff Wyandottes

Boston Winners.

MATTISON & DUTCHER.

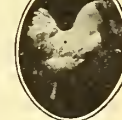
C. S. MATTISON, S Shaftsbury, Vt
F. J. DUTCHER, Hopedale, Mass.

...BUFF ORPINGTONS...

We entered 16 birds at the great Minneapolis show and won 15 prizes. Also best display. Scores reached 94 1/2. Six firsts out of a possible seven. Eggs from these same birds, that will give you like winners.

**G. A. GIBSON,
HECTOR, MINN.**

Billings' W. and G. Wyandottes



and R. I. Reds are winners wherever shown. At Norwalk, O., February 1st to 4th in very strong competition I won 9 firsts and several specials, including special for highest scoring pen in show. My stock has won at such shows as Pittsburg, Rochester, Cincinnati, Fremont. Eggs from my exhibition matings \$2.00 for 15 eggs. Other matings \$1.00. Incubator eggs \$5.00 for 100. Send for mating list.

B. M. Billings, Oberlin, O.

Northwestern Poultry Farm

World's leading strains of fancy poultry. Eggs \$1.50 per 15; \$8 per 100. Order early. If we sell eggs as we have poultry in past 60 days we will do a handsome business.

L. B. Jennings & Son, Polk, Ia.

EVERGREENS

Forest trees, nursery grown and hardy everywhere. All sizes for all purposes. at lowest prices. 50 bargain lots, all first class, prepaid, \$1 to \$10 per 100. Catalogue and bargain sheet free. D. Hill, Evergreen Specialist, Dundee, Ill.

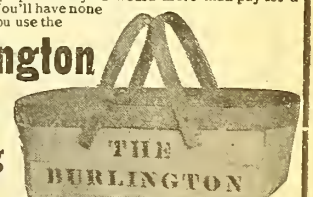
One Egg Broken

from your high priced layers would more than pay for a safe basket. You'll have none to replace if you use the

Burlington

Egg

Shipping Basket.



Improved for 1905. Straight sides, flat bottom, surest way to get costly eggs safe to your customers. Sizes for 1, 2 or 3 settings, at 40, 45 or 50c per dozen. Address

**BURLINGTON BASKET CO.,
BOX 55 BURLINGTON, IOWA.**



Defender—1st Cockerel at Chicago, Dec., 1904

Barred Rock Headquarters

ARE SELLING EGGS FROM THEIR
GREAT CHICAGO WINNERS

Chicago Fanciers' Show, Dec. '04,
Chicago National Show, Jan., '05,
Delavan, Wis., Show, Jan., 1905.

EVERY FIRST PRIZE at above three
shows on cocks, ckls., and pens.
MORE FIRST and SECOND PRIZES than all
competitors combined. Eggs \$5
per setting, \$16 per four settings.
A few choice birds yet for sale.
36-page Illustrated catalogue for
2 cent stamp. Write your wants.

SCOTCH COLLIE DOGS
PUPS FOR SALE

R. E. HAEGER & CO.
ALGONQUIN ILLINOIS



King Lee—Brother 1st Ckl. Chicago, Jan. '05

PURITY STRAIN SINGLE COMB WHITE LEGHORNS

are the greatest egg producers known, one hen having laid by actual record 244 eggs, and many others over the 200 mark. And as for prize winning, they are equal to the best. Eggs from prize pens \$3 per 15, \$5 per 30. From record laying pens \$2.50 per 15, \$4 per 30, \$6 per 100. Mention A. P. J.

JOS. A. BURKHART

Smithsburg, Maryland

State Vice-President National Single Comb White Leghorn Club.

The Best Records of Modern Years

...ARE HELD BY...

Bright's Barred Plymouth Rocks Brown Leghorns

First Cockerel
First Pen

Madison Square Garden
New York, 1905

Barred Plymouth
Rocks

Winning this crowning honor on cockerel for three successive times. Our only attempts. Eleven straight wins on Barred Plymouth Rock cockerels back from date.

Seven out of Ten Firsts at St. Louis Exposition

The largest and most representative show ever held in America. Our Leghorn record here has never been equaled except by us,—four firsts. Our record of 1, 2, 3, 7 on hens against the best winners of this country was the distinctive feature of the Leghorn exhibit. There were others: 1, 2, 4, 7 cocks, 1, 3 pens.

Six out of Ten Firsts at Chicago, 1904

shows the quality of eastern birds and incidentally birds of our raising in western competition. Our wins of 1, 2, 3, 4 cocks; 1, 2, 4 cockerels, as well as 1, 4 and 5 yards on Barred Plymouth Rocks staggered our western competitors, who came loaded for bear. Our Leghorns won practically the same.

Three Hundred Superb Breeding Cockerels for sale at Reasonable Prices.

Nothing would do your male line more good than one of our line-bred males bred from our best producing prize winning sires. Our pullet breeding males gave immense satisfaction last season and will give even better this season. Remember our cracker-jack females can win in the open class, it takes four to win in pen. There's where we win. Brothers and sons of these for sale.

EGGS

from our best pens \$5 per sitting, \$25 per 100, as they run. Specially selected setting to suit purchaser \$7 to \$20 per setting. Orders now being booked. Don't fail to get our egg circular price list, etc.

Grove Hill Poultry Yards, Box 410, Waltham, Mass.

Wm. Ellery Bright, Proprietor
A. C. Smith, Superintendent





A BOSTON FIRST PRIZE WHITE WYANDOTTE WINNING MALE. BRED AND OWNED BY ARTHUR G. DUSTON,
SOUTH FRAMINGHAM, MASS.

American Poultry Journal

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

Vol. 36.

Chicago, Ill., April, 1905.

No. 4.

THE BATTLE OF THE BREEDS.

Position of the Various Varieties Five Years Ago and Today.

The Steady Advancement of the American Classes and the Strong Hold They Have Secured—Some of the Most Important Changes as Shown by the Record of the Show Season of 1904-5—Future Position of a Number of the Breeds—Something for the Breeders of White Varieties to Seriously Consider.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal.

The show season of 1904-5 was a most successful one. There were a larger number of shows held during the season than ever before in any one like term. Many of the leading fixtures, like Chicago and New York, were compelled to limit the number of entries. The public interest in standard bred poultry was never as great as it is now. This is because the standard bred poultry business and its direct connections, the incubator and brooder and food product manufacture, have taken their proper place among the great commercial industries of the country. Standard bred poultry now represents the highest type of commercial poultry, is the standard of excellence by which all poultry sold on the public counter is measured. So it is that the public is becoming daily more interested in the poultry exhibitions.

A careful study of the various classes at the shows of 1904-5, taken as a whole, discloses many facts of special interest to the fancier, and also to those who are about to enter the fancy or to engage in the market poultry business.

There is a rapidly shifting movement in the position of several breeds and varieties. And it can be said that these changes are along lines of advancement toward better poultry—the better show bird, market fowl and egg producer combined.

The American classes lead as they have for a number of years, the Mediterranean classes next following. In the American classes there have been many show room changes during the past few years. The White Wyandottes are still the leaders, having passed the Barred Rocks some time ago, as to numbers shown. This may be chiefly due to the splendid organization of White Wyandotte breeders. Still, this variety has merits all its own which will, we think, enable it to easily maintain its advanced position. The headway made by the White Rocks has been very great. Each year they have come stronger in numbers shown. This is true as to the larger and more important shows as well as to the lesser exhibitions throughout the country. We believe it will be a close and interesting race between the White Wyandotte and the White Rock for first place in the show room and breeders' yards, during the next five years.

The Barred Rock retains a strong hold. The foundation is still firm, and can bear almost any weight that may be builded above it. The Barred Rock has never broken faith with a man who gave it intelligent care. It is the idol of many of the world's foremost poultrymen, and the bread-winner in countless homes, where it will never be superseded.

The Buff Rock has recovered from the effects of the setback it sustained a few years ago, and has come rapidly forward during the past five years. The magnificent display of this

variety at the World's Fair, St. Louis, both in numbers and quality, is proof positive that it has a strong hold on the fancy. It has had a greatly increased representation in the show room during the past three years.

There has been increased activity among the Buff Wyandotte breeders during the past two years. It is a fact that during the season of 1904-5 this variety was shown in larger numbers than at any time since the exciting boom days of five years ago. In the best and largest shows they have been among the leading classes.

There has been marked activity by Silver Laced Wyandottes. For a series of years this old and beautiful and valuable variety was in retirement. The country had been filled with poorly bred specimens of the variety during the days of its great boom. The people who were thus deceived found it impossible to breed them true to color. The bad blood controlled, and many breeders gave up in disgust. A few of the faithful friends of the variety continued to breed them as they should be bred, realizing that their great beauty and unsurpassed merit would sooner or later place them well forward among the most popular of fowls. There they are today, and their numbers are increasing.

The Golden Wyandotte—"the beauty breed"—for a brief time occupied a very prominent place in the show room. All at once, with its popularity at the zenith, they stepped aside, and for a number of years have not been numerous in the exhibition halls. Now, under the fostering care of a strong club, it is slowly coming back to its own.

Partridge Wyandottes have made wonderful strides during the brief time it has been recognized by the American Poultry Association, and is very popular as an exhibition fowl. It is far in the lead of the Silver penciled variety.

Black Wyandottes have made no material progress as an exhibition fowl. They possess merit but do not seem to meet with public favor.

In Leghorn circles the change in the position of the rose comb varieties is the most striking feature. During the past three years there has been a forward movement by the rose combs. They have come on very rapidly. This movement has been general in all sections of the country. The fanciers and breeders behind these long neglected varieties have done some very shrewd advertising and vigorous pushing. They have interested the public in their stock. As there is much truth in the claims made for these varieties we may expect to see them attain to a position even more secure in public favor. The S. C. Brown still lead in numbers shown, closely followed by the S. C. Whites with the S. C. Buffs well up. The R. C. Buff is being pushed by a number of fanciers, but as exhibition fowls they are still very crude. Black Leghorns are destined, we believe, to take advanced ground. They are in good hands. The Duckwing and Pile Leghorns will be vigorously pushed by a few breeders.

There is a steady forward movement in Minorcas. The S. C. Blacks are more popular than ever before, and the R. C. Blacks are fairly leaping ahead. The demand for them is greater than the supply. The men who brought out this variety builded wisely. They did not make the common mistake and place them on the market too soon. They now breed true to form and color. It would seem that in a few years this variety should be among the popular leaders of the Mediterranean classes. The S. C. Whites are possessed of strong friends who are annually bringing them forward.

Orpingtons continue to grow in popular favor, and annually their numbers become greater in the show rooms. They have taken a strong hold on fanciers and breeders. We predict that the Orpington will be the means of removing the prejudice

the American people have against flesh-colored poultry as market poultry. The Orpington has given positive testimony that the best market fowl need not of necessity possess yellow legs and skin. The Orpington has the leg and flesh color of the great American bird, the turkey. This is a strong ally. The S. C. Buff variety is still in the lead. It was predicted that the White Orpington would give the White Wyandotte and White Rock a hard chase, but it has not yet amounted to even a race, although the White Orpington is steadily coming forward. The Black Orpington is a bird of great beauty and built on utility lines. It ought to be more popular than it is.

A new meteor has been flashed across the sky, and while perhaps not of the first magnitude in brilliancy, has, nevertheless, attracted a great deal of attention. The Columbian Wyandotte has certainly secured an audience. "The breed with the color markings of the Light Brahma with no Light Brahma blood in their makeup," as one of the originators puts it, was decidedly in evidence in the show room this season. There can be no doubt that in many cases the Light Brahma has been used by breeders of this variety, for there is a decided tendency to feathered shanks in many families of the Columbian Wyandottes. The Brahma blood has helped fix the desired color markings, and this is what it was intended to do. The Columbian Wyandotte is a neat, clean and decidedly attractive fowls and if handled as judiciously in the next few years as it has been in the past will surely take a prominent place as a fancier's fowl.

There will be more than passing interest in the Partridge and Silver Penciled Rocks. They will be in demand when perfected. They are strikingly handsome. The American people like novelty.

Rhode Island Reds have come to stay. They are increasing in popularity very rapidly. They are large classes in all the shows. Maybe when the bitter war is over, when peace has been restored and wrongs righted, when self-appointed guardians of the breed have been retired by the men in the ranks, the Rhode Island Red will come into possession of its own. The Single Comb variety is marching on, unhindered by the discord within the ranks of the Rose Comb breeders. The position of the Rhode Island Reds as a fancier's fowl and as a utility fowl, too, is secure.

The Hamburgs and Polish are still shown in all their old-time beauty by fanciers at the larger shows. The Houdan continues to lead all the French breeds in numbers shown.

Indian Games have fallen off in the number of entries and it would seem are not being bred to the extent they were a few years ago.

The Black Langshan—the lordly and beautiful Langshan—equalled by few as a show and utility fowl, now occupies a place in the show room in striking contrast to its old-time position. Here and there we see a goodly class of them, but on the whole they are not shown in anything like the numbers they were a few years ago.

The Buckeye Red has yet to make a record. It enters a field already crowded, but there is always room for merit. We shall see.

As exhibition fowls the Asiatics have not more than held their own during the past five years. In each of the larger and more prominent shows a few extra choice specimens are seen, but they are no longer large classes. New England is still loyal to the good old Light Brahma and at the Boston show a good class of extra choice specimens are shown. Cochins, with the Buff leading, the Partridge a close second, are not seen in greater numbers than they were five years ago.

This is the condition of affairs as regards the show room strength of the various breeds and varieties today. There will be changes of positions during the next five years beyond any doubt.

Let us consider the matter of changes in the different breeds and varieties as to form and color markings. Has there been decided improvement? Yes and no. The most marked change has been, and very naturally, too, in the new breeds. Here there has been great improvement. In uniformity and evenness of color much has been gained by Barred Rock breeders. This improvement is very noticeable. Now it is not uncommon to find specimens of this variety possessing the same shade of plumage color throughout. It appears that this improvement is more marked in the males than in the females. In shape improvement much has been accomplished. Distinctive Rock shape has been carefully guarded.

In White Rocks much good work has been done. Size of comb has been much reduced. Proper attention has been given color and shape. Buff Rocks are better in color and shape than they were a few years ago. The brick shade of color has practically disappeared. There has, too, been much improvement in head points, especially as to comb shape and size.

The improvement in Wyandotte shape is most marked. The Wyandotte is essentially a bird of curves. The desired shape—the typical Wyandotte shape—has been secured and can be easily retained. The long, sloping back is seldom seen now. Length of neck and shanks has been reduced. All these distinctive characteristics must be retained to keep the White Wyandotte in its leading position.

We think it is going to require almost superhuman efforts to retain size and vigor in White Wyandottes and White Rocks if the now imperative demand for absolutely chalk white plumage is made permanent and fanciers breed from only such specimens. This is an important matter, and sooner or later must be squarely met by breeders of these varieties.

Leghorns other than Buff have made but little improvement in color markings. Shape has been somewhat improved. The straight-up tail of former years has been lowered several degrees. Head points have been benefited.

Buff Wyandottes have been bettered in color. The females are now bred near to perfection in color.

Orpingtons are being toned down in color and much improved in shape and head points, especially in combs.

The S. C. Black and S. C. White Minorcas have been so good for so long that improvement of late years has been very slight. It is a matter of retaining the desired shape and color rather than securing it. There has, however, been improvement in head points and there yet remains work along this line.

The breeders of Partridge Wyandottes have made more and better progress than was ever before made by those in charge of a new variety. Color markings have been thoroughly established, and it is not uncommon now to find specimens of this variety as well colored as the best Partridge Cochins. Size never bothered the Partridge Wyandotte breeder. That he had at the start. It was shape that for a time barred progress. But this has been secured. It is the standard-weight specimens of this variety that possess the required shape. The extra large specimens—and many of them are over standard weight—are, very naturally, lacking in true Wyandotte shape.

The Silver Penciled variety has not taken as strong a hold on popular favor as have the Partridge. But they are in good hands and will be rightly established in time.

But little improvement is noticeable in the older breeds. In speaking of Brahmas and Cochins, Mr. John H. Robinson, editor of *Farm Poultry*, says:

"The Brahmas and Cochins of 1900 were as good as those of 1905. The Asiatic fowls from 1865 to 1890, say, made great advances in both shape, size, color and markings. Compared with their distant ancestors, the Asiatic fowls of today show a great improvement—a refinement of figure, richness of color and accuracy of marking, which give to them the appearance of fine breeding. But during the past five years, and probably a considerably longer period, they have apparently remained stationary. They are big, beautiful fowls—but they are what they were years ago. Can they be improved no further? Have they attained their highest and most perfect development? One can hardly say this, and yet, if this be not so, why do they not advance?"

New England is the home of the Light Brahma, and the Brahmas and Cochins shown at Boston each year are representatives of the best in America. We quite agree with Mr. Robinson.

One reason why the Light Brahma is not shown in as great numbers as it used to be, and is not so generally bred as it once was, is, in our opinion, very plain. The eastern and western types of the Light Brahma are not at all alike so far as shape is concerned. In the west the original type is adhered to. These in comparison with the eastern Light Brahma are long of back and tightly feathered. They are the kind of Brahmas I. K. Felch made and still fights for. And it must be said they are the kind of Light Brahmas the Standard of Perfection calls for. The winning Light Brahmas in the east are more heavily feathered and have somewhat the Cochin shape. That the eastern Light Brahma has been Cochinated to considerable extent is a matter of record. With these two types battling for supremacy it is very evident that the breed must suffer, and it is not difficult to account for its falling off in the show room, and not at all strange that many fanciers hitherto breeding this fowl have discarded them and taken up a breed in which there is no division of opinion as to shape among its friends.

Standard bred poultry fanciers are at work constantly in the betterment of their fowls, along lines of utility and beauty combined. The improvement must of necessity be slow, but it is surely being made. The standard bred poultry business is on a better and firmer basis today than it was yesterday. That foundation will be stronger and more secure tomorrow than it is today.

THOS. F. RIGG.

EGGS FOR HATCHING AND THEIR CARE.

A Great deal Depends on the Care Given Eggs Intended for Hatching—The Proper way to Make a Nest for a Setting Hen—Care of the Hen.

Written by Rev. C. E. Petersen.

It is of course a given fact, and beyond refutation, that there must be all the elements of a chick inside the shell of an egg before we can expect to have a chick emerge from it, but the part the poultry keeper plays in the proper feeding, care and management of the breeding stock, which are to produce the eggs from which we expect the chicks to come, is not so well understood as might be desirable for a successful hatch.

That the chick in the egg needs as much, and perhaps more, care than the chick out of the egg is as much of a fact as our first statement, yet for all that not so generally accepted by the many.

A great deal of unsuccessful poultry keeping may be traced directly to improper hatching methods and the lack of care

all necessary, and our experience goes to show that eggs for hatching will do better with as little turning and handling as possible. The temperature where the eggs are to be stored should not be too low nor too high, and we have found that a cellar in which vegetables can be kept from freezing is about the best place to store eggs for hatching purposes, providing it is well ventilated, sweet and clean. When an egg has become fertilized it contains a minute speck, or germ, which is alive and under proper conditions will develop into a perfect chick.

It was at one time believed that a complete chick, but in miniature, was contained in germ and simply by the application of heat grew into the fully developed chick by the enlargement of its different parts.

This theory is not accepted by any scientist or biologist nowadays, the cell growth theory being the one commonly accepted.

The contents of the egg has no more to do with the chick than has the milk to do with the baby; it furnishes the elements of growth on which the embryo grows and matures into a perfect chick.

From this it can easily be seen that care is necessary to preserve the contents of the egg as near as is possible in the condition it was in when it was gathered from the nest of the hen which laid it.

Where pedigree breeding is the method of keeping the strain



extended to the eggs from which we expected chicks that would grow and live, but instead of that gave us nothing but trouble from the time of exclusion to the time of its exit out of this world.

That the proper care of our breeding stock has much to do with the strength and fertility of the eggs used for hatching purposes we all know, and therefore well ventilated houses, fresh air and exercise, with good and wholesome food, is one of the factors to be used in supplying hatchable eggs with a good strong life germ inside of them.

All this care, however, may be wasted if the eggs do not receive the proper care between laying and the beginning of their incubation.

All the eggs for hatching should be carefully gathered and stored away, preferably in bran, to protect them from undue evaporation of their contents.

It is the usual plan to put them with the small end down, but it matters little whether the eggs are put small end or big end down, or on their side, as long as care is taken to turn them every now and again, and be sure that your turning be done gently, so that it will not amount to the kind of turning which is simply to be called rough handling. Where eggs are not to be kept for more than a week's time no turning is at

intact it takes sometimes from two to four weeks before eggs enough can be accumulated for incubation, and during this time it is necessary to preserve the eggs in such a way that no evaporation of the contents takes place; this can be done by (as I have already stated) packing the eggs in bran, after having wrapped each egg in paper.

We do not believe, however, that it is a good plan to keep eggs for hatching longer than from a week to ten days, yet we have secured good results from eggs kept even as long as full six weeks, but as a general thing this is not at all to be recommended if success is to be expected.

The stimulation of a female's ovaries for increased egg production is detrimental to fertility and strong germ development; it should never be resorted to where the breeding of stock birds is the main issue.

Sexual stimulants administered to a cock bird, that because of his years is passe, is also to be depreciated, as no good can be accomplished by such a course of proceedings.

If he is not in the prime of his powers he cannot influence his progeny (if any) so as to give it his own desirable characteristics, and in most every instance where such means are resorted to weak germed eggs result. Eggs for hatching should be gathered several times during the day in cold weather,

and where the house is easily rendered very warm, in the early summer months, the same care in gathering the eggs should be observed, as in the first instance the egg may be chilled, and in the second overheated so that the germ may be started into activity.

After eggs for hatching have been received from any considerable distance they should be unpacked and allowed to stand for at least twenty-four hours before being put under the hen or into the incubator. The constant jarring received on the journey will be counteracted by this resting of the eggs and result in a better hatch.

But the hatching of the eggs by hen or incubator deserves our notice, as it is here the greatest mistakes are made, sometimes for want of a little instruction and sometimes because instruction is not accepted.

Where an incubator is to be used, and in very many cases for the first time, carefully read the instructions sent out with the machine and do not mend them, but follow them to the letter. The manufacturers of the machine are in a position to know how their machine should be operated and it is for their best advantage that the machine turns out as large a hatch as possible; therefore rest assured that they have experimented to this purpose so that their instructions will, if other things being equal, give satisfactory results.

Where the natural incubator and our trusty friend the hen is to be used a great deal needs to be said on the subject of letting her alone.

The nest should be properly constructed and so situated that the hen brooding the eggs contained in it will not be molested.

In making the nest pay some attention to the rules that nature has taught the hen and which, like many other simple things in nature, are of far more consequence than most persons suppose.

All birds like secrecy in their nests and even the tamed hen will often not proceed with her work of nest construction if she is watched, so it is necessary to use a little strategy to get to see her at her work.

She seats herself on the ground and, loosening the earth with her strong claws, she keeps turning round as she places sticks, weeds or straws in a circle round her.

In turning round her breastbone moves the loosened earth from the center and leaves it in a ridge round the nest, under the vegetable covering, at exactly the right distance to keep the eggs in and the cold air out. The diameter of the nest is thus measured by the length of her breastbone, and the bottom of the nest is flat like the bottom of a plate, not curving like the bottom of a saucer; so that whilst every egg is kept in the nest by the outside rim, the outside ones do not press on the center ones.

Now why is this of so much consequence? Simply because it facilitates matters as far as the brooding hen is concerned in the turning of and moving of her eggs around the nest.

Make a nest as most persons generally make it, with a saucer-shaped bottom, and each outside egg pressing hard against the center ones, and then try how difficult and dangerous it is to make the eggs travel about in such a nest, and you will have an immediate answer to the question so often asked, why eggs hatch so much better in a stolen nest than in the one you made for the hen. Go about it in the same way the hen does, when you construct the nest, and make the nest box large enough to contain a plentiful supply of fresh, moist earth, and you will find that you have at least solved one of the problems connected with a successful hatch.

No eggs are fit for sitting on unless the shells are strong, smooth and regular, and the eggs of the usual size laid by the hen. The badly shaped eggs seldom hatch; the thin shells will endanger all the other eggs in the nest. The fine large eggs laid by hens hatch larger chicks than the smaller eggs laid by pullets, but the smaller chicks from the pullets are often more vigorous and will overtake them at a month old.

It has been said in books on incubation that the Egyptian professional hatcher can tell if an egg is fertile by looking at it. This we do not believe to be possible, but it is possible to know when an egg has been incubated, say for from three to five days, to tell it, and we can almost to a certainty tell it by touching it, as an infertile egg will cool rapidly and the hand is very susceptible to this change of temperature. Tasting out of the eggs is an expediency which is of much value to the poultryman, but I would not advise the beginner to do it himself thus early; wait till the tenth day, and then even a tyro can make no mistake in the selection of the fertile from the infertile eggs.

Last season we received a letter from a man to whom we had sold eggs, in which he stated that he had tasted out the eggs after the hen had been brooding them for two days and that most of them were infertile and that he did not expect much of a hatch.

Fortunately he left the eggs under the hens and we wrote him to leave them there till it was time for them to hatch and then report to us, which he did, with the result of a two-third of a hatch.

Ignorance is much more in evidence than dishonesty when it comes to the reports received from dissatisfied customers who were disappointed in the outcome of their hatching operations from eggs bought for this purpose.

Another fruitful source of an unsuccessful hatch is the almost irresistible impulse in the beginner to see how things are progressing the day the hatch is expected to come off.

Let the hen alone; no good can come from disturbing her in any way; make a resolution that you will not touch her, no, not even go near the nest, till the twenty-second day, when if the hatch is a good one you will find a row of little heads peeping out from under her.

By putting the hand under the hen to find out if there are chicks hatching you are endangering the whole rest of the uncompleted hatch by letting in a lot of cold air, which will let the warm moisture so necessary to a successful hatch out of the nest and in consequence the unhatched chick will dry fast to the shell, a prisoner to death, in most every case. Again, don't fuss with the eggs by immersing them in water, sprinkling with water or any number of things generally recommended by the knowing ones in the science of incubation, about which they know as little as it is possible to know.

Under no circumstances should a hen be fed on the nest. She requires a short change of position, as much as she requires food or water, and the more she is fed the more she will suffer in her effort to keep her nest clean.

The brief cooling of the eggs is necessary to promote the change of air in the large end of the egg, whilst anything that compelled the hen to pollute her nest, or even the air near it, would greatly endanger the health and lives of the embryo chickens.

Most hens will not eat a great deal while sitting, so don't worry because of that; it is evidently nature's intention that the sitting hen should lose flesh rapidly, and it is far better for her future moulting and general well being that she should do so.

A heavy, fleshy hen rarely makes a good nurse or sitter; she often breaks her eggs and at the time of hatching most generally tramples more or less chickens to death.

When an egg has been broken and its contents discharged in the nest it will be fatal to all the rest unless at once attended to.

It varnishes the shells and prevents the necessary passage of air through them; it makes them adhere to the feathers of the hen and causes a repetition of the accident; it makes the eggs adhere to each other and to the nest, so that the hen cannot properly turn and move them about; and it soon poisons the air in the nest and makes it fatal to the embryo chicken.

When such an accident happens the eggs must be well soaked in water 100 degrees and cleansed with a cloth, the nest entirely renewed and the hen's feathers looked to.

Some time another kind of accident will endanger the hatch, as when a hen goes on the wrong nest, or leaves it, and when you arrive you find every egg cold, and most all hope gone as to receiving any results from your trouble.

If the eggs have been under the hen two weeks or perhaps some days more, it is well to heat a woollen cloth, put eggs in it, and cloth and eggs into a warm oven, until another hen is procured, and there is hope that a part of the eggs may hatch.

If early in the hatch, say the first few days after the first week, it is almost useless to resort to any remedy, as the embryo chicken is most easily killed at this stage of its existence, yet, if the eggs are valuable, the same means may be tried, so at least to be sure that all was done that could have been done to secure a hatch.

The French method of preparing poultry for market is acknowledged, in some respects, superior to others. The birds are made very fat and plump, and are manipulated to increase plumpness. A few feathers are left on tail and neck. The skin is white and delicate. Each carcass is tied with a ribbon, and is shown back uppermost instead of breast up, according to the English as well as our own style.

The fowls of the American classes are prolific layers, and as market poultry are unexcelled. Mr. Adams will find that there is more money in eggs than in market poultry. We would advise him to make a specialty of the egg trade. There will be, in the natural course of things, more or less market poultry to dispose of.

You can soon spoil a good reputation with poor stock.

SUCCESS WITH BROODERS.

How to Manage a Brooder in Order to Get Strong, Healthy Chicks.—How to Feed and Care For Chicks.

In writing on this subject, I shall probably run up against the pet theories of many popular writers, but as what I am about to say is based on practical experience, and not on theory alone, I have no apologies to make.

In order to be successful with a brooder, we must have a brooder that is constructed on right principles, else, instead of success, dismal failure will be the result. There are a few brooders manufactured and offered for sale that will do the work to perfection, and there are very many more that are nearly or quite useless and in some cases worse than useless for many thousands of chicks have been ruined by their use. Don't let any manufacturer of brooders convince you that it is necessary to have a self-regulating brooder, for you do not need anything of the kind.

The successful brooder must be so constructed that the chicks can accommodate themselves to any degree of temperature which they may require, and it is surprising to see how quickly the little things will learn to take advantage of such opportunities. When the temperature cools down a little they may be seen to draw nearer to the source of heat, and when too warm will retreat to a cooler place again. If the brooder is of equal temperature in all sections, the chicks cannot thrive, for some of them will require more heat than others. You may confine a dozen men in a room heated to 70 degrees, and some will be too warm, and some will think it decidedly cool, while others will declare the temperature correct, consequently they could not all remain in the best of health if so confined for any length of time, and what is true of men is also true of chickens in this respect at least, so it is obvious that the successful brooder must be something more than a box heated alike in all sections.

I have used many brooders of as many different styles, heated both by hot water and hot air, and have made several myself, and while I do not propose to give plans for making a brooder, I will say that the brooder, to give best results, must not only be arranged so that each individual chicken can find just the degree of heat he may desire, but must also be thoroughly and perfectly ventilated; and, to my mind, this means a constant supply of pure fresh air passing through it at all times. In order to accomplish this, cool air must come in from the outside and after being heated by coming in contact with the heater, pass up into the brood chamber and must thoroughly circulate through it, then pass out into the open air. Another important feature is such construction as will insure good facilities for cleaning, for the brooder *must be kept clean*, or you cannot expect to succeed, and if the cleaning process is attended with too many difficulties there will be times when the most careful attendant will be forced to neglect this most important duty.

The lamp must be so protected as not to be affected in the least by wind or drafts of air; look to this matter carefully before intrusting your brood to any brooder, for some otherwise good machines have failed on this account. Let me here say I have not the greatest faith in out of door brooders any way (not on account of the above trouble, however, for most brooder lamps are proof against winds), but while I use them to some extent, I have never raised as good chicks in them as I have indoors, which I account for on this wise: there are times when the weather is stormy for several days at a time and chicks must be confined inside, when they will worry and fret to get out, which hinders growth and they get a set back, which they never overcome, while those in a small brooder house can have the run of the same and scratch in the chaff and are contented and happy, and here lies a great secret in raising chickens, as well as all other live stock, and one must make such arrangements as will insure contentment and happiness to the greatest degree possible.

Another thing that must not be forgotten is the tendency to overcrowd the brooder. I care not how large it may be, unless it is divided into sections, no brooder is large enough for more than fifty chickens, and then the number should be reduced to thirty after they are three weeks old; at least this has been my experience. When men will advertise a brooder three feet square as being large enough for 100 chicks, there is something wrong. I don't say that they are dishonest; they may not be, but if they are not, they are certainly terribly deceived and are deceiving others, and if they are, they should be sat upon hard; and if ignorant, should be enlightened, that the deceptions be practiced no longer. I am very much adverse to calling a man dishonest till he has been proven so, for I find there are many men of many

minds, and we can't all see things in the same light, so like to be as charitable as possible.

One thing more about the brooder, and I will leave this part of the subject and give attention to the feed and care of the chicks. In buying a brooder, if it is intended for out of door use, be very sure it is absolutely waterproof. I have had some brooders from the manufacturers which have been very faulty in this respect, and after a very short time would leak badly; this is a bad defect, not easily remedied and very annoying to say the least. Such a brooder can be used under cover only, with success. In closing this part of the subject, I will say I very much doubt my ever buying or making another out of door brooder for reasons *herein given*.

HOW TO FEED AND CARE FOR THE CHICKENS.

This part of the subject is fully as important as the one treated above; in fact, to me it seems that no one part of the work is of more importance than another, for when one looks upon any one thing in the care of chicks as being of less importance than another that thing is quite sure to be neglected, and neglect in any respect is detrimental to the highest degree of success in any enterprise, and especially is



BUFF ORPINGTON COCK.

Winner of 1st prize at Gosben, Ind., January 4-7, 1905. This bird is solid buff in every section and produced some wonderful solid buff pullets last season. He heads one of my pens mated for the egg trade this year. Bred and owned by Will H. Schadt, Gosben, Ind.

it true in the poultry business. Contrary to the advice of most writers, I do *not* leave my chicks in the incubator till the hatch is completed, for my teacher (experience) has taught me it is better to look at them as often as three times during the day. (Morning, noon and night.)

Look through the glass door and see how things are progressing; there may be some chicks with shells dried on their little backs, which must be removed; and when there are a goodly number hatched out and dried off it is a good plan to remove them to the brooder, which has been previously heated to the proper degree; for if they remain in the machine they will be a hindrance to those coming out later. I know some machines are so arranged that the chicks drop down under the drawer when liberated from the shell, but I do not approve of such a plan, for the temperature is almost sure to be several degrees too cool for them, while wet, for they require fully as much heat until dry as they did while in the shell, and if it is hot enough under the drawer for them there is sure to be too much bottom heat to give a really good hatch, but care must be exercised not to keep the door open too long and by being expeditious about it I have never had any ill results from the practice, but have saved many chicks, which otherwise would have been lost.

Have everything needed at hand, make up your mind just

what you are to do, and then open the door and do the work quickly, close it up, and no harm will result. After they are all in the brooder and comfortably nestling on the sanded floor, I put in a fountain of water, of which they will usually partake before they are ready to eat, and never you fear its hurting them. Nature is the best judge in this matter, I am sure. This raising chickens without water I have no sympathy with whatever. It is a cruel and unwise practice, to say the least. I have found also that food will not hurt them if they care to eat it, no matter how young they may be, for they will not eat enough to hurt anything, so don't lose any sleep over that.

They will not eat much until they are two days old; then should be fed regularly. The best food for the first two weeks, I find to be crushed cracker moistened with sweet milk given three times a day, and millet seed scattered in the chaff, for which they delight to scratch between feed. After two weeks of this feeding, I continue the millet seed, but gradually change from the cracker to a cake made of two parts ground oats (hulls sifted out after measuring), two parts shorts, one part Indian meal and one part ground

ten days old, no matter how cold the weather may be. I once had a promising lot of chicks and the weather was so cold I did not dare to turn them out, but after two weeks of confinement they began to drop and I opened the door and brushed them all out with a broom, and after keeping them out about ten minutes let them in again. I repeated it several times during the day, until they would go out of their own accord, and the result was most satisfactory, for inside of two days they had all brightened up and they thrived wonderfully. Chickens reared according to the above methods if they have a fair range where good green crisp grass can be had and shade under which to rest in the heat of the day will thrive wonderfully and be a source of pleasure as well as profit to their owner. If any one questions my methods, I would like to say to such a one that my losses by disease are less than 5 per cent and my pullets lay young and constantly and I raise many prize birds every year.

There may be a better method than mine, but this one seems to answer my purpose better than any other I have tried (and I have tried about all), so I advocate its em-



SILVER PENCILED WYANDOTTE.
Madison Square Garden Winner. Head-
ing Pen No. 1 for H. H. & E. M. Coburn,
Memphis, Mich.



SILVER PENCILED WYANDOTTE.
First cock at Detroit State Show. Owned
by H. H. & E. M. Coburn, Memphis, Mich.

scraps; mix with water, put in a little salt and a little soda, and bake thoroughly. They will stow this feed away quickly, and it does one's heart good to watch them. When four weeks old, I leave off the millet and substitute cracked corn instead, and when they are well used to a soft feed, consisting of two parts ground oats (hulls left in), two parts shorts and two parts ground scraps, slightly salted and mixed with water, but never so wet as to be sloppy, this in the morning, with wheat at noon and cracked corn at night (sometimes changing the order of feeds), constitutes their food till the pullets are nearly ready to lay or till the weather gets so cool that they stand around idle, when I make them scratch for all dry food, and as the grass fails I give cabbage, boiled turnips, potatoes, clover or any vegetable food which is relished by them. Of course, they always have access to sand and gravel, and charcoal is sometimes beneficial, I think, but not always necessary. I think it pays me during the hot months of summer to give cool fresh water three times a day. I find that chickens must not be confined strictly to the brooder or house after they are

ployment. In closing I will say one may have the best brooder ever made and employ the best method of feeding ever devised and be lacking in judgment or untidy and careless about their work and the chicken business will be a failure with them, for if there is any occupation known to man that requires good judgment, constant attention, painstaking and care it is the chicken business.

My closing advice is let no sluggard embark in this craft.
Nash, Mass. M. M. SHURTLEFF.

A speaker at a Farmer's Institute said: "Yarded fowls are the modern improved egg machines. Fowls let run and given free range cannot produce as great number of eggs, for the reason that they convert a part of the food into muscle, and thus reduce their capacity for forming the eggs." In his own case, he said, he increased his egg yield 18,720 eggs last year by yarding his fowls.

Remember it is the food given, and not the breed employed, that gives us the rich flavored eggs.

GAPES---CAUSE AND REMEDY.

Gaps! Who said gaps? I have heard it every season since I was a small child and expect to hear it as long as I am kept in touch with poultry.

Shall I tell you of my experience, not theory, but my own personal observations and the personal chat with intimate friends?

In my youth my father had a two-story hen house, well lighted and ventilated, yet very warmly built of ship lap weather boarding and lined with matched flooring taken from an old house. We were farmers and my mother had the idea "if little chickens were kept off the ground for the first six weeks of their lives and allowed plenty of hay, seeds and gravel to scratch in, on the second floor of this hen house, that the gaps would be scarce," and they were.

I never saw a case of gaps in that loft when the chickens were not allowed to touch the ground until six weeks old; the chickens thrived well, too.

At one time a hen had stolen her nest and hatched her brood in the orchard and the chickens were perhaps two days old when caught and put into the loft with their mother among many other little fellows which had never

off the gaps, while a lousy bird is weak when the gaps come and is likely to die or be stunted in its growth by two diseases taken at once.

Are they diseases? One is taken from the parent bird, the other is taken up from damp, contaminated ground.

Again are they diseases, or is each one filth? Let us keep them as clean as possible, the cleaner in all ways the healthier the birds, providing other things are equal.

Perfect cleanliness is impossible. Hence, gaps. When first I hear the little birds sniffing I feed some turpentine to them in their soft feed--say a thimbleful in the feed for a hundred birds under a month old. Mix this thoroughly and increase the turpentine as the amount of feed consumed by older chicks. This nearly always checks the gaps with perhaps the loss of two or three in a flock of 100 chicks.

Another good way is to take a bottle of turpentine and pour it over the bottom of their coops and feed boards; it seems to kill or drive away the gap-worms.

Last June we hatched an incubator full of chicks, sixty-two in number, about the same time we had seventy-nine hatched by old hens. The incubator chicks were placed in a brooder in a dry floored shed and kept on the floor until about four weeks old, while the hens and chicks were



SINGLE COMB WHITE LEGHORNS.

Bred and owned by Elm Poultry Yards, Hartford, Conn.

touched ground. In a few weeks these little stowaways were seen gaping and three of them died while others got well, but none of the original loft chickens took the gaps.

For several years I followed this way of raising spring chickens, then came to my own home and had no loft. What was I to do?

I should say we now. We procured store boxes large enough to accommodate a hen and about twenty small chicks and not more than a foot deep. Into one of these we would put biddy and her newly-hatched brood, upon some chaff or hay seeds. This box is placed in the buggy shed, where we had a wire screen door facing the south. Here biddy is kept for about two weeks, or until the little chicks can jump or fly out of the box.

We have had five hens in this shed at a time, while each brood is penned in its own box and the hens all free. This will not do where the hens are quarrelsome, but ours are the Light Brahmas and very quiet and peaceable.

From these boxes we transfer the broods to separate coops with board floors, so that the chicks do not roost on the damp ground. But even with this care we see some gaps.

Now comes the care of a brood when we see the gaps begin to come. My neighbor says "she thinks that gaps are caused by lice." She says she does not lose many chickens if they are kept free from lice." While my experience has been that chicks free from lice are strong enough to throw

placed only a few feet away in another dry floored shed, but allowed to run at large with their mothers on pretty days and came back to roost at night.

We did not have one case of gaps among the brooder full of chicks and raised fifty-six of these to market size, while among those allowed free range we lost several by gaps and a few by accident.

So my mother's old theory of the chickens kept off the ground until a month or six weeks old is still more strongly impressed upon me as the seasons come and go. *Gap worms do not germinate on dry floors!*

Venetia, Pa.

E. B. McANULTY.

H. W. Collingwood says that we may have lime in our flour, lard in our butter, peanut shells in our coffee, sawdust in our tea, basswood in our hams and sand in our sugar, but the eggs cannot be successfully counterfeited. Our little friend, the hen, with her marvelous inside fixtures, will still continue at the old staid, putting her humble grist together, and shelling out this most miraculous of animal product--the egg.

A Brahma is always sharp-breasted unless it is hog-fat, while a Leghorn may be comparatively poor and yet have a plump breast, says *Farmers' Voice*. The difference is caused by the habits of the two breeds.

ABOUT RAISING CHICKENS.

A Few Timely Hints on the Care and Management of Young Chicks.

To many this is a very small subject and of too little importance to pay much attention to.

I find these are the ones who sneer at you if you say there is money in fowls and laugh at you if you speak of pure-bred fowls, just as though there was any difference. One said to me not long since: "An egg is an egg and a chicken is a chicken and I don't see any use in making so much fuss about pure-bred fowls."

I know this is a large subject and room for all to practice and improve. To raise chickens successfully there are several things to be taken into consideration:

First—I believe we ought to have the control of our breeding stock for several years back and be sure it is strong and healthy, well fed, well cared for and of standard requirements. Here is a good beginning.

Now, if hatched by incubator and raised by brooder, be careful and not over-heat them, for this is sure death. I read not long since that a sunny disposition was required to raise chickens and I believe it, for when you have to

kindnesses. But push right along and some fine day you will come out victorious.

If you have not got out enough chickens before June, hatch through June. If kept free from lice and shaded they will be nice chickens in the fall and do nearly or quite as well as early ones and lay almost as soon. If hatched too early they will moult in the fall and this will retard their laying until spring. It is a good plan to cull as soon as possible, placing the culs by themselves and fatten them for market and table use.

Place the pullets to be kept by themselves and feed for good frames and health; also the cockerels alone, as they bother the pullets and do not grow as well as when alone.

Those meant for breeding purposes should not be rushed but kept growing and allowed all the run possible, in order to make good, healthy, strong stock before cold weather.

St. Louis, Mo.

MRS. E. M. SINCLAIR.

SETTING HENS.

Old as the above subject may be it will always find some to whom it is new, as every season finds some commencing in a small way before venturing to try the incubator, and as the hen is the only means of hatching with many beginners a short description of the plan we have found most satisfactory may be of help to readers of AMERICAN POULTRY JOURNAL.

To be really successful one must begin further back than the mere act of putting the eggs under the hen, which means the purchasing of eggs from a reliable breeder of stock of known vigor and worth, for the chick, like members of the human family, has the right to be well born and should be given that right by proceeding as above.

After we have made things ready for the reception of the hen, who should have been left for three days on the nest to prove her good intentions, we remove her after dark to the nest prepared as follows: In a box about 12x14x20 inches we have turned on its side we place a shovelful of moist earth, loam preferred, in which has been mixed a small shovelful of coal ashes, and on this the nest material of straw without grain in it, shaping so not to leave too flat, neither so deep as to hinder the hen in turning the eggs—the form of a saucer is about right—and over all we sprinkle a good supply of lice powder. This done, we dust biddy freely with the same and consign her to her three weeks of lonesomeness. Have your nest room in a quiet spot sheltered and not too light, provide a dust bath, good sound grain and fresh water daily and twice during incubation dust the hen freely and you may be assured of a good hatch.

It is usual with us to set two or more hens at one time, as in so doing if the weather be such as to permit two broods may be given the one hen to mother and the other hen returned to the yards and other duties. Eggs should be tested at the end of ten days and all infertile ones removed, thus giving more room to the fertile ones and lessening the chances of nest soiling by broken eggs. Should this happen at any time, and it does frequently where hens are used, take a basin of warm water and wash the eggs, dry carefully and return to the nest prepared with clean straw and no harm has been done.

It will do no harm to confine the hen to the nest the first day by a screen in front of the nest and removing this the second morning, giving the hen a chance at feed and water, by which time in usual cases she will be true to her trust.

Agnew, Cal.

W. S. SULLIVAN.

The breast and thighs must be heavy in a good table fowl, in proportion to the rest of the body. In order to have thick breast meat and big thighs, these muscles must be used by the fowl, is the way *Farmers' Voice* reasons. In other plump breast, says *Farmers' Voice*. The difference is caused words, the flyer and scratcher will prove to be the best table fowl, for their lively habits give the muscles of the legs and breast work to do that renders them firm and fine, instead of leaving them flabby and full of loose tissue in the shape of fat.

From estimates made is is agreed that a hen can pay her board with one egg a week, providing the average market price for eggs averages 2½ cents each.

Late moulting hens are as a rule indifferent winter layers.



bury from one to six every morning in the "sunny cemetery" you must have lots of grit or give up.

The great mortality of chicks raised in brooders is caused many times by crowding or trying to keep too many in a small space. They are over-heated and lose strength, and no matter what you feed or how you care for them they will droop and die and you will see Darwin's theory carried out: "The survival of the fittest"—and sometimes there are not many "fittest" left.

Do not put over twenty-five together. Keep coop or brooder clean. Use lots of lime. Keep grit and fine sand on the floor.

For bowel trouble, use a few drops of carbolic acid in their drinking water. This is a sure cure.

There is no play-time during the chicken season. Clean! Clean! Watch for lice. Kill cats and rats, and if it happens to be the neighbor's cat you will very likely have a quarrel with him, for he will think more of his cat than he does of your chickens.

After they are feathered give them all the run possible and good, wholesome grain and you will feel that you are amply paid for your hard work.

One of your neighbors will want to "swap" eggs with you. Another will want to borrow your five dollar rooster, "just to try an experiment," and, of course, you will be rated selfish and stingy when you smilingly refuse these

JUDGES AND JUDGING.

A Few of the Many Things that will be Expected of the Poultry Judge in the Future.

The poultry judge of the future that officiates at our annual exhibits must of necessity be an able, patient, well balanced individual, with a development of his gray matter that surpasses in acquirement of judgment and discretion in passing on standard poultry the well trained mind of the most able interpreter of Blackstone or any other equally recognized authority on legal jurisprudence. Associations, individuals interested, or only seeking diversion must according to some associations and its members be entertained, instructed, privileged at any and all times to ask proper or irreverent questions, he must never lose his temper or be discourteous, even though a thoughtless few, or many, carry on a conversation, comment, criticism or crowd around him to suffocation. To keep sweet tempered, cool and serene, beyond reasonable bounds, must be his strong forte, otherwise he will be no good, because all these and many other features are to be met with at the poultry show, and as the greater majority do not give serious thought or study to standard requirements, they easily lose sight of the importance of a few features, absolutely essential to have an exhibit judged properly so that the awards are placed as they should be, on the best birds in every class. The poultry judge must to a large degree have all disqualifications well in mind when he casts his eyes on a standard specimen. As such disqualifications are not always conspicuous his mind must not make these his main point for consideration to start on, or he will at times find himself oppressed by the mental storm of resentment caused in the owners' and sympathizers' brains by the rude and unnecessary exposure of a favorite bird's faults. He must prove his fairness and impartiality by handling the unworthy birds with the same painstaking consideration that he does the most meritorious. His eye must be single to finding the most correctly shaped, combining in detail of makeup a harmony of parts, that accord in a great measure to what the educated breeder, student and fancier also know to largely fulfill standard requirements, so that when discussing the merits or demerits each may comment with interest and for the instruction of others whose knowledge and progress is not so far advanced. So his interpretation of the description of colors, bars, pencilings, lacing and shadings. His ability to show by comparison of the best, good, medium and poor, just where and what each section presents to his eye and judgment. The surface and undercolor of every variety must be as well and clearly known as the correctness for form for each breed. With this knowledge well drilled into his mind, and such knowledge can only be obtained by study, observation, practical experience as breeder, and an opportunity to put in practice a well formulated system, wherein he can allow play in its application, for small, medium or great faults, so that his work may prove uniform and when done with a class, show accuracy of discrimination to such a degree that others can see it with approval, without this natural and cultivated ability, judging poultry will prove uphill work, and have many disappointments in store for the ambitious candidate for recognition in this field. How then can poultry associations be of greater use to themselves than to have successful exhibits with awards made to the satisfaction of the greater majority of exhibitors? I will endeavor to answer from my viewpoint, and endeavor to give a partial solution to this annually debated question. Poultry associations are organized, or should be, for the purpose of education of themselves as a body of men and women that have a desire to learn what high quality standard described fowls are or should be. When such an organization is formed the questions are brought up when the show is to be held, what judge to employ, the distribution of officers under whose control the show should be conducted, etc. Then if properly cooped and all varieties are classified, there are several ways by which an exhibit can be judged with the least friction, disputes and contention. First, if the room is uniformly lighted so that the judge can work in the aisle from coop to coop, shut off that aisle until the class is finished; secondly, if the light is not good in all parts of the hall, arrange a place where the judge and his clerk can work unmolested by anyone and have the fowls brought in their coops. Another method that I have found the most satisfactory of any—and where there is the least room for friction or contention: Let the chickens be weighed as soon as they come in and have been fed and watered, put weights, band number, sex, variety and entry number on the score card, tack them on the coop, then they are ready for the judge and his clerk to mark down the sets as they are called. By this method I have seen all awards up on every class where the exhibit consisted of close onto four hundred entries, in just ten hours, and then there was ample time to devote to exhibitors and students, so that all

could have an opportunity to ask questions, and help make the exhibit a school of instruction and thus touch on and also point out, the good and inferior features of a class, variety or a specimen. One such conducted exhibit that I had the pleasure to judge three years in succession, I left with the good will of all, so far as I know, at any rate I had no occasion to hold ill feelings against anyone I met there in the three years and I have not the least doubt but what my successor too will prove equally satisfactory because every member of this association wanted to help make a success of the show, regardless of the possible winnings for himself.

Another too often neglected feature of a score card show is a suitable clerk, the importance of this position seems to nearly always be a secondary consideration, yet this position is one of as great importance as any, if not greater than any outside of an able secretary and good superintendent. A clerk that wants the job to learn how to judge should never fill this place, unless he has had much experience or is an expert in putting down figures. The best clerks as a rule are a man or woman who can concentrate their mind on figures and that don't know one chicken from another, so far as standard breeds are concerned. Then with a little patient instruction they readily catch on what is wanted, and by giving their undivided attention they will need but little watching to keep them from putting down cuts in the wrong column, or to the wrong section. While it's a fact that many mistakes are laid to a clerk, he does not have to stand the responsibility, but an association should see to it that a suitable one be furnished a judge, so that he may



R. C. BUFF ORPINGTON.

First prize cockerel at World's Fair, St. Louis. Owned by J. M. Williams & Co., North Adams, Mich.

hold him responsible while performing this duty, then both be held responsible by the association. If you want a judge to "sweat blood" and feel like throwing up his job, just give him a few new clerks during the performance of his work. No doubt there will be some who read this will say "these fellows that associations hire to judge want things made too easy." This, however, is not the fact. Judging standard poultry is a mental process that requires concentration. No man can concentrate his mind and do his best work if he is expected to deliver a lecture with every fowl he scores. An association employs him to place the awards on the best specimens on exhibition. If he fails where conditions were favorable for accurate and intelligent work he proves himself incompetent and unworthy to be called again. His handling of every specimen must educate his memory so that he will be able to show why one specimen won over another when the awards are up, it's true some technical fault, sometimes when a card is added, place what appears to be an inferior specimen over a better looking one, when viewed without handling. But no man can to a certainty make awards or even reasonably dare criticize awards unless he has handled the specimens under consideration. If he does it's only a manifestation of egotism and an unworthy display of qualities undesirable in any man worthy the name of fancier. Poultry judging is a science and can only be brought to greater proficiency when associations aid in so systematizing their exhibits that the expert may work with all conditions made possible for good work.

D. T. HEIMLICH.

American Poultry Journal

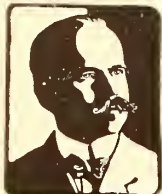
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42,000 A. P. J.'s for April, 1905.

State of Illinois, County of Cook, ss.

Chicago, March 28, 1905.

James W. Bell, manager of the Recorder Publishing Company, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding forty-two thousand copies of the April, 1905, issue.

JAMES W. BELL.

Subscribed and sworn to before me this 28th day of March, 1905.

BLANCHE ELDER EDDY,
Notary Public.

EDITORIAL.

If American Reds, Rose Comb Rhode Island Reds and the same in Single Combs had to pay in spot cash for all the advertising they have received, and double rates for editorial notices, they would be a bankrupt institution! The action of the American Poultry Association at Pittsburg will be history by the time these lines are read, but a month will elapse before all poultry people know of the outcome.

English poultry clubs or specialty societies form their own standards for the varieties they champion and act entirely independent of any other breeders. Every breeder who is interested in his favorite is a member of his variety's club and thus has a voice in the making of the standard. There would be no more thought of working against a deeply in-

trenched club of this kind than there is in America of a new organization supplanting the A. P. A. The dues of the membership are light; in fact there are none at all and the standards of the variety or breed championed by a club are freely distributed. This plan commends itself to those who study it; it shows the principles of right clear through. The fancier of Houdans has a Leghorn or Brahma breeder legislating for him under this plan! He knows that if he does not attend the club meeting there will be plenty of Houdan men on hand to care for the breed. And as a result these club standards stand for years. We will sooner or later try the plan, and then delays of one fowl's standard will not be the cause of another's. Also a more perfect representation will result and this for the good of the industry.

* * *

The Sydney Daily Telegraph for February 4th reached us on March 11th. This paper brings monthly news of the Australian Laying Contest and says that the standing of the leading pens of six hens each are as follows up to and including the tenth month:

White Leghorns (Australian).....1050
Silver Wyandottes (Australian)....1040
White Leghorns (Australian).....1040
Black Orpingtons (Australian).... 996
R. C. W. Leghorns (American).... 988
R. C. B. Leghorns (American).... 974

The American White Rocks, White Wyandottes and Rhode Island Reds are on down the list, standing well towards the top. There are but the months of February and March yet to hear from and the evidence so far is that we cannot hold better places than our American fowls now have. The change of climate nearly upsets our birds in the molting, as they go through two of them during the year in which the change takes place. There are many things being said of the American Rose Comb Brown Leghorns bred in Australia from the early importations. The fourth annual contest begins April first, this year, and some few pens of Australian bred American strains will be entered. This fourth contest will decide, to a great extent, the value of our strains, as the fanciers of that country who are entering the offspring of American bred birds in it know how to get best results from good fowls. We shall keep a closer watch than ever upon the contest starting April first. As yet there are no American fowls entered.

* * *

So many tales about poultry keeping are told that we cannot begin to believe them all. Poultry, our English contemporary, says that General Stocsel's pet game cock was killed by a shell from the guns of the sturdy Japs. The reader who applies a bit of common sense to the story would not suppose that the General had any spare moments in Port Arthur to admire game cocks.

* * *

We should all be interested in the building up of old varieties, especially when those varieties are worthy. And along these lines Mr. E. G. Wyckoff should be encouraged. Recently he has gone to much expense and trouble to import some extra choice specimens of Black and Pyle Leghorns, two varieties very nearly extinct in this country though bred somewhat some years ago. There will be a revival of these handsome fowls now. It must be so when so good a fancier as Mr. Wyckoff sets hands to them.

Mr. Wyckoff has been a good addition to the ranks of Leghorn fanciers as he has put much good business sense into their breeding and pushing. He has also done his share and more to bring all the merits of the Partridge and Silver Pencilled Dottes to the high state of perfection and popularity they now enjoy.

* * *

The League of New England Poultry Associations is now a babe with a name. There has been a movement on foot in the West for six months or more to make a circuit of the Missouri, Iowa, Nebraska, Kansas and Colorado shows, but as far as getting them under one form of management is concerned this has been thought too gigantic to handle—and it is. South Dakota and Minnesota might be included in this western circuit. It could begin with Missouri, then Kansas, Iowa, Minnesota, Nebraska, Colorado and lastly South Dakota.

* * *

Mr. Howard Gould has invested nearly \$10,000 in the building of a pheasantry at Port Washington, in the state of New York. Fanciers who know of this man's plant say he is one of the best fanciers they know of. He is putting money into the breeding of good poultry, but takes especial pride in his pheasants. We welcome him to our ranks, indeed, and shall be glad to say a few things about his exhibits when they appear.

* * *

A poultry fancier at Petaluma, California, has planned and is building a farm that will support 12,000 laying hens the year round. Three men will be required to care for the poultry. Alfalfa will be used largely for green food and the base of mash feeds. This man, Mr. George L. Russell, expects to make a profit of \$1.50 per hen on the entire flock. To us in the East who think 1,000 hens are more than one man can care for, this looks like a big undertaking, but out there where things are done on a mammoth scale, we may expect great things.

* * *

The latest report is that Billy McNiel, of Canada, who has headed nearly every delegation of Canadians that ever came over to our shows and took home a sack full of the money, is leaving the ranks for good. At St. Louis his winnings amounted to fourteen hundred dollars! Who ever saw Billy with a poor bird in his string? Who ever saw him without a cheerful word for every one around? And we will all miss him.

* * *

We frequently have letters sent us containing questions to be answered, or articles to be published, or comments on different subjects of general interest in the poultry yard that come unsigned. To all these correspondents we would say that all communications of this nature should bear the name and address of the writer, not necessarily for publication, but as an evidence of good faith. When the communication appears in print the name and address can be eliminated if desired by the writers.

* * *

Thos. F. Rigg, Associate Editor of AMERICAN POULTRY JOURNAL, will be in attendance next season at the New York, Boston and Chicago shows, and will report these events in the columns of AMERICAN POULTRY JOURNAL for the benefit of its readers.

HATCHING CHICKENS WITH HENS.

Spring time is again at hand and the cluck of the hen is heard once more in the farmyard. This is the month the farmer should begin to set his hens, in order to get early pullets for winter layers. But how many will keep putting it off, because it is such a disagreeable job fussing with a contrary old setting hen, or because they are too busy with other work until it is so late that what few chicks are hatched at all will not begin to lay before the next spring. How often we hear people remark when speaking about setting hens, "That the pesky old hens are more bother than they are worth."

They can't get them to set, or if one does happen to set she will leave the nest before the eggs are hatched. They seem to think the hen is all to blame, when in fact they are to blame themselves, for if they would take time to look at their hens they would in nine times out of ten find them covered with lice and a lousy hen never makes a success at hatching. She will either break half of the eggs, or desert her nest most every time. Of course as we all know the best way to hatch chickens is with an incubator, if you have one, but if you haven't you will have to fall back on the old hen. Now it isn't such hard work taking care of setting hens as some people think it is. We have raised from 100 to 300 chicks every year for eight years or more, all hatched with hens and I have never found it very hard work. Of course it takes time, but where is there any work on the farm that doesn't take time? The most important part is to have good hens. The Wyandotts, or Plymouth Rocks are the best as they are not so big and clumsy as the Brahmas and Cochins, although in some cases the latter make good hatches. The common barnyard fowl are as a rule pretty good setters, but the small breeds, such as Leghorns, Minorcas, etc., cannot be depended on. Get your hens to laying in the fall before cold weather sets in and keep them at it all winter. About the middle of February begin to increase their feed, so as to get them fat and you will have all the setting hens you want by the first of April. Where it is possible I have found it a good plan to keep two separate pens of fowls. In one place, the best females of the flock mated to a

good vigorous male bird. This pen is to furnish eggs for hatching. The other need not have any male bird as the eggs will be just as good for market and the hens will set better without him. When a hen becomes broody she should be left on the nest a day or two to be sure she means business. If she is still inclined to set she should be carefully placed in a good nest, in which has been placed some glass nest eggs.

After dark is the best time to do this so as not to frighten her. She should be left alone for a day or so until she gets used to her new quarters, then she can be given the eggs for her to hatch. Both hen and nest should be given a good dusting with lice powder which should be repeated once a week until the chicks are hatched. She should be supplied with a good dusting place, and plenty of corn and grit, also a dish of fresh water. If the hen does not have access to the yard a sod of green grass is quite a treat to her. It is also a good plan where the hen is confined to sprinkle the eggs with slightly warmed water occasionally during the last week. When several hens are to be set a room in the barn is a good place to set them as they will be out of the way of the rest of the flock, and where you can take care of them all at once if you wish. I find a common bushel potato crate makes a good nest for them with another one placed on top of it. The hen can be confined until the feeding hour when she can be lifted off to eat. She will most always go back herself, but if she don't, she can be caught and placed upon the nest. Several hens can be let off at the same time and the work done quicker, although you should always look to see if they all go back. Once a day is all that is necessary to feed them. After the warm weather begins, hens can be set more satisfactorily out of doors. They should be placed in a good sheltered nest with a lath or wire run for them to exercise in. When this method is used all the care they need is to keep water and feed before them.

Ashtabula, O.

A. R. BELKNAP.

According to the claims of cold storage men, brown-shelled eggs keep better than white-shelled ones, as they are heavier and thicker.

RANKINS ROYALS

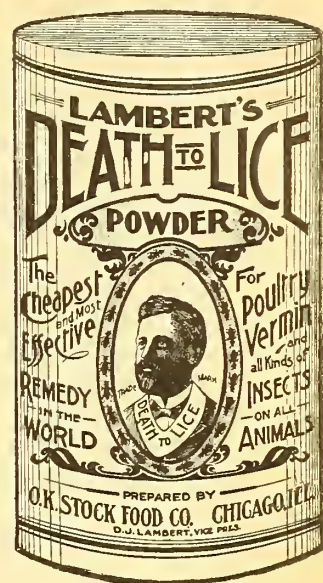


OR AMERICA'S BIG FOUR

from Rankin's Royal Rocks and White Wyandottes. Send for new illustrated catalogue with mating list for 1905. It is free.

H. P. RANKIN

Box 61, Hartington, Neb.



The Best Chickens

are never raised in lousy, filthy quarters, but are those that are kept clean, comfortable and free from vermin. This is why they are the best. Good feed and good care with plenty of Death to Lice will not make show birds out of ordinary stock, but poor feed and poor care, with no remedy for lice, will make culls of the finest stock in the land. This is the reason we use and sell so much Death to Lice.

The Best Time

to look for lice is when you think of it. You should think of it when you read this advertisement. The best time to fight lice is as soon as you have the right remedy. If you have small chickens, go this evening with a lantern and examine their heads. If you see nothing wrong, moisten the end of your finger with kerosene, apply to the top of their heads, and see if any lice back out of their hiding places. Death to Lice Ointment will kill them in their tracks.

The Best Way

to find lice on hens or large chickens is to examine among their fluffy feathers around the thighs and beneath the vent. Death to Lice Powder sprinkled here is all that is needed to destroy these ticklers. Spider lice or mites hide in cracks and crevices around the roosts and nests during the day, crawl out upon the hens and chickens during the night, and feast upon their blood, so that they are red instead of gray in the morning. You can smell these nasty little fellows when they swarm in large numbers, or can find them by looking under and around the ends of the roosts. We have a "Special" for dissolving in kerosene or whitewash that will fix them, or a "Liquid" prepared for painting or spraying inside of the hen-house.

The Best Remedies

to use are those that are known to be harmless to the birds and sure death to the insects. A whole lot of chickens are killed every year by improper remedies. The best is the cheapest every time. One nice chicken saved will pay for a season's supply of Death to Lice. I have been making, using and selling lice-killers for more than twenty years. I know that I am now sending out better goods than ever before. I am giving my customers the benefit of a life-long experience at poultry-keeping with every box of Death to Lice that they buy.

The Best Thing

for you to do now is to look for lice; in your hen-house, on your hens and chicks. If you do not see any at first, look again. When you do find the lice, write and tell me where, and I will advise you what to do to get rid of them. If you want a remedy at once, send me any sum from 10c to \$1.00, according to the size of your flock, and I will send you what you need. If you send \$3.00 I will send you a case at wholesale rates from nearest jobber. Money back if not satisfactory in every way.

O. K. Stock Food Co.,

D. J. Lambert, V. Pres.

408 Monon Bldg.

Chicago

SPRING WORK.

As spring approaches there is much work to be done in and about the poultry yards. With us March is the cleaning-up month; houses and yards are given a thorough overhauling and everything put in first-class condition. We aim to keep them in first-class condition at all times but during the winter some things are apt to be overlooked and some cannot be attended to as well as in warm weather, consequently a general overhauling is needed.

Our poultry house floors are of earth and our first work, after removing perches and nests, is to remove several inches of soil and replace it with sand or dry earth, topped with gravel. Then the perches and dropping boards are thoroughly cleaned and oiled, the nests renovated and the houses whitewashed inside and out. The nests are built along the back and sides of the scratching shed which takes up the space between the two houses. The shed is closed at the rear and open in front except in inclement weather when it is closed by a canvas curtain. I do not like the idea of placing the nests beneath the dropping board. Placed in the open shed they are more accessible and therefore it requires less work to look after them. In colony houses where there is a passageway from end to end the plan of building the nests in the passageway with entrance from the pen, is excellent. The nests are provided with a hinged top so the eggs may be reached without entering the pen.

The yards are raked off, all rubbish burned and the ground plowed up, then

lightly rolled. The yards being also an orchard, both poultry and trees are benefited. Provided the soil is well drained an orchard is the best location for a poultry yard. It affords shade during the hot weather and also provides much food in the form of insects and grubs.

One of the most important duties is preparing for the numerous broods of chicks which begin to arrive about the middle of March. For the setting hens we provide roomy nests where the hens may be confined for a few days and will not be disturbed by other fowls. It is well to try a hen with china eggs and if she is all right give her the eggs, preferably at night, without removing her from the nest. Dust hen and nest with insect powder whether you find any lice or not; prevention is the best policy.

Coops must be constructed for the chicks and if they are to be placed outside they should have a board bottom which can be removed and cleaned daily. It will not do to allow the chicks to run about in the early morning while the ground is damp; they are almost certain to be affected with gapes. The best method is to have a small run attached to each coop and confine the chicks to it. Early hatched chicks are best. They are fully developed when cold weather sets in and begin to lay in October or November, while late hatched chicks will usually not begin laying until February.

It is no easy task to care for a dozen or more broods of chicks and keeps us "hustling" continually. Fresh water must be provided freely, coops cleaned and the chicks fed several times a day. The first few days we feed bread crumbs

soaked in milk; millet seed and oatmeal. The second week the chicks are given ground grain of various kinds and as they grow older their diet is changed to cracked corn, wheat, table scraps, etc. It requires lots of time, labor and patience to look after a large lot of chicks; and these combined with a thorough knowledge of the needs of your fowls makes success reasonably certain.

NATHANIEL G. SAXTON.

Camp Dennison, Ohio.

CORRECTION.

In our report of Boston show in the March issue, the first prize pen of Columbian Wyandottes was credited to W. B. Richardson. This prize was won by R. G. Richardson, Dracutt, Mass.

Edward W. Staebler, of 36 Tremont street, Cleveland, Ohio, would like to have Dr. Chas. M. Atkinson, of Illinois, furnish his address, as this was not included in the communication he sent him.

In our report of Madison Square Garden Show in February issue, the fourth prize on S. C. White Leghorn cock should have been credited to H. J. Blanchard, Groton, N. Y., this being an error in the official catalogue.

Sweet potatoes, being sugary, are fattening.

CHASE, THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.



Special Machines For Special Purposes

In addition to the regular *Prairie State Incubators* we make special machines for special purposes; for ducks, geese, etc. Herein we illustrate the *Prairie State Special No. 288 Duck Machine*, built to meet the requirements

of those who raise ducks exclusively or on a large scale, and want a machine that is reliable. The same approved general principles of construction employed in our regular

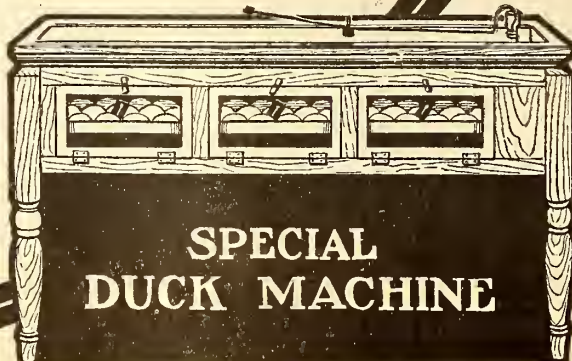
Prairie State Incubator

have been followed with slight modifications, especially in the matter of ventilation, to meet the requirements of duck eggs. The egg tray and egg chamber are deeper than in the regular hen-egg machines, and there is more room in the nursery. Has capacity for 288 duck eggs. May also

be used for hen eggs, with a capacity of 400 eggs.

The specialist will find our special machines for special purposes "just right." Write for illustrated catalogue describing our full line of machines and supplies. *Prairie State Incubator* is winner of 385 first prizes.

Prairie State Incubator Co.
Box 468, Homer City,
Pa.



**SPECIAL
DUCK MACHINE**

ARTIFICIAL HATCHING AND REARING OF DUCKS.

In hatching ducks artificially the incubator is operated about the same with duck eggs as with hen eggs. One hundred and three degrees is considered to be the proper temperature, but better allow the incubator to be a little under that degree than over it. They need a little more air than do the hen eggs in order that they may be dried down enough because of the shell being so thick and tough.

The air space will be a little larger on the fifteenth day than in the hen eggs, but as they begin to pip, they require a trifle more moisture. The eggs should be tested on the fourth and fifteenth days of incubation and be sure to place the thermometer between two fertile eggs. Better remove all unfertile eggs at the last test for they are liable to explode and bring serious trouble to both machine and attendant.

Duck eggs require a week longer to hatch than hen eggs and the young ducklings will break the shell thirty-six to forty-eight hours before they are ready to come out. A chick seldom amounts to anything if helped from the shell, but the duck is just the opposite; he will apparently thrive just as well when helped out of the shell as if he was left to help himself. In order to help a duckling from the shell, remove the top part of the shell and he will get out the rest of the way alone.

If he should happen to bleed leave him alone until he has absorbed the blood and never give any help unless you are positively sure he is unable to do so himself. Ducks require about the same amount of heat as chicks. Start the brooders the same as you would for chicks and lower the temperature to 90 degrees at the end of the first week, 87 degrees at the end of the second and all the way from 80 to 85 degrees at the end of the third week.

They may be removed and put into a cold house (i. e., one without artificial heat) at the end of the sixth week. This

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

may be made the same as a larger brooder house without any heat. They may be fed about the same as chicks, only more in the bulk; the first feed the first three days, may be composed of one part hard boiled eggs (unfertile eggs) and three parts bread, and after that equal parts wheat bran, corn meal and potatoes (boiled) with a little ground meat or scraps added at first. This food should be fed a little softer than for chicks and water should be handy so that the ducklings may take a drink with each mouthful; if not they are liable to choke, but do not allow them enough to swim in until they are feathered out (on the breast at least).

Milk should never be given to ducklings because they have a way of sticking themselves up with it. Ducklings should never be fed largely on corn meal because it is apt to cripple them in the legs.

Ducklings are usually marketed when about nine weeks old and at this age should dress from eight to ten pounds per pair. The time to dress ducklings is when they are partly feathered out. Do not allow the second crop of feathers to start, for it will not only cause delay in picking, but also reduce them in flesh.

MILO D. HAYNES.

Lisbon, N. Y.

LITTLE CHICKENS: THEIR CARE AND FEED.

When hatching day is drawing near do not be in too great a hurry to count the chicks. Let nature attend to the hatching process without interference. After the chicks are hatched 24 hours give them their first meal, which consists of rolled oats. I continue feeding this for about 2 months, giving them well baked Johnny cake for a change. The formula which has given me good results is as follows: 2 quarts bran, 2 quarts coarse cornmeal, 1 quart wheat middlings, 1 handful beef scraps, 1 handful of chick grit. I mix this up well with skim milk. Then I rub it into a crumbly mass, and then bake it for about 4 3/4 hours in a slow oven. Then I slowly begin to feed them cracked corn, increasing it as they get used

to it. I never feed them soft feed as it causes bowel trouble.

For coops I take barrels, putting tarred felt on the top to keep out the rain. I tie a long rope on the right foot of the cluck so that she can get away from the coop the distance I desire her to. After the chicks are 3 weeks old I separate those that I want for broilers from the rest and feed them a forcing food. When they get to weigh 2 pounds I sell them. A very important thing to remember is to get rid of the lice. Every 2 weeks I grease the chick's head with some heated lard. For a change I give them lettuce or some other green food. I never neglect to feed them at feeding time. When I go out to feed them they are all assembled at the gate waiting for me. I have my chicks very tame so that I can pick up any one of them and they will not struggle to get loose.

I think that every poultryman ought to keep this saying, "Cleanliness is next to godliness." I clean my coops out every morning, for if the droppings stay in, it makes it very damp and filthy which causes roup and other diseases. Be careful of the cat. I have lost many chickens that were killed by the cats. Do not trust her, for I think the cat is the chickens' greatest enemy.

Fullersburg, Ill. CHAS. H. WAGENER.

Editor Drevencstedt says that when diarrhoea is first discovered, in the majority of cases boiled rice and milk will effect a cure. But where stubborn or neglected cases are met with, no quicker, safer or better remedy than the Sun cholera mixture exists. This famous remedy can be procured at any drug store, whether in liquid or tablet form, full directions usually accompanying each bottle or box. One tablet in the morning and one in the evening is usually efficient. Ground nutmeg is another simple and powerful remedy, but the after effects are not always as satisfactory as with the Sun cholera mixture.

**Lasts longer and cleans better
Pratts Harness Soap.**

Made by Pratt Food Co., Phila. Over 30 years old.

"The Breed that Lays is the Breed that Pays."

PRIZE WINNING
SINGLE COMB
WHITE LEGHORNS

Exhibited at Madison Square Poultry Show, New York, and at the Coliseum, Chicago.

A GAIN we were prize winners at the 1905 Poultry Show in New York. At the Coliseum, Chicago, we were remarkably successful. On eight birds we won the following prizes in the hottest competition ever seen in the West: 1st and 5th Cock; 1st and 4th Cockerel; 2d and 5th Hen; First Pen. Special for best Cock; Special for best Cockerels. All of our prize winners were from our own stock. We shall have eggs for hatching for sale from these prize winning matings. If you wish to breed prize winning stock, correspond with us at once, and get prices of eggs for hatching from these special pens. These winnings should convince you that we have "quality."

Eggs from special mated pens of heavy egg producing strain, \$2 per 15; \$5 per 45; \$8 per 100; \$70 per 1000.

CHOICE BREEDING COCKERELS

We have for sale about 200 extra choice breeding Cockerels at very reasonable prices. These birds have particularly fine plumage, carriage and head points. Their ancestors for generations have won prizes in all the shows in the United States. On request we will mate up for the purchaser, trios or pens, which will produce the very best results. Ask for list of special matings. A postal card request is enough. If you need birds for breeding or eggs for hatching, write us at once for description and prices.

WHITE LEGHORN POULTRY YARDS CO.,

Box 525,

WATERVILLE, N. Y.

A BROWN LEGHORN MATTER.

On page 163 of February issue of the AMERICAN POULTRY JOURNAL under head of "What Wm. Ellery Bright is doing" appears a notice of the sale of Bright's 1st prize St. Louis Brown Leghorn Pullet, at \$100 and further it is inferred that she went to "old and well-known breeders, which not only pleased them but has won prizes for them."

Now the winning of prizes may mean anything from first to say sixth or seventh prize and it may interest Mr. Bright and others to learn just what place or prize this pullet won after leaving his hauds.

The first prize St. Louis pullet was bought by a Mr. Gable from Mr. Bright and later bought from Gable by Exmoor Farms, Lebanon, Pa.

This first prize St. Louis pullet was shown by Exmoor Farms at the Madison Square Garden Show under my name, and Exmoor Farm's seventh St. Louis Pullet was shown at the same time under the name of a Mr. Strunk.

Mr. Strunk won first with our 7th

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

St. Louis Pullet, while Bright's 1st St. Louis Pullet was placed 4th.

In the November *Reliable Poultry Journal*, Judge Burgott said, in his report on classes judged at St. Louis that the 1st prize St. Louis Brown Leghorn pullet was "the finest he ever laid his hands on."

This being true is it not reasonable to assume that our seventh St. Louis pullet which in New York won first defeating Bright's 1st St. Louis pullet by three places, must be the best pullet that Judge Burgott ever laid his hands and feet on (feet at St. Louis, hands at N. Y.) He should know as he judged Leghorns at both shows.

These are facts, weigh them and remember that both the 1st prize St. Louis pullet and the 1st prize N. Y. Pullet are now at Exmoor Farms, both of them being the finest pullets ever raised—only one is the finer by three points.

C. A. DUTTON,

Supt. Exmoor Farms, Lebanon, Pa.

EDITOR AMERICAN POULTRY JOURNAL:

Some one has discovered a great repetition between the old and new poultry papers. In this little world of ours everything repeats itself the same old way. But always new to the greater number today we are in need of advice. We turn to a recent number of our

poultry journal and we find the very thing we need. Would it be easier to go to the garret to a pile of old dusty papers? I should feel as though the bottom had fallen out of something if I was not expecting my bright, clean poultry paper every month. And now I am hoping to have a little talk with the friends of the journal. It is the small producers that ought to talk one with another. The scientific poultry men do not need these talks. Probably this will be the same old story. My point of view all comes on the Light Brahma and Pekin duck line, and I hope to learn much more on these two lines. My strong convictions are to keep to one breed of fowls. Select the one you really like the best. Then believe you have the best on earth, and each year try to go one better on your flock. Get acquainted with your chickens; learn their talk, and soon they will understand your language; never let them be afraid of you. Much is written on the value of bran as an egg producer. I am not much in love with soft food for the chickens, and if slow eating is to be desired you cannot have it in a meal of hot mash. I cannot feed it to my flock in any generous amount without having bowel trouble to contend with. And my pullets and cockerels will not stand it at all. I use one part bran, one of oats and one of unbolted corn meal. I have very good results. But my laying pullets do best on oats, cracked corn and a supper of shelled corn. They have ground bone, and screenings to scratch for, and some skimmed milk. My pullets will stand a much richer and fuller diet than the old hen. I heard a man talk at a mid-winter fair: "He said I feed to my flock equivalent to one teaspoonful of mixed grain in the morning; a tablespoonful of hot mash at noon, and a tablespoonful of shelled corn at night." My flock would look sideways at me on such a diet. A hen that is too fat won't lay. Neither will a lean, hungry one. It is the hen with a good appetite and a fairly full crop that fills the egg basket. Do we all understand that young chickens and ducks that have a good range need less care than those that are kept in close quarters. For the first few days I give bread and milk, rather dry, then rolled oats, dry, between the bread and milk feed. Soon I give a little cracked corn. Now and then I give a little of some kind of breakfast foods; it makes them happy. They get their own grit and meat diet and balance their own rations. Young chickens and ducks must be kept from roaming in the early morning till the grass is dry. I save the lawn cut grass—by drying quickly in the shade and packing in barrels. It keeps very good. In the winter I steep it and put it in the hot mash. I cannot tell its real value as food, but my hens eat it readily, and it has good filling up value. I see the microbes must move along to make room for the little fellow that has hit the angleworm. That is causing gapes in chickendom. Long ago I read to put so many drops of turpentine on a board, cover with a tight box, and put the chicken under. We did. At the regulation time we lifted the box. That chicken was cured of gapes, had gone where the "Woodbine Twineth" and no chicken has dared to gape on this ranch

Heaves, coughs, colds, quickly cured. **Pratts Heave Cure.**

Made by Pratt Food Co., Phila. Over 30 years old.

**HAPPIEST
HEN**

**ON
EARTH**

The
"Happiest Hen on Earth"

is the healthy hen—the hen that is not tortured and tormented all day and night by lice and mites, but can spend her time in a pleasant and profitable way, working for her board. The hen is not naturally a shirk—she likes to work, but she can't work and fight lice at the same time.

LEE'S LICE KILLER

sprinkled, painted or sprayed around the poultry house, and on the nests and roosts, quickly rids your hens and houses of lice, and helps your hens to do their work without worry or loss. No handling, dipping, greasing or dusting—*Lee's Lice Killer* kills the lice by contact and strong, penetrating vapor, which is sure death to lice and mites. Absolutely harmless to fowls. The laying hen lays more eggs; the setting hen brings off a better brood and the little chicks grow faster where's *Lee's Lice Killer* is used. Our 1905 Calendar and Egg-Record—a valuable book, full of poultry helps—sent free. Write for copy today.

GEO. H. LEE COMPANY,
Box 91, Omaha,
Nebraska

W

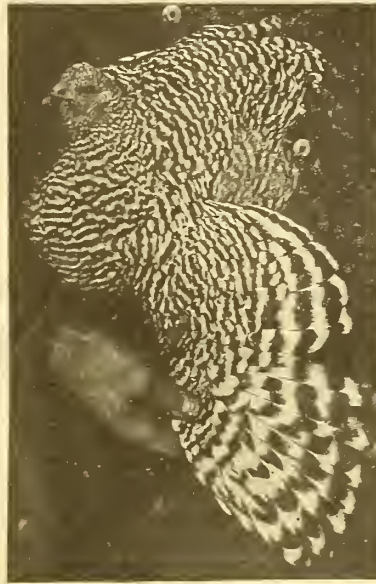
since. I have a piece of ground rich in worms. It was once an old graper. I delight to turn over the soil just to see my hens stuff themselves. Prove all things. Can the AMERICAN POULTRY JOURNAL tell how many women in this state has the full charge of poultry plants? It is a work they can do very well. Emerson says, "Genius is an enlarged capacity for work." That is what the poultry work calls for. A woman can't do that and be a member of the home club that runs around the neighborhood with shawls over their heads. Are there any women judges of poultry? Why not? With a few years study they could throw the glove right down to the masculine judges. Let some of our bright young women take up the work.

Yours for an up-to-date poultry journal,
Mrs. O. H. MACK.

Brodhead, Wis.

Editor AMERICAN POULTRY JOURNAL:
Dear Sir:—I notice in the March number of the AMERICAN POULTRY JOURNAL an article by Dr. O. G. Crawshaw, entitled "The care of the Fowl," to whom I would like to make a few remarks and ask a few questions through your journal. Nearly all poultrymen are, I think, convinced that it pays to give good care and attention to their fowl and also that the best results can not be obtained without a reasonable amount of time being spent in cleaning, regular feeding, watering etc., but I question if from point of profit, it is not possible to overdo the thing and whether all this extra fussiness (pardon the word) is at all necessary or desirable. I take five poultry papers and read them all, but I think giving fowls warm water twelve times a day is the limit of anything I have read or heard of so far. I would like to ask the doctor to give us more light on the subject of his poultry keeping, and would ask whether he is in it for pleasure or profit? If the latter, would he kindly inform us how many fowls one man can take care of and feed them six times a day and water from six to twelve times? Would not

his time be better employed in doing something else, say in keeping more hens, than in spending the greater part of his time hauging around the hen houses with a feed dish in one hand and a pail of warm water in the other? I think some people carry this matter of feeding and watering to the extreme and I do not believe it is any more necessary to feed a hen five or six times a day than it is for us to eat that number of times, in point of fact



Barred Rock pullet in first prize pen, Hartford, Conn. Owned by Chapman & McQuillande, West Hartford, Conn.

a man can't do all that and do anything else, he is tied hand and foot to the grain house and the hot water kettle. Personally I feed my hens but twice a day although I think three times is all right. I feed no wet mash at all, give grains in litter at between seven and eight o'clock in the morning and between three and four in the afternoon, and although I have followed this system, if such it might be called, for two years, I have not yet seen any valid reasons for changing to a more elaborate

method. I give water but twice a day and not warm at that and have no plastered houses, nothing but single board and shingled houses, yet my flock of seventy S. C. R. I. Reds have averaged better than forty per cent. Have been doing so since last November and are doing it today. I question, can a man who pampers his stock, keeps them in warm quarters, gives warm water and all that sort of thing have healthy, hardy stock to breed from?

One other thing which the doctor mentions which I would like to inquire into, is what he means in speaking of mixing the daily mash by using some good Poultry Food? Are we to understand that he uses some of these prepared foods which are sold on the market for the purpose of forcing fowls to lay?

I notice also in the article where the doctor makes that remark about sailing to riches on flowery beds of ease, now I should almost think that a person who toils over fowls as apparently does the doctor would sooner or later greatly appreciate a flowery bed of ease, so to speak, even if his fowls haven't made him profit enough to afford one. I also think a poultryman needs to be on the jump, etc., and have no doubt ambition is a good thing, but misdirected ambition or jumping up and down in the same place never got a person ahead much yet. To sum it all up, isn't there other methods of taking care of fowls which will give as good results with less labor, less making a slave of oneself, less living in the henhouse, as I may say, than the method described, to which I have referred. Let's hear from the doctor and others. ALVIN L. DUDLEY.

Kendal Green, Mass.

Writing in the *Country Gentleman*, Prof. Samuel Cushman says: "It is useless to attempt to raise geese successfully if they are afraid of the attendant. They should be treated with kindness, and have full confidence in their keeper. A nervous, quick-tempered, excitable, rough person may keep them so disturbed that they cannot thrive.

Endorsed by veterinarians
Pratts Distemper Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.
See ad on page 368.

9 big strong chicks for every 10 eggs set! This is the record from 1000 eggs.

• **50 per cent. more chicks in actual results** reported from the Atlantic to the Rockies and from the Lakes to Florida. No two under same atmospheric conditions.

NOT A DROP OF MOISTURE IN ANY HATCH.

As poultrymen appreciate the fact that it's wrong and contrary to every known law of Nature to push a tray full of eggs into an Incubator beneath a tank, or pipes, or radiator glimmering with a dry heat that shrivels and dries the life out of an egg, they buy The New Method. Our factory is running day and night to fill orders for New Method Incubators, Brooders, Poultry and Chick Food.

To those who desire to get away from the failings of the old fashioned Incubator with its uncertainty and guesswork, we will send catalogue for two-cent stamp that will put them in touch with **greater possibilities** in Poultry Culture and outline our **three months' plan of doing business.** Stop drying eggs instead of hatching. **BUY A NEW METHOD.**

The New Method Incubator Co., Box 32 Morrow, O.



The New Method Incubator.
A Record Unparalleled?

OUR FRONTISPIECE.

A Duston White Wyandotte Prize Winner, and How Mr. Duston was Induced to Adopt White Wyandottes.

The beautiful frontispiece in our journal this month is a reproduction of a Boston first-prize White Wyandotte winning male, bred and owned by Arthur G. Duston, of South Framingham, Mass. This class was judged by one of the most prominent breeders and judges of this variety in the East, and the bird was pronounced one of the most symmetrical and highly finished cockerels that had ever been shown.

Mr. Duston was one of the very first to appreciate the splendid qualities of the White Wyandotte. This breed was admitted to the standard in 1888, and for a short time had quite a boom. Owing to many difficulties surrounding the breeding of them, the interest in them lapsed.

In 1892, Mr. Duston having become interested in the practical side of the poultry industry, took up several varieties, among them the White Wyandotte, and without prejudice to any of the other varieties, and no predisposition toward the White Wyandotte, gave them a very careful trial on his place as layers and market stock.

During this time, he catered to the best trade in the city of Boston, and during the course of the trial not only became convinced that the White Wyandotte would lay more eggs than any of the American or Asiatic varieties, but that as broilers and roasters they proved the very choicest that he could produce, bringing him the highest market prices, and maturing in the shortest possible time. During the test with two pens, consisting of two hundred and twenty chickens, they reached an average of two pounds, some running considerably over this amount, at eight weeks.

As is usually the case with those who have a love for the beautiful, and once get into the breeding of stock for utility purposes, it was not long before he became interested in the fancy side, making several showings with more or less success, and later going into the strongest competition that could be shown in Boston and New York, winning there what was thought a great deal more than his share of the prizes.

Since that time, he has occupied the place at the very head and front of the White Wyandotte enthusiasts and breeders, continually with his pen and his persistent advertising helping to further the interests of the breed. As Judge Hewes said, "You have undoubtedly done more for the White Wyandotte than any other man, or perhaps five men, in America. I say this without flattery, for it is a fact."

He has shipped during the past years, and in fact, the past few months, birds to New Zealand, Australia, Buenos Ayres, Germany, with orders for stock and eggs from England, and stock to Yokohama. During the time in which he has been a specialist with the White Wyandottes, his birds have been in the winnings in all of the largest as well as the smaller shows throughout the United States.

No small number of the largest and

best breeders today owe their success in the show room and a successful business to the stock bought from him direct, or from others breeding his strain. We think we are justified in saying that this strain of White Wyandottes is one of the most famous throughout the land. During the summer of 1904, Mr. Duston left his small farm in Marlboro, where he started his poultry industry, and moved to Ashland, Mass. (with South Framingham post-office address), where he has located on a large farm, and not only intends to push the White Wyandotte even more persistently than in the past, but will have the added advantage of being with his birds, and personally seeing to the raising and care of them, whereas in Marlboro a portion of his time was devoted to other business. This, with his added interest in breeding thorough-bred Guernsey cows, and attending to the farming of his acres, will occupy his whole time.

He writes that he has done the most

DEATH OF MISS CROAD.

"CROAD.—March 8, at 10, Ambrose Place, Worthing, Maria Elizabeth, daughter of the late Captain George Henry Croad, 4th Light Dragoons, aged seventy-nine." This obituary notice will, we are sure, be perused with deep regret by every reader of *Poultry*. To the late Miss Croad, the Langshan fowl owed not only its prosperity, but its very existence, and during the many vicissitudes through which that excellent breed has passed it had not a more staunch supporter than the deceased lady. Miss Croad's connection with the Fancy commenced on February 14, 1872, when the first Langshan arrived at Major Croad's residence; but it was not until the death of Major Croad that she came prominently before the poultry world. The Langshan as a pure breed had been assailed, and Miss Croad commenced a gallant defense of the breed, advancing such proofs of its purity that

Attend To Your Renewal.

Many thousand subscriptions to the AMERICAN POULTRY JOURNAL expire this month, and we would ask as a favor that the matter be attended to at the very earliest date possible. Sometimes our subscribers wait to be personally notified by mail of the date of expiration. With such heavy work as falls upon our subscription department at this time of the year, it is impossible for us to write each one, so we would thank our patrons to attend to their renewals promptly without waiting for any special notification.

Subscription offers will be seen on various pages of the Journal. Send in two subscriptions at 50c each and we give your own FREE.

We cut off at date of expiration. The date on the wrapper of your paper will show to what time you are paid. "Mar. 05.," for instance, means that you are paid to March, 1905.

As the policy of the AMERICAN POULTRY JOURNAL is to have all subscriptions payable in advance, we would be pleased to hear from each one in good time, so that there may be no disappointment caused by being dropped from our list. Send your subscription AT ONCE.

American Poultry Journal Pub. Co.

325 Dearborn St., Chicago, Ill.

successful business this year, and the most satisfactory with himself and customers, that he has ever done before, and looks forward to another year, with his increased facilities for caring for his stock and orders, to growing his business from \$15,000 a year to not less than \$20,000; and we believe that this volume is approached by very few specialists.

While the personality of the man has unquestionably had a good deal to do with his success, this could not have been obtained only by the White Wyandotte proving to have an unquestioned utility value; and White Wyandotte breeders believe if the breeders in the country but worked together to maintain the shape and weights the standard calls for, that it will for many years be what they claim, the most popular fowl in America.

Barley is fattening, and so is buckwheat.

defied contention, and clearly showing that the black Langshan, as had been asserted, was in no way allied to the black Cochin. Despite this, however, the breed met with opposition in several quarters, and for many years the original type was scarcely ever seen in a show pen, a bird that in scarcely any respect resembled the original fowl being bred and shown under the appellation of Langshan. And in late years it was Miss Croad's desire to bring these facts before the notice of fanciers. With this object she wrote "The Langshan Fowl," a work that ran through several editions; and it is pleasing to know that before her death she saw the breed for which she had done so much to popularize again coming rapidly to the fore, and the club which has lately been formed in its interests a success, and on the right road to a still greater one. —*Poultry*, London, Eng.

Overfat is a diseased condition.

WINNERS IN SUBSCRIPTION CONTEST.

Following are the names of our agents who won the principal prizes in our great contest which closed March 20:

PRIZE.

1—Wm. Weinrich, Illinois.....	285
2—Wm. F. Scholz, Iowa.....	243
3—Jas. Vigrass, Pennsylvania.....	205
4—Alvin Metz, New York.....	184
5—Elwood B. Krause, Pennsylvania.....	166
6—Perry Ludden, New York.....	165
7—W. N. Smith, Iowa.....	155
8—W. N. Graham, Illinois.....	151
9—Winter Rose, Ohio.....	150
10—D. D. Whitaker, Ohio.....	141
11—E. F. Sternberg, New York.....	140
12—S. J. Schelly, Canada.....	134
13—Chas. E. Firmau, New York.....	131
14—Ira Sitterly, New York.....	121
15—Jas. Chambers, Michigan.....	114
16—J. F. Anderson, Arkansas.....	110
17—E. S. Long, Pennsylvania.....	106
18—F. M. Malone, Indiana.....	104
19—D. M. Zile, Ohio.....	102
20—W. A. Keown, Kentucky.....	102
21—J. H. Farris, Missouri.....	100
22—Eph. Bolin, Illinois.....	81
23—Oswald Woodall, Canada.....	72
24—Cecil Day, Montana.....	66
25—S. W. Smith, So. Carolina.....	64
26—J. T. Smith, Pennsylvania.....	61
27—S. W. Whitford, So. Dakota.....	61
28—Mrs. J. W. N. Brown, W. Va....	60
29—Edw. Coppock, Maine.....	55
30—J. G. Curtis, No. Dakota.....	55
31—Frank H. Beetem, Pennsylvania.....	54
32—L. D. Cutter, Minnesota.....	53
33—E. W. Egbert, Wisconsin.....	52
34—W. E. Poorman, Pennsylvania.....	51
35—H. A. Wood, Illinois.....	50
36—H. E. Stauffer, Ohio.....	49
37—J. R. Hope, Canada.....	49
38—Henry Waite, Canada.....	48
39—A. W. Prather, Tennessee.....	45
40—Walter Eckman, Indiana.....	45
41—James L. Hopper, New York.....	43
42—Henry Oehler, Ohio.....	43
43—T. F. Moore, Ohio.....	41
44—W. H. Allsbrook, Indiana.....	41
45—Jas. F. Daugherty, Illinois.....	40
46—Dr. J. C. Blinn, Colorado.....	39
47—J. F. Grosch, Ohio.....	39
48—Parkin Scott, Virginia.....	39
49—Mrs. H. Shrader, Kansas.....	39
50—Won by four.....	36

SPECIAL PRIZES—MARCH 8.

Winter Rose.....	100
Elwood B. Krause.....	100

SPECIAL PRIZE—MARCH 13.

Ira Sitterly.....	52
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Great interest has been taken in this contest from beginning to end, and we congratulate the winners upon their success. We wish to heartily thank all for the interest they have taken in AMERICAN POULTRY JOURNAL and their good work for it. There are agents who did creditable work, but who did not procure quite enough subscriptions to win the big prizes, but all of them are entitled to the special premiums which we offered, and those whose names are not included in the above list are requested to make their selection from the premium list and let us know their choice of the articles to which their list of subscribers entitles them. We will then forward the premiums promptly. Should any agents prefer, instead of choosing premiums, to give free subscription to their friends, send in their names at the rate of one

name for every six subscriptions. Or if we do not hear from you within two weeks, we will advance your own subscription at the same rate. We would be pleased to have all our old agents continue taking subscriptions with the same commission, but kindly state in your letters that you are an old agent.

IMPORTANT ANNOUNCEMENT.

John M. Soutag, of St. Charles, Ill., proprietor of the Perpetual Hen Incubator Co. business, has sold the entire business, including all its rights, and good will, and agencies to Robt. N. Oliphant, of Trenton, N. J. This important sale has been perfected just as we were going to press and only in time to enable us to make this announcement.

The half page ad of the Perpetual Hen Incubator Co. on another page of this issue bears the old address of St. Charles, Ill., and for the next 30 days all inquiries, orders or letters sent to St. Charles will receive prompt and careful attention. In the meantime the business of manufacturing the Perpetual Hen Incubator and Brooders will be moved to Trenton, N. J.

Mr. Oliphant, the new owner, is a man of experience in incubator manufacturing, possessed of ample means, energetic and enterprising, and will still further enlarge and broaden the scope of this already successful business. Many of our readers have watched with interest the rise of Mr. Soutag and the success that has come to him through years of experience with poultry and hard work in the inventing and perfecting of his splendid machines that have proved so great a success in all parts of the country. Mr. Soutag now retires with the satisfaction of having well and faithfully performed his work, and on this splendid foundation Mr. Oliphant now takes the business, and will carry it on to still further success, enlarging and improving the business in every way that intelligent work, ample capital, persistent and liberal advertising will accomplish, and we welcome the new proprietor into the ranks of Incubator Manufacturers.

On pages 222 and 223 of the March issue appeared two groups of Wyandottes, belonging to "The Pines," Paducah, Ky. By an oversight we did not put the proper description below these halftones. The description under the cut on page 222 should have read 1—1st prize Silver Wyandotte cock, Chicago, 1905. 2—3d prize Silver Wyandotte cockerel, Chicago, 1905. 3—3d and 4th prize Silver Wyandotte hens, Chicago, 1905. 4—4th prize pullet, Chicago, 1905. 5—2d prize pullet, Chicago, 1905. 6—4th prize Silver Wyandotte cock, Chicago, 1905.

Under the one on page 223 should have read: 1—3d prize Golden Wyandotte cockerel, Chicago, 1905. 2—1st prize Golden Wyandotte pullet, Madison Square Garden, N. Y., 1904. 3—2d prize Golden Wyandotte hen, Chicago, 1905. 4—1st prize Golden Wyandotte cockerel, Madison Square Garden, N. Y., 1904.

E. A. Parks, Syracuse, N. Y., breeder of Partridge Wyandottes, is selling eggs from his World's Fair winners. Any of our readers who are looking for eggs or stock of this variety should correspond with him.

THE UP-TO-DATE BICYCLE.

The 1905 model bicycles, with coaster-brakes and puncture-proof tires, would have been considered miracles of mechanical achievement only a few decades ago, and yet they can be bought today for only a fraction of the prices then prevailing. The Mead Cycle Company, of Chicago, is offering the finest of this year's models at from \$10 to \$24, and the models of 1903 and 1904 at from \$7 to \$12. Their factory clearing sale is attracting much attention among wheelmen, and their special catalogue, which they mail free, is worthy of careful study.

The Millville Poultry Farm Co., of Millville, N. J., have sent for our inspection a copy of their mating list, and for completeness it would be hard to find its equal. This contains a complete description of mating yards, names of prize winners that head the yards, prices of eggs and every possible bit of information necessary to buyers when sending an order. On another page of this issue is a splendid illustration of the three first prize winners at St. Louis from the yards of the Millville Poultry Farm, including first Buff Plymouth Rock cockerel, first White Plymouth Rock cock and first White Wyandotte cockerel. These winnings, secured at the World's Fair, 1904, in such strong competition, is certainly a record to be proud of. With this record back of them buyers can feel perfectly free to send in an order to these people and with confidence of securing eggs that will breed true and develop into future prize winners.

Nate K. Cornwall, of Thamesville, Ont., Canada, has sent us one of his catalogues and mating lists and we cannot pass this by without a notice regarding its attractive features and clever wording. The contents of the catalogue describes Buff Leghornology and then proceeds to give a "cackle" about "Canada's Best." His announcement starts out with this heading, "The Object of This Cackle-ogue," which is, we believe to be as unique and original a heading as we have ever seen in a poultry catalogue. Following this are "Whispers and Winks from the Roost." The whole catalogue is beautifully printed and illustrated and he closes by saying "Honors, Like Chickens, Generally Come Home to Roost," showing an illustration of the home of "Canada's Best" S. C. Buff Leghorns, where he claims that more prize winning male birds are bred than on any other spot on the earth.

H. W. Buckbee, of Rockford, Ill., has sent us a copy of his 1905 Seed and Plant Guide. This is Mr. Buckbee's twenty-ninth year in the seed business and he has been a yearly visitor to readers of AMERICAN POULTRY JOURNAL for a great many years. There is nothing that so increases the interest in a poultry yard, improving its appearance and combining additional profit with poultry, as a judicious selection of seeds and plants, and we advise more of our readers to send to Mr. Buckbee for a copy of this catalogue and combine with their poultry business more of this attractive feature.

Any one interested in White Leghorns should write Mr. H. C. Hauser, 633 West Sixty-second street, Chicago. Mr. Hauser's birds are the stay-white kind that all prominent breeders are looking for. He guarantees all his eggs to be true to name and from the same stock he breeds from himself. No one should ask for anything better. Mr. Hauser's Star Poultry Farm is located near the beautiful city of La Porte, Ind., consisting of eighty acres, and the best adapted place for poultry in La Porte county. All his birds are scored and nothing is bred scoring below 92 points.

S. A. Hummel, of Freeport, Ill., has sent us his fourteenth annual circular, containing price list of eggs and his famous lice powder. Mr. Hummel is already well known to readers of AMERICAN POULTRY JOURNAL, and he is now well fixed to furnish shipments of eggs from twenty-seven varieties of fowls at reasonable prices. This circular is nicely illustrated with all the different breeds that he handles and should be in the hands of every reader of AMERICAN POULTRY JOURNAL.

We have secured from the secretary, Ross C. H. Hallock, St. Louis, Mo., the new catalogue of the National White Wyandotte Club for 1905. This, as usual, is a splendid example of good printed matter and illustrations, and an evidence of the progressiveness of White Wyandotte breeders.

CHAS. E. HOMPSON & Co.
LYNNFIELD CENTER, MASS.
See ad on page 348.

Alfalfa Poultry Feed
Best feed for eggs—a "winner." Send today for free sample and a copy of "Poultry Pointers."
A. Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.

A VISIT TO THE HEADQUARTERS AND HOME

Office of the Cyphers Incubator Co., Buffalo, N. Y., With a Description of its Branch Offices. A Record of Accomplishments in the Incubator Business. Description of a Record-breaking Month of 26 Working Days in the Factory of the Cyphers Incubator Co.—By the Editor.

There is something inspiring in the record of men who do things—big things, whether it be running a railroad system, leading a victorious army or building incubators. In the accomplishing of all great endeavors one is apt to overlook the industry, force of will power, ability to overcome obstacles and to hold together as a unit conflicting forces which are all vitally essential to accomplishing results. The finished products of man's brain and energy only are considered by the masses. Great men and great events apparently appear suddenly. The preliminary toil and foundation building of any great work, the thought and labor necessary to bring it to perfection, is usually a record in which the public has no interest until success comes. Then is when the lime-light is thrown strong. The men who are responsible for great successes stand in the glare of the light. Their sayings and doings are semi-public property. They stand as object lessons for others. Their record is an incentive to bring about the best efforts that go to build power and influence in any line of endeavor.

The prophets who predicted five years ago that the incubator business had reached its limit would be out of a job for future prophesying if they could follow your editor in his visit to the home plant of the Cyphers Incubator Co. in Buffalo.

The plant as it stands today is a realization of the plans of its founders, in its complete and well nigh perfect state. This might be considered by the officers of the company as false praise, for perfect as it seems, there are plans contemplated that when carried out will make today's efforts seem as only a beginning.

The controlling force of this immense establishment is Grant M. Curtis, president and manager. Mr. Curtis is a man who has accomplished results, a man of positive and forceful character, who is quick to see the vital points of any situation and work on a straight line to accomplish a purpose; a past master in the art of imparting to others his convictions and intuitions, and with ability to support his ideas with tongue or pen. He is ably assisted by Geo. E. Littlefield, secretary and superintendent of manufactures; Robert H. Essex, assistant secretary, and Geo. M. Stowe, treasurer, and a long list of heads of departments and branch office managers whose portraits appear on another page.

Mr. Curtis, the president, ascribes the success of the business to the faithful, loyal and intelligent work of the many persons that are required to carry on the work. It is interesting then to know the rule of action that he uses in the selection of helpers. Three important qualifications in his judgment are essential in the selection of the working force. First, reliability, which embraces honesty; second, loyalty; third, ability.

and their importance is considered in this order.

The business of the Cyphers Incubator Company is widely scattered, and it requires perfect system to keep daily in touch with everything that pertains to the business in the home office, the principal branches, and with the thousands of agents scattered all over the country. The main office and factory is located in Buffalo. Branch offices in New York City, Boston, Chicago, Kansas City and San Francisco. In New York City at 21-23 Barclay street, the Cyphers Incubator Company occupies a 32x120 corner store, with basement and sub-basement for storage and shipping. At 26-30 Union street, Boston, 5 stories and basement, using the entire building. At 310

trial branch office was opened in two small rooms in Boston, at No. 34 Merchants Row. More space was leased from time to time, until on November 1, 1904, the Boston Branch House was moved to 26-30 Union Street where it now occupies a five-story and basement building, with an attractive store running through from Union street to Friend.

In the autumn of 1900 the company bought out a small poultry-supply business in New York City and opened branch offices and a retail store at No. 8 Park Place. Two years later, on account of lack of room, this branch house was moved to 21-23 Barclay street, within two blocks of the postoffice, where it now occupies a large corner store, a double basement and sub-basement, with warehouse facilities unusual for so central a location.

December 1, 1900, small offices were leased on the sixth floor of the Como Building, 323, 325 Dearborn Street, Chicago, and a western branch opened. The company's Chicago Branch now occupies a five-story and basement building



THE CYPHERS INCUBATOR COMPANY TIN SHOP.

In this shop are made all the lamps and heaters used with the Cyphers Incubators, all the heaters used in their brooders, in addition to numerous other articles they sell, such as food hoppers, drinking fountains, etc., etc. There are twenty-five men working in this shop alone—one of the best equipped tin shops in the country—most of the work being done by machinery.

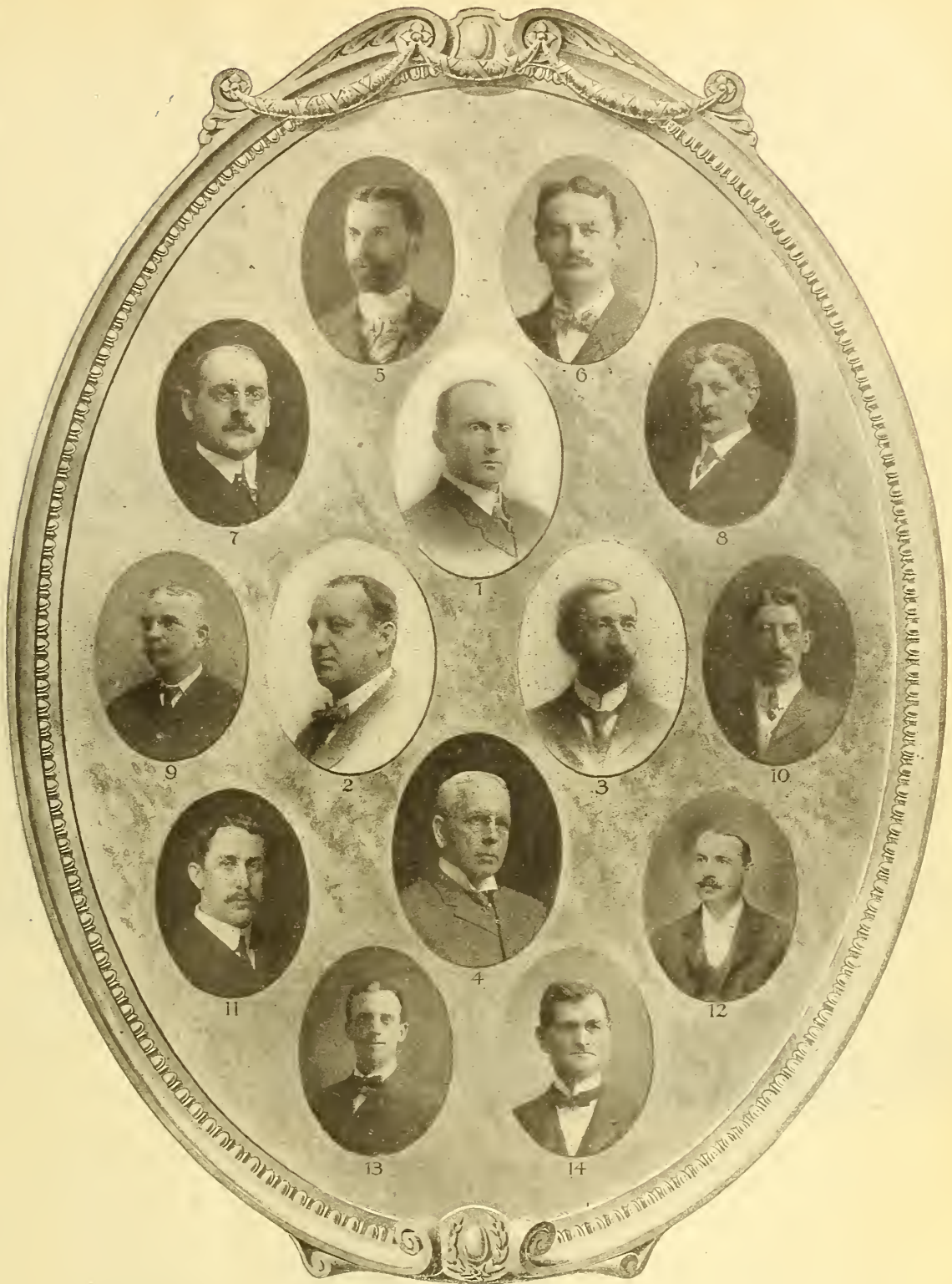
Fifth Ave., Chicago, a 26x120 ft. building, 5 stories and basement, using the entire building. At Kansas City 10,000 square feet of mill building devoted to branch business. At 329 Sansome street, San Francisco, a store floor 30x66 ft., basement 30x108, and second floor 30x66 ft. At each place, except Buffalo, they conduct regular retail stores.

During the five and a half years since May 1, 1899, the growth of the company's business has been gratifying indeed. On the date named the company had no branch houses and practically no agents. Late in the fall of 1899 a

at 310 Fifth Avenue, that city, with an attractive store and ample facilities for conducting the business of this branch under one roof.

October 1, 1904, in response to a rapidly-growing demand for the company's goods throughout Europe, especially in Great Britain and Ireland, European headquarters were opened in London, at 121-123 Finsbury Pavement, and a branch factory was established at Poole, Dorsetshire, England.

During February, 1903, No. 120 Church Street, Buffalo, a building 45x90 feet in dimensions and four stories in



CYPHERS COMPANY WORKERS.

1—Grant M. Curtis, President. 2—Geo. E. Littlefield, Secretary and Superintendent of Manufacturers. 3—Robt. H. Essex, Assistant Secretary, and Head of Publication Department. 4—Geo. M. Stowe, Treasurer. 5—C. A. Damon, Manager Chicago Branch. 6—F. H. Dillingham, Manager New York Branch. 7—W. W. Sullivan, Head of Wholesale and Agency Department. 8—J. B. Ludden, Head of Retail Department. 9—H. E. Moss, First Vice-President, and Manager Kansas City Branch. 10—W. A. True, Managing Director European Headquarters. 11—Dr. P. T. Woods, Chief of Cyphers Company Bureau of Information. 12—Randolph Meech, Second Vice-President, and Resident Manager Branch Factory, Poole, Dorsetshire, England. 13—W. E. Draper, Manager San Francisco Branch. 14—J. H. Curtiss, Manager Boston Branch.

height, was leased, and the Cyphers Company's Poultry Food and Clover Mill installed there. Within 18 months the business of the company in these lines had largely outgrown the capacity of this mill, and in October of last year a large milling plant, having 30,000 feet of floor space, and located on the Belt Line, at Kansas City, Mo., with unexcelled switching and shipping facilities, was leased for a long term of years. Here the company is now manufacturing poultry foods, clover and alfalfa products and conducting its Kansas City Branch House, where a complete stock of goods is carried, to supply on short notice the retail trade tributary to this latest western metropolis.

December 1, 1904, branch offices and a retail store were opened at 329 Sansome St., San Francisco, California,

the principal trade centers of nearly every foreign country on the globe where poultry is raised for market. Catalogues descriptive of the Cyphers Incubator Company's line of manufactures are now published in seven different languages.

The doubling and quadrupling of the company's business from year to year, since 1899, has called for a continual increase of factory and warehouse space. At Wayland, May 1, 1899, this company occupied about twenty-one thousand feet of floor space. At the present time its Buffalo factory, mill and warehouse comprise 143,200 square feet of space, while the grand total of space occupied in Buffalo, at the six branches and in the branch factory at Poole, England, exceeds 304,000 square feet—more than fourteen times the space occupied when the present company was organized and first incorporated.

During our visit to the Buffalo offices we had an opportunity to inspect the factory, and from personal inspection still further confirm our idea of the magnitude and importance of the great plant. The following statement of business from Feb. 14 to March 17, 1905, consisting of 26 working days, done by this company, is certainly a great record. During this time there were manufactured 3,258 incubators, and 2,652 brooders, besides thousands of other appliances that go to suit the needs of the users of incubators and brooders. This record will show that one incubator was turned out every 4 and 4-5 minutes, or an average of 126 complete machines during each ten-hour work day. The record day for February was 146 incubators in ten hours. The daily output of brooders is now 102 per ten hours or a complete brooder every 5 and 4-5 minutes.

The work can be followed in all its details from the lumber and dry kilns through every stage and process of the manufacture of these articles. The work is carried on in a systematic manner on every floor and in every room, every inch of space utilized, until the finished product arrives at the shipping room. There are three dry kilns with a capacity of from 35,000 to 50,000 feet each, equaling 120,000 feet every four or five days.

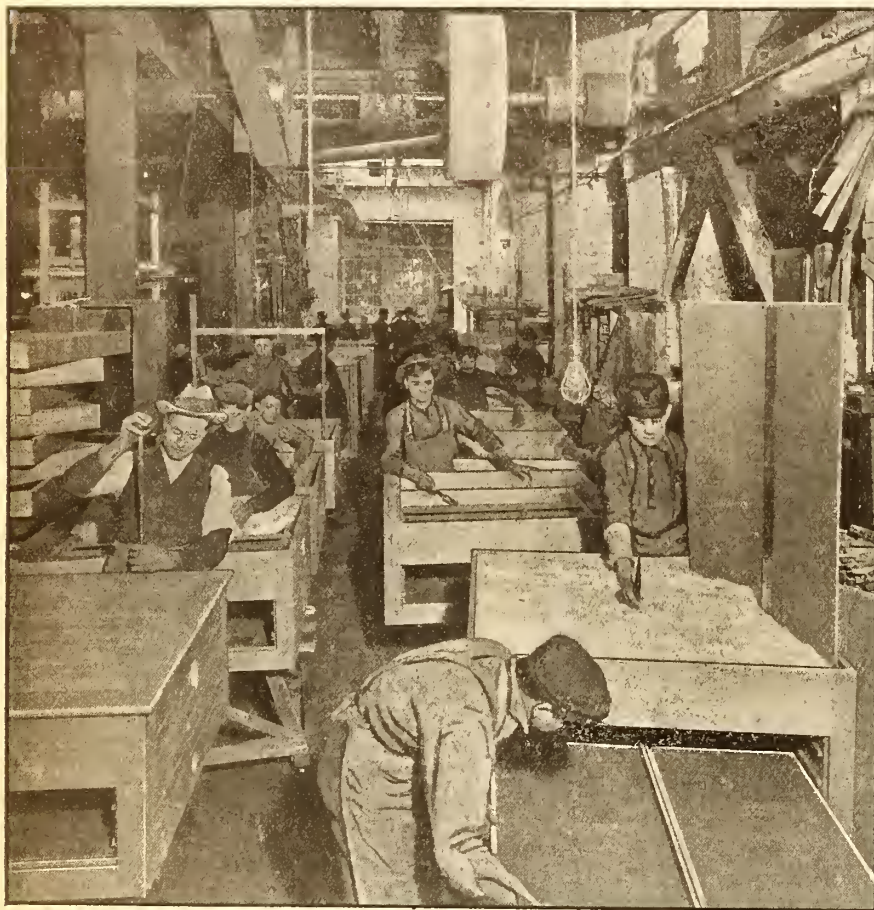
During these 26 working days were manufactured 11,821 separate and complete articles, including self feeders, drinking fountains, egg testers, incubators lamps, etc., in addition to incubators, poultry foods and alfalfa products.

The floor space occupied by the company, including its branches, is 304,000 square feet, a total of about 7 acres. At the Kansas City mill, the center of the oldest grain market, they have 30,000 square feet of floor space, use 9 electric motors, ranging from 2½ to 7 horse power each. The total capacity of this mill is 120,000 pounds of poultry foods equaling 60 tons, or 4 carloads per day, and 30,000 pounds of short cut meal and shredded alfalfa; the biggest and best equipped mill in the country, operated solely for the manufacture of poultry foods. There is no manufacture of breakfast foods or stock foods, included in these figures, but the whole of the grain goes into the poultry foods in absolutely pure shape, using no refuse nor sweepings. The motto of the company, "Quality first, the price as low as we can make it."

On one single day of last month there were 24 cars of this food en route from Kansas City mills.

The general business of the company is done through the medium of over 7,000 dealers and its six branch houses, enabling customers to get the goods when they want them and where they want them, and save freight over long distances, and having the advantage also of buying after personal inspection, the branch houses stretching from ocean to ocean from New York and Boston to San Francisco, the inland sections being attended to by the Kansas City, Buffalo and Chicago houses. The foreign trade is done through their London branch and 33 agents throughout the world.

A very important part of an incubator business is the catalogue, as upon this largely depends the sales of the



A CORNER IN CYPHERS INCUBATOR FACTORY ASSEMBLING ROOM.

The separate parts of the incubators enter this department at the farthest end, and from that point each man has his special work to do. The finishing touches are given by filling the double walls and the top with cotton (as shown on the right and left of picture) by placing the Cyphers split diaphragm in position (on the right) and by screwing down the top (on the left), when the machines are sent forward to the paint room.

with the object of supplying to better advantage a large trade westward of the Rocky Mountains, and developing the company's business to still greater proportions in a poultry-growing section that is second to none in the Union.

Up to May 1, 1899, the Cyphers Incubator Company had practically no agents. At that time it had no agency system. Now it has responsible, authorized agents in nearly every city in the United States and Canada of twenty thousand population and over, firms regularly in business who carry this company's good in stock. Furthermore, the company is now represented in most of

Those who, during the past five years, have contributed their best efforts towards developing the business of Cyphers' success and can be relied on to magnitude, feel a just pride in the company's success and can be relied on to keep its line of manufactures in the front rank. They ask no greater favor in this direction than to be judged by their works.

The principal ambition of its officers and co-workers is: The manufacture of a complete line of the best goods for poultrymen at the lowest prices consistent with such quality as will meet the requirements.

products. The Cyphers Incubator catalogue is one that can be compared favorably with the catalogues in any other line of business, and in size, quality of paper, illustration and descriptive matter are very seldom equaled anywhere. The main catalogue put out this season contains 228 pages. They also issue a 104 page catalogue for the foreign trade printed in seven different languages, a 40 page poultry supply catalogue, and in addition to these numerous other small catalogues. The unprecedented demand that has existed the present season for goods of this company's manufacture has been gratifying indeed. The company has been fairly "swamped" with orders, but the result has been the making of a new world's record in the manufacture of these articles. To do this work requires a small army, and the Cyphers Incubator

racy in keeping the records of the factory, the branch houses, and the business of its agents all over the world.

The machine shop is a very busy place in which are made the dies and tools, which enter so large in the manufacture of the metal parts of the machines, and which contribute to the perfect accuracy, economy and completeness of all the output of this factory; thus enabling the best type of machine to be sold at a low price.

The tin shop is one of the most complete in any manufacturing establishment. Here the most perfect and up-to-date machines for the rapid turning out of all the galvanized iron that is used in the construction of drinking fountains, incubator lamps, feeders, egg testers, etc., doing away with hand work, and as a result turning out thousands of these appliances at a minimum cost

on of the name plate in the shipping room.

In every department it seems to be the endeavor of those in charge to continually improve the process of manufacturing, devise new labor saving inventions to perfect and make accurate every detail, so when the finished product leaves the factory, the machine can be easily operated with success by anyone even though an incubator is an entirely new proposition to them. The illustrations especially made for AMERICAN POULTRY JOURNAL were selected as scenes from some of the busiest and most interesting parts of the factory.

All this and more we saw in the factory of the Cyphers Incubator Co. The limits of this article will not permit more detailed description. This is a partial record of what the Cyphers Incubator Company has accomplished. The world moves fast, and in a year from this date this record will undoubtedly be simply a basis of comparison with still greater accomplishments. To those interested in the poultry business it must be very apparent that the influence of incubator manufacturing on poultry business cannot be fully estimated. The constant advertising of incubators, the sending out over all the world of thousands of catalogues keeps continually alive and ever fresh the great value and corresponding profit in the poultry business.

Every year thousands of incubators are made and used, thus constantly adding to the volume of the poultry business of the country, and every year adds thousands of interested poultrymen to the ranks already well filled, thus establishing and continuing the poultry industry as the largest and most valuable industry in the country. The poultry business is larger than any other live stock, than any cereal crop, larger than the earnings of railroads and larger than the output of mines.

With these facts taken into consideration, it is clearly to be seen where the field is found for the sale of the products of the Cyphers Incubator Company.



CRATING CYPHERS INCUBATOR COMPANY'S STYLE A OUTDOOR BROODERS.

In the foreground appear the brooders ready for shipment; in the background they appear standing on end to dry, having just been painted. By actual count there were 258 brooders in this room, all of which were crated and shipped in two days, in addition to a number of other styles. A continual stream of brooders is passing through this room each day at this season.

Company now employ at its factory, home offices, mill, laboratory and branch houses more than 380 persons.

While the capacity of the factory is great, and the estimate for the season's business carefully made, they were far behind their orders, and on Feb. 27th they began running their entire factory nights, thus increasing the output nearly 22½ per cent. By this means they were able to catch up with orders by March 11th, and since that date have been steadily accumulating a safe surplus at Buffalo and each of the branch houses.

We were specially interested in the Office, the Machine Shop, the Tin Shop and in watching the assembling or putting together of the machines.

The office is a large room crowded to the limit with busy employees, all working together in a very democratic way and where every officer is in sight and easily accessible to anyone having business with them. The office is supplied with the latest up-to-date office appliances for speed, convenience and accu-

to the poultrymen. It is an interesting study to watch the assembling of the Cyphers Incubator. Everything is done by machinery that the greatest ingenuity can devise. Every bit of wood work is cut and accurately fitted by the use of machinery and even nails are driven by machinery. With each stage of development a new and interesting operation can be seen. Specialty work is observed throughout the whole factory, and as fast as one operation is performed the work is passed on to another workman, who does his work, until the shipping room is reached. In this assembling room, each man has his duty to perform and one can see an incubator grow from the cutting out of the first boards, the assembling of each part, the packing of the interior, the sandpapering and finishing of the exterior, the painting and varnishing and putting

CHAS. E. THOMPSON & Co.
LYNNFIELD CENTER, MASS.

See ad on page 368.

First and second-class poultry should never be packed together. In such a case they are all rated at the second-class price. Males and females must never be in the same package, or rather mixed. Thin stock and that which is well fattened should be by itself, and the contents and grade be marked on the outside of the box. Ship in packages weighing from 100 to 200 pounds. Before packing, line the inside of boxes with paper, and place clean paper between the layers, and several thicknesses on top. Pack tightly and full up to the top, so that they cannot shuffle about on the way and become bruised. Ship to a reliable commission house, write plainly on the outside of the box the contents, weight, address of the firm shipped to, as well as the name and address of the shipper.

The British consumer sticks loyally to his demand for home-grown poultry, and the result is that thousands of French, Italian, Canadian and American fowls are regularly palmed off as English stock.

Greatest insect exterminator
Pratts Liquid Lice Killer.

Made by Pratt Food Co., Phila. Over 30 years old.

Union Lock
Poultry
Fencing



As it Looks When Erected.

Factory Net Price List.

Regular. 19 & 20 Wire.		Extra Heavy No. 17 Wire.	
24 inch per rod, \$	.28	24 inch, \$	.48
36 " " "	.35	36 " " "	.59
48 " " "	.42	48 " " "	.70
60 " " "	.48	60 " " "	.85
72 " " "	.54	72 " " "	.93
84 " " "	.60	84 " " "	1.00

This fence is put up in 10 and 20 rod rolls. We accept orders for any number of rods or rolls, and pay freight on orders for \$10. or over almost everywhere. We have poultry yard gates covered with this fence. They open both ways; are very convenient, durable and sightly. Price list free. For more than five years we have been selling Union Lock Poultry and Field Fence to farmers and poultrymen. They prize it for many reasons. It is

The Fence That Does Not Sag.

It stretches perfectly and fits uneven ground. It is easily erected. Its horizontal cable wires make it strong enough to turn all stock, while its 1 1/4 inch meshing at the bottom keeps in the little chicks. Extremes of heat and cold do not affect it, it adjusts for all temperatures. It is sold at farmers' prices.

WE MAKE PROMPT SHIPMENTS. For this purpose we maintain mills in both Connecticut and Illinois. We ship from nearest mill. Send in your order now and be ready for an early spring. Catalog of Farm, Poultry and Lawn fence free. Write for it.

CASE BROTHERS, 44 MAIN STREET, COLCHESTER, CONNECTICUT.

EGGS! EGGS!! EGGS!!!

FROM

Worlds Fair
..Winners..

LARGEST EXCLUSIVE BREEDER
OF EXHIBITION

GAME BANTAMS, PIT GAMES
...and FERRETS IN AMERICA...

Plenty of Birds for Sale. Write to-day, to-morrow never comes. When writing for fun enclose stamp.

V. C. HASKELL, - Zanesville, O., Box 542

White Wyandottes

...TRIUMPH STRAIN...

Again proves itself the best in the world, fancy and utility considered. In the hands of my customers it was right up among the winners in St. Louis, New York and Boston. Also again won special for whitest male in Wyandotte class, Boston, 1905. It is admittedly in a class by itself when it comes to heavy laying of large brown eggs. If you want both winners and eggs breed the Triumph Strain. Stock and eggs for sale. For catalog and prices write the originator.

W. E. MACK, W. Woodstock, Vt.

Ring's W. Rocks

Won four firsts at Chicago, Jan., 1905, on five entries, all placed.

RING'S W. WYANDOTTES

Won four firsts at Detroit, Jan., 1905, on seven entries. All placed. His breeding pens contain all his winners. If you want quality and utility write for his free illustrated catalogue. Order eggs at once. to insure delivery when wanted.

CHAS. H. RING R. F. D., Decatur, Mich.

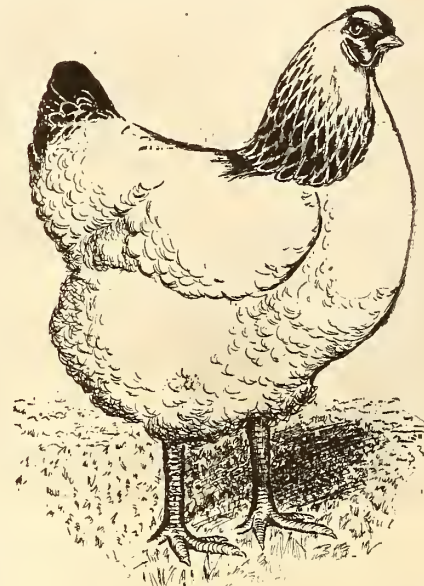
DAISY.

The Autobiography of a Hen.

I remember but little of the first few weeks of my life, in fact I do not know just how old I was when I was running around with my mother and brothers and sisters picking up all sorts of stuff. Our mother loved us dearly. She used to give us all she found to eat, never once thinking of eating it herself. One day the cat got one of my sisters, which grieved my mother very much, after this she never went near the cat again. One day our mother left us and she never came back again. Oh! how lonely the time was without her. We went all around trying to find her, but we never caught a glimpse of her.

From this time on I can remember quite good the happenings of my life. Our master used to be very cruel, he fed us but once a day and our coops were never cleaned. We never got any water, lest we went down to the pond and got it there.

One day a man came along and



COLUMBIAN WYANDOTTE HEN.

Bred and owned by Hazelmere Poultry Yards, Knightsville, Cranston, R. I.

bought me; he put me in a box and carried me off. When I was released I found myself in a splendid poultry house among many other chickens like myself. Oh! how glad I was to have got away from that cruel master of mine, all the dishes were filled with food and water. Oh! how I ate and drank, I thought I would never stop again. Then I went into the scratching shed and took a dust bath.

One day my master took me up and weighed me. "By jinks," he said, "this here pullet weighs two and a half (2 1/2) pounds. Then he put a tin thing, which he called a leg band, around my leg and then he put me down. Oh! how proud I felt for the rest did not have any leg bands on. By and by I felt that something queer was going on inside of me. One day I had

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.



96 Point Pullet, The White Kind.

an awful desire to go in the nest. At last I could not stand the temptation, so I jumped in the nest and sat down. Pretty soon I laid an egg and just as I was going to jump off, my master

After this day I visited the nest frequently, and one day I had a desire to stay on the nest. I soon realized that I was broody. The following day my master came in and when he saw that

heard a cracking, and I looked down and found out that a chicken had just come from the shell. By and by they all began to crack, and by the twenty-first day I had a brood of thirteen little chicks, seven being black and six being white. Then I took them out to scratch, but they would not scratch nor eat, all they did was to say peep, peep.

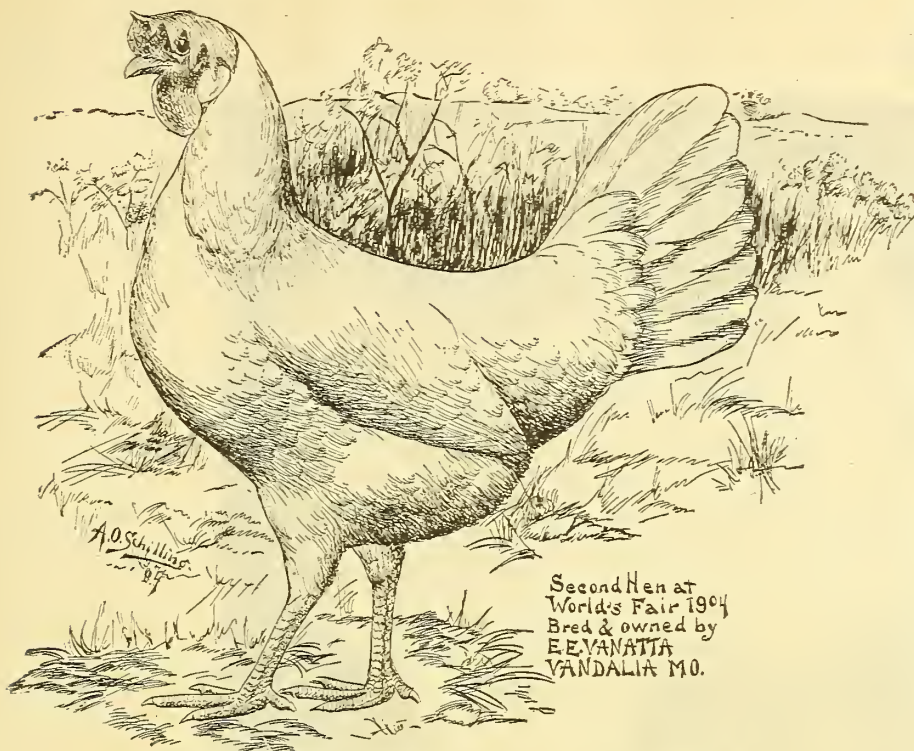
That night my master put me in a coop that had slats in the front so that my chicks could go out, but that I had to stay in. One day a great big gray cat killed eight of my brood. The next day the cat killed the rest. When my master saw him take the last one away, he got out his gun and there was a mighty report and the cat fell to the ground. That night my master put me in the chicken house. Oh! how lonely I was without my chicks. While I was thinking about my chicks, someone caught me roughly by the neck and threw me into a sack. I surely thought my end had come. All the other chickens were also placed in sacks. Then the bag began to move and I knew that we were being carried off. When me and the rest of the chickens were released, we found ourselves in a lonely barn. My master offered a large reward for the thieves. They were at last captured and sent to jail. In the morning we were all carried back to my master's place. When he looked at us he recognized me at once. He took me up and said: "My dear Daisy, I would not part with you for all the world. You are mine for good."

CHAS. H. WAGNER.

Fullersburg, Ill.

Potato starch is very digestible.

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.
See ad on page 368.



Second Hen at
World's Fair 1904
Bred & owned by
E. E. VANATTA
VANDALIA MO.

Single Comb White Leghorn, as bred by E. E. Vanatta, Vandalia, Mo.

came in. First he looked at the egg and then at me, and then he began petting me and calling me his dear old "Daisy." After a while he took up the egg and went out.

I was broody, he went away and got thirteen eggs and put them under me.

After I had been setting twenty days, I heard a tapping. I soon found out that it came from the eggs. Next I

YOUR POULTRY HOUSE



Paroid Roofing lasts longer and wears better than any other ready roofing because it is better made clear through, of better stock and better finish. Contains no tar. Slate color. A complete roofing kit in each roll. Send for free sample and book "Building Economy" and let us prove it to you. Established in 1817.
F. W. Bird & SON, E. Walpole, Mass., or
Monadnock Bldg., Chicago.

**SEND
TODAY FOR
FREE
SAMPLE
OF
PAROID**

A FREE FOR ALL HATCH



JEWEL INCUBATORS and BROODERS are sold on **thirty days' free trial**—a guarantee backed up by a capital of \$2,000,000. We will prove to anyone that our machines are more accurate and sure than any others known. Perfect regulation, automatically controlled. Our Supply Catalogue gives full particulars concerning our unequalled offer and tells how to raise poultry at the least expense. A large three color picture of a White Plymouth Rock cock, that sold for \$500.00, will be sent those interested. We are the largest poultry supply dealers in the world.

JEWEL CHICK FEED is prepared and manufactured by us. It is guaranteed to raise more chicks to maturity than any other grain feed known. It is a perfectly balanced ration. Money refunded if it fails. No dirt and mill sweepings found in this mixture. Only pure, sound and wholesome grains used in the Jewel Feed. No up-to-date farmer or poultryman can afford to be without our catalogue. It's Free.

Address: POULTRY DEPARTMENT, Box E, INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN.

THE BEGINNER.

To the beginner in the Poultry business I would address these few words.

The hatching season is about on us and we will either have eggs for sale or will want to buy some. To the one

Select the very best hens or pullets from your flock and put them in the breeding pen. Never have more than fifteen hens to the one cock. It is best to always allow two cocks for each breeding pen always keeping one in reserve. In other words alternate weekly with a

fidence of your customer.

When you receive an order for eggs, write and acknowledge receipt of same, stating when you expect to ship, then the day you ship them drop your customer a card telling him you have shipped the goods and about the time



One of Ira C. Keller's winning pens at the World's Fair, White Wyandottes. Mr. Keller was the only exhibitor who won more than one premium on breeding pen of this variety. He showed four pens and won on three of them. Send to Prospect, Ohio, and get his large circular which tells all about his winnings and birds.

who has eggs for sale—Be sure you have a good ad. in some good reliable poultry paper. State clearly what you have for sale and keep the ad. always before the public.

You may not at first see much fruit from your efforts, but if your goods are up to the standard and you *don't shoot too much hot air*, your next year's orders will far exceed your expectations.

change of cocks for each breeding pen.

In so doing you will not be the one who will receive these words: "Not over half of your eggs hatched for me."

When you ship eggs tell your customer that you will replace eggs at half price to those who do not get over a two-third hatch.

In so doing you will gain the con-

he may expect them.

Then in about twenty-four days write a letter asking about the hatch, whether it was a good one or not. This will show to your purchaser that you are

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

RESULTS

READ THEM. SINGLE COMB WHITE LEGHORNS

Thirty pens of pure white hens, many great winners, headed by pure white roosters and cockerels, many big winners at the great shows. Many of these hens weigh 7½ lbs. are the heaviest Leghorns, great foragers and good layers. I have no culls or common stock. My patrons get eggs same as I use, from each of these pens at \$1.50 per 15, \$2.50 per 50, \$5 per 100, \$40 per 1000. Order direct from this or send for circular.

H. C. BEEBE,

R. 5, CANTON, ILL.

Something
New

Strathmann's Poultry Yard Seeder

A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in 1 year. Its weight is 30 lbs., sows 2 rows 10 ins. apart and cultivates your ground.

Will do what all poultrymen and journals say, keep your chickens scratching. Our seeder has proved itself a winner at the Chicago poultry show by having a larger attraction than any other exhibit. Simple, durable and practical; can't get out of order. Any boy or girl can operate it. Send for circular.

Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.

To Distribute
Grain and Seeds
For Scratching
Fowls.



interested in the hatch, even after you have received your *Dollars*.

If orders should reach you faster than you can meet the demand, write to each customer that it will be impossible for you to let him have the goods at the time specified in his letter and that if he cannot wait till a specified time, say that you will cheerfully refund the party his money. If you do this it will be very seldom that you will have to send the money back. Lastly let me say, Be honest and do as you say you will. Above all things, don't say that you will answer all communications accompanied by a 2 cent postage stamp, as I was told in a letter from a noted breeder not long ago.

These seem minor affairs but they will count in your favor every time.

I am sincerely yours,

Dr. O. G. CRAWSHAW,
Dawson, Pa.

WINSTED'S POULTRY SHOW.

Old Western Connecticut Poultry Association Revived—Score Card Exhibit December 19-22, 1905.

Poultry fanciers will be pleased to learn that the old Western Connecticut Poultry Association of Winsted, which was organized in 1885, has been revived and a score card exhibit will be given at the armory Dec. 19-22, 1905. A meeting of the members and others was held at the town hall recently and officers elected as follows: G. L. Foskett, president; A. P. White, Dr. G. W. Brown, S. V. Beckwith, E. B. Parsons, Winsted, J. D. Bishop, Torrington, vice-presidents; L. C. Capewell, secretary; F. D. Hallett, treasurer; R. S. Seymour, H. M. Sweet, J. H. Holbrook, F. B. Catlin, William Aukland, executive committee.

This association has probably given some of the largest and best poultry shows ever held in the state. Each exhibitor was given a square deal in the awarding of premiums and the reputation that this organization obtained through their hospitality is fresh in the minds of many breeders today.

Enthusiasm among poultrymen in this section has been aroused to a high pitch, and already breeding pens have been mated in anticipation of exhibiting at Winsted's score card show next December.

Liberal premiums in both regular and specials which will be open to the competition of the world, will be offered, and every member has gone to work with only one end in view—to make it the leading show of the state.

Winsted is the terminus of the Naugatuck division of the New York, New Haven & Hartford railroad system and is on the line of the Central New England railroad, which connects the Hudson river at Poughkeepsie and Rhinecliff from the west and Hartford from the east. It is the largest and most important place on the line with the exception of Poughkeepsie and Hartford.

The armory is only about two minutes' walk from either station. It is roomy and well lighted and ventilated, in fact an ideal hall for a poultry exhibition.

A very cordial invitation is extended to all exhibitors to show at Winsted next December.

L. C. CAPEWELL,
Secretary of the Western Connecticut Poultry Association of Winsted, Conn.

SAFE GUIDE FOR ADVERTISERS.

The well-known advertising agency of Lord & Thomas, Chicago, New York and St. Louis, has issued the 1905 edition of their "Pocket Directory of the American Press." In compact and convenient form, it gives complete and reliable information regarding the circulation claimed and other data on all advertising mediums published in the United States, its possessions, and Canada, with the latest Federal Census. An entirely new and very useful feature is a complete directory of Outdoor Display. This 800-page book is a necessity to every business man who realizes the value of judicious advertising.

Geo. M. Kline, Downer's Grove, Ill., writes: "My Barred Rocks won at Downer's Grove 1st and 2nd cockerels, 1st and 2nd hen, 3rd pullet; at Naperville on three entries, 1st cockerel, 1st hen. My White Wyandottes won at Downer's Grove, 1st and 4th cockerels, 1st and 3rd pullet; at Minneapolis won 2nd on pullet."

The classes at these shows were very large and competition was very strong, and it took birds of quality to win. I not only breed prize winners but they are bred for heavy laying qualities. I have had twelve years' experience in breeding these fowls and my yards contain birds of exceptional quality. All customers will get eggs from my best pens containing all my winners."

No wonder it's good!
Pratts Veterinary Liniment.

Made by Pratt Food Co., Phila. Over 30 years old.

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

The Chicken Doctor

Says—Insist on having

Sanford's Remedies

Egg Producer—Insect Powder—Liquid Lice Killer—Gape and Cholera Cure—Roup Pills—Disinfectant—Microzone. Best and Cheapest.

Sold by merchants everywhere. Illustrated list free from
F. S. BURCH & CO., 144 Illinois St., Chicago.



AGAIN WE WIN

THIS TIME AT THE GREAT CHICAGO SHOW.

At the ninth annual exhibition held by the National Fanciers' and Breeders' Association, January 23-28, 1905, we won on fifteen entries the following awards:

LIGHT BRAHMAS—First cock, second pen, second and fourth hens.

PARTRIDGE COCHINS—Second pen, third hen, fifth cock, fourth and fifth pullets. We still have a small amount of breeding stock for sale and are booking orders for eggs at \$2.50 and \$4 per sitting of thirteen.

ELMDALE FARM

C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Ia.

Barred Ply. Rocks Exclusively

My breeding yards are represented by birds of royal breeding and grand individuality. **Cockerel matings:** Yard 1 headed by chl. whose sire was a first place winner at Chicago, '03. This pen is pure Bradley Bros. strain. Yard No. 2, headed by two-year-old cock, full brother to first pen cockerel at Madison Square Garden, N. Y., 1904; pen is Bradley Bros. strain. Yard No. 3 headed by the best son of cock in yard 2.

Pullet matings: Yard No. 4 headed by the best son of the great pullet breeding cock Milo. This pen is pure E. L. Miles strain. Yard 5 headed by fine large cockerel of the proper color for pullet matings. This pen is pure Bradley Bros. strain. Yard No. 6 is old Milo with five fine large pullets; E. L. Miles strain.

Eggs \$3.00 per 15, \$5.00 per 30.

L. H. EDWARDS

R. R. 1, Owasco, Ind.

The Great Question

for the next few months will be, "What Incubator shall I buy?" If we could talk with you face to face and explain the many advantages of the

Perfected Von Culin

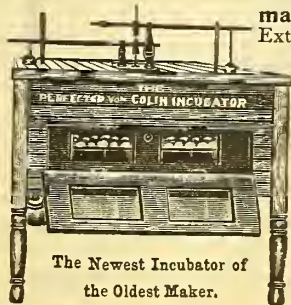
the question would be answered most satisfactorily to us both. This machine is the result of practical experiments and tests extending over a period of 30 years. The inventor Mr. C. Von Culin is widely known as a pioneer in incubation. He built his first machine in 1873 and has been continuously in the manufacture of incubators and brooders ever since 1885.

The result is the **most perfect and simplest machine** on the market. Kiln-dried Lumber, Extra Thick and Packed Double Walls, Full

Sized Heaters, Metal Safety Lamp, Improved Thermostat absolutely controls heat, Tested Thermometers, and a first class Egg Tester. It takes only about $\frac{1}{4}$ as much oil to run this machine and your hatches will run about 20 per cent higher. A big saving every year. You won't quarrel with the price.

Our "Boiled Down" Catalogue tells you what you want to know, simply and in the fewest possible words. It is a time saver. We send it free. Write to-day.

WAYLAND INCUBATOR & MFG. CO., Box 53, WAYLAND, N. Y.
Sole Makers of Von Culin Incubators and Brooders.



The Newest Incubator of
the Oldest Maker.

CLASSIFIED ADS.

(CONTINUED)

PLYMOUTH ROCKS.

FISHEL WHITE ROCK, White Wyandotte eggs. Baby chicks. Distance no objection. Mrs. M. B. Williams, Salisbury, Mo. 4-1

"WISCONSIN BEAUTIES." No finer Barred and White Rocks in the state. Eggs, \$1.50 for 15. Also my formula for dry feed for little chickens and turkeys. This I use myself and it saved me many dollars last year. Would never feed wet mixed feed again. This free with order or 10c if sent alone. Mrs. Kate Johnston, Mineral Point, Wis. 4-1

WYANDOTTES.

EGGS, 10c each. Standard White, Partridge and Silver Pencilled Wyandottes, Buff Orpingtons. Chickadotte Farm, Ruralhall, N. C. 4-3

DUSTON STRAIN White Wyandottes. Eggs, \$1.50 for 15; \$2.50 for 30. Alice Latham, Route 4, Newton, Iowa. 4-3

DUSTON'S WHITE WYANDOTTES. Eggs, \$2 for 15. John W. Brown, Thorn Grove, Tenn. 4-3

WHITE WYANDOTTES. Prolific layers. Circular and premium list free. Stock for sale. Incubator eggs, \$5 per 100. Wentz Bros., Route 29, Plymouth, Wis. 4-3

GOLDEN WYANDOTTES, Blue Ribbon winners wherever shown. Write me for stock or eggs. Letters answered. Frank Langohr, Columbia City, Ind. 4-2

LEGHORNS.

SINGLE COMB WHITE LEGHORNS. Mail this ad to have 75c for 15 selected eggs from a pen of snow white birds. Free circular. E. L. Keith, Mount Vernon, Iowa. 4-3

ARNOLD STRAIN BUFF LEGHORN COCKERELS, show birds, \$5 each. Ancona cockerels, \$5 each, show birds. Buff Cochins Bantam cockerels, \$1 each. Mrs. Wm. Lull, Norwich, N. Y. 4-1

ROSE COMB BROWN LEGHORNS exclusively from prize winners, extra large stock, low combs, great layers. Eggs, 15 for \$1; \$4 per 100. James Crawford, Cameron Mills, N. Y. 4-3

"KENTUCKY BLUE GRASS" Strain Single Comb Brown Leghorns. Fancy quality. Prolific layers. Eggs, 15 \$2. Hickory Grove Poultry Farm, Piqua, Ky. 4-1

ORPINGTONS.

EGGS from high scoring S. C. Buff and White Orpington. Buff, \$2 per 15; White, \$2 per 13. L. L. Howard, Montpelier, Ind. 4-1

BUFF AND WHITE ORPINGTON (Cook's) \$2. Sent immediately. Forty miles from Chicago. U. Blickensderfer, Ainsworth, Lake Co., Ind. 4-1

MINORCAS.

SINGLE COMB BLACK MINORCAS. Great layers. Sitting, \$1; 100, \$5. John Kerr, Ulster Park, N. Y. 4-1

BRAHMAS.

LIGHT BRAHMA EGGS. Pen headed by cockerel scoring 94½, son of first prize cock at World's Fair. Mated to pullets scoring 93½ to 95½. \$2.50 per 13. Mrs. Mary Rump, 1929 State St., Quincy, Ill. 4-1

EGGS from our line bred exhibition Dark Brahmata, \$2 and \$3 per 15. Write for circular. Jibben Sisters, Blairsburg, Iowa. 4-1

RHODE ISLAND REDS.

ROSE COMB RHODE ISLAND REDS. Choice stock. Eggs for sale, \$2 per setting. Chas. Hawn, 169 Cochran St., Blue Island, Ill. 4-3

SINGLE COMB REDS. Eggs, \$2 per 13 from my pen, headed by a "Hansen" prize winning cockerel. Extra quality. Harry R. Crane, Modesto, Ill. 4-3

GAMES.

"PIT GAMES," eggs, stags and pullets. Gameiness guaranteed. J. R. Hurley, Cassville, Mo. 4-1

COCHINS.

BUFF COCHINS, line bred from New York winners. Immense feathering, rich golden buff color, large size, true Cochins shape. Four grand pens mated for eggs. E. J. Fish, Vigil, Ohio. 4-1

BANTAMS.

FOR SALE—Must sell cheap trio Buff Cochins Bantams. Hens laying. Chas. Murbach, 879 N. Leavitt St., Chicago, Ill. 4-1

PIGEONS.

HOMERS! HOMERS! HOMERS! HOMERS! For squabs we have the Homers that are prolific and profitable. Also a few fancy varieties. Send two-cent stamp for catalogue. Standard Pigeon Lofts, Souderton, Pa. 4-3

SEVERAL BREEDS.

FOR SALE—Eggs from my Chicago winners, White Rocks, Barred Rocks, White Wyandottes, Silver Wyandottes. Send for catalogue, price and winnings. Ames Orr, Dwight, Ill. 4-3

LIGHT BRAHMA AND PEKIN DUCKS. Having greatly improved my stock the past year, I offer a few fowls for sale; eggs for hatching; my ducks have the use of a fine stream which greatly adds to the fertility of eggs; \$1 per setting, \$1.75 per two settings; special figures for large orders. Mrs. O. W. Mack, Light Brahma and Pekin Duck Farm, Brodhead, Wis. 4-3

HOMESTEAD POULTRY FARM. Eggs for hatching of pure bred poultry at \$1.75 per 15 eggs of Buff and Partridge Cochins, Buff and White Plymouth Rocks, Buff Wyandottes, Black Minorcas and Light Brahmata. Amos Cooper, Prop., Landisville, Pa. 4-3

ORNAMENTAL.

ORNAMENTAL LONG-TAILED Japanese Phoenix Fowls. Cock's tail 3 to 4 feet long; saddle feathers, 18 inches. Good layers. Eggs, \$3 per setting. Stamp for illustrated booklet. S. G. Egger, Rural, Lewisville, O. 4-3

PHEASANTS.

ENGLISH AND GOLDEN EGGS. Blood and beauty unsurpassed. Breeding from last year's imports. Two complete treatises on rearing with each order. Stamp. R. Kistler, Delaware Water Gap, Pa. 4-3

Poultry Pointers

Illustrated, tells how to use Crushed Oyster Shell, Grit, Charcoal, Beef Scraps, Bone Meal, etc., free. ALFALFA MEAL CO. 1632 Sarnam St., Omaha, Neb.

CHAS. F. HOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.



WHITE FEATHER POULTRY Yards. Mammoth Pekin Ducks and White Wyandottes. Eggs for sale from selected birds. Will also sell one Manu's Green Bone Mill, good as new. I invite correspondence and will answer all inquiries. MISS MAUDE DUBER 4-1 Butte, Nebraska



Correspondence School of Poultry Keeping
A 3 months' course for \$2.00. Regular price \$35.00. Simply send \$2.00 and a coupon taken from a package of Pratt's Food, and the Lectures will be promptly mailed each week. For further particulars of the best and most complete Course ever offered, write Pratt Food Co., 156 Walnut St., Phila.



PICKETS LOCKED IN CABLES

Can't slip, but stretches perfectly to fit uneven ground. Fine meshes at bottom for little chicks. High as you want it, 1 to 7 ft. A poultry fence for all fowls that does not sag.

We sell direct to Farmers and Poultrymen.

Prompt Shipments at Factory Prices.

Mills in Connecticut, Illinois, California. Write for catalogue.

CASE BROS., 28 Main St., Colchester, Conn.

It is amusing to note, in reading the claims made by originators of new breeds, that the particular merit in the variety is extra quality of flesh. The truth is that any breed properly fed and cared for will be tender, juicy and toothsome; and no breed will be plump, tender and fit for the table unless thus handled.

A LITTLE EGG GOSSIP.

Frosted combs will check egg production.

Overfat pullets are tardy in beginning to lay.

Late molting hens are as a rule in different winter layers.

Feeding cooked or steamed clover hay, prevents soft-shelled eggs.

Don't move the layers more than is actually necessary, as it is apt to check their laying.

Remember it is the food given, and not the breed employed, that gives us the rich flavored eggs.

From estimates made it is agreed that a hen can pay her board with one egg a week, providing the average market price for eggs averages 2½ cents each.

The British market calls for eggs that will weigh 1½ pounds to the dozen. Those engaged in the import trade believe that in large eggs the albumen is thicker than in small ones, and that about 90 per cent of the stale or bad eggs are small eggs with white shells. Shells of a brown color are preferred, and must be clean without having been cleaned.

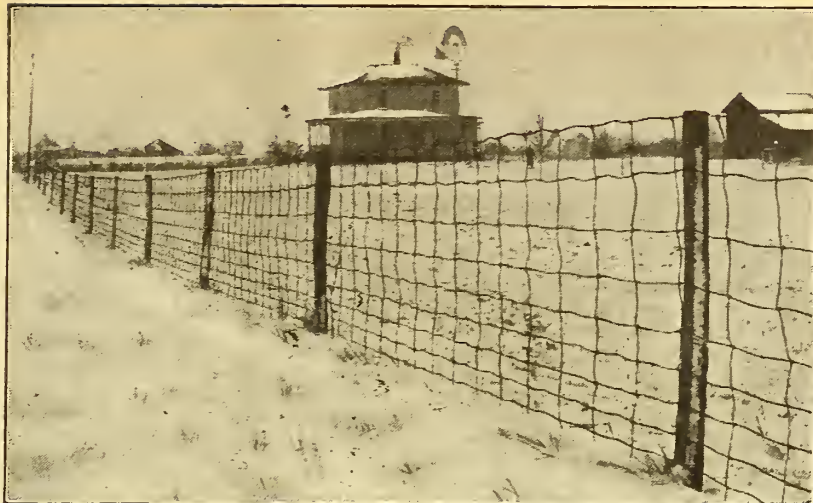
A speaker at a Farmers' Institute said: "Yarded fowls are the modern improved egg machines. Fowls let run and given free range cannot produce as great a number of eggs, for the reason that they convert a part of their food into muscle, and thus reduce their capacity for forming the eggs." In his own case, he said, he increased his egg yield 18,720 eggs last year by yarding his fowls.

H. W. Collingwood says that we may have lime in our flour, lard in our butter, peanut shells in our coffee, sawdust in our tea, basswood in our hams, and sand in our sugar, but the eggs cannot be successfully counterfeited. Our little friend, the hen, with her marvelous inside fixtures, will still continue at the old stand, putting her humble grist together, and shelling out this most miraculous of animal product—the egg.

Soft-shelled eggs are caused generally by a lack of lime in the food. The shells are a lime formation, and if there is not a sufficient amount of that material in the food, the shells will not harden. The trouble has also been traced to indigestion in fowls. An overfat condition, too, will show itself in the nature of the egg when laid. Instances are known where hens frightened or annoyed by dogs have dropped eggs with a soft shell.

The French method of preparing poultry for market is acknowledged, in some respects, superior to others. The birds are made very fat and plump, and are manipulated to increase plumpness. A few feathers are left on tail and neck. The skin is white and delicate. Each carcass is tied with a ribbon, and is shown back uppermost instead of breast up, according to the English as well as our own style.

One hundred pounds of fresh hen manure, according to analysis, contains about 50 pounds of water, 16 pounds organic matter, and the remainder in ash. In other words, it contains 2.43 per cent of phosphoric acid, 2.26 per cent potash, and 3.25 per cent nitrogen, as ammonia and organic matter.



PAGE FENCE ON THE FARM OF MR. AUSTIN FITTS, ROLLIN, MICH., ERECTED IN 1885. PHOTOGRAPHED JANUARY 4, 1905.

Read what Mr. Fitts writes under date of January 14, 1905:

"In the fall of 1884 I gave Mr. Page an order for 80 rods of Page Fence, which, by the way, was the first fence he ever sold. This fence was erected in the summer of 1885, has had no repairs excepting new posts where they have rotted off, has given me great satisfaction, and from present appearance will be a faithful servant through all my declining years."—AUSTIN FITTS.

A Page Fence of today ought to last much longer than a Page Fence of twenty years ago. The reasons are:

First—We make all our own wire, and are using the best high-carbon, spring steel

wire that money and skill can make for all the horizontal bars—wire that actually has double the tensile strength of common fence wire of the same size.

Second—We are using larger cross-bars—all our stock fences being made with No. 12 cross-bars, unless otherwise ordered.

Third—We are taking infinitely more pains with our process of galvanizing—using more zinc and spelter, putting on an extra heavy coating, and applying it more evenly and smoothly, and last, we are continually improving our weaving process—knitting the cross-bars around the horizontal bars more securely than ever before, and putting a Loop Top on many of our

stock fences. In fact, there is every reason why Page Fences are better fences now than ever before, and why a Page today is a Page to stay.

Otter Creek Poultry Farm Company, Watertown, N. Y., won at Watertown, N. Y., Jefferson County Fair, held September, 1904, in strong competition, four firsts and one second on seven entries, including first and second B. C. White Leghorn cockerel, first S. C. Black Minorca cockerel, first Barred Plymouth Rock cockerel, and first Barred Plymouth Rock pullet.

The Cousins Automatic Egg Turning Tray, manufactured by J. L. Cousins, Warren, Pa., is selling like hot cakes. If you are using incubators you cannot afford to be without them. They are made to fit any machine. Mr. Cousins will send a free catalogue describing them to any reader of AMERICAN POULTRY JOURNAL.

CHASE & THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

Alfalfa Meal

makes more eggs—fertile eggs, strong chicks. "Poultry Pointers" and sample FREE. Write ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.



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until you receive and approve of your bicycle. We ship to anyone on

TEN DAYS FREE TRIAL

Finest guaranteed

1905 Models \$10 to \$24

with Coaster-Brakes & Punctureless Tires.

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of Best Makes..... **\$7 to \$12**

500 Second-Hand Wheels

All makes & Models good as new **\$3 to \$8**

GREAT FACTORY CLEARING SALE.

RIDER AGENTS WANTED in each town at good pay. Write at once for catalog and special offer.

TIRES, SUNDRIES, AUTOMOBILES.

MEAD CYCLE CO., Dept. 5126 CHICAGO

\$1.50 and What it Will Do

ORDER NOW

The New Standard of Perfection which will soon be issued by American Poultry Association, is in such demand that the sooner you get your order in the better chance you stand of getting one of the first editions. The Standard is a necessity to every poultryman. It is the authority which judges go by at the poultry shows. It describes every standard variety, giving the correct shape, size, color, etc., that a perfect bird should be. With a copy of this book you can judge your own fowls. It enables you to know your best birds, which to take to shows, which to mate for best results. The book will contain over 300 pages with nearly 100 illustrations. The price of it made by the American Poultry Association is \$1.50.

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Help you get the New Standard cheaper

1.—Send us One New Subscription to the American Poultry Journal at its regular price of 50 cents a year and we will let you have **The New Standard for \$1** instead of \$1.50.

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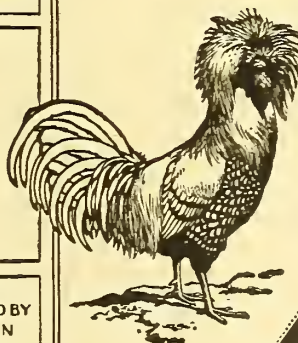
5.—OR—Send us Five New Subscriptions at 50 cents each, and you can have **The Standard for 25 cents** instead of \$1.50. 6.—OR—Send us Six New Subscriptions at 50 cents each, and **WE WILL GIVE YOU THE STANDARD FREE.** Address

American Poultry Journal Pub. Co., 325 Dearborn St., Chicago

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CARE OF SETTING HENS.

A Method which has Proved Successful.—By Victor N. Caneday.

Notwithstanding the fact that thousands of incubators and brooders are used by the poultry raisers of America, there are many who hatch and raise their chickens in part or entirely in the old way.

To the small breeders and those keeping pedigree records of their chicks, the setting hen is still a favorite. As a breeder of pedigreed fowls we have given the care of setting hens considerable thought and our method of handling them will probably be of some interest to those especially who have had difficulty with them.

Like everything else, we found there was a right way and wrong way to handle broody hens, and while there may be other methods fully as good as the one we have adopted, we feel justified in giving our experience because of the good results obtained.

If we have hens enough of our own to spare for setters we place those wanted for the purpose in a pen by themselves, leaving three or four china eggs in each nest, and disturb them as little as possible while they are on the nest. In this way we have been able to get them broody at any time desired and in sufficient number to meet any demand we had for them, while in other pens where no nest eggs were used and the eggs gathered regularly and often, very few became broody until late in the season, and some not at all.

When we sell ourselves short of hens, so that we have none left except those intended for breeders, we buy them from neighbors around and remove them to our own place, where they settle down to the business of raising a family with as much determination as though no one had interfered with their choice of home.

In the selection of setting hens we never use a hen which does not show unmistakable signs of broodiness. For our purpose we want a hen which has stuck to the nest at least two nights of her own accord. In case we cannot know as to that, we take her anyway, if she has begun to lose the feathers from the under portion of her breast and body. We tie their legs, place them in a common gunny sack until they reach our house for setters, where they are first given a thorough dusting of an insect powder, which is sure "Death to Lice." They are then placed in roomy nests and given three or four china nest eggs to nurse until we are satisfied by their behavior that they can be trusted with our choicest eggs. (All our nests for setting hens are so arranged that a board sets down in between a cleat and the front of the nest, closing the hens in securely.) These hens are then left closed in on these nests until the following day, when all the hens are let out in lots of six or eight at a time, for

feed and water and to avoid their dropping. We generally arrange it so as to let them out seven at a time and watch them until they have all voided their droppings, when they are each placed back on their own nest. If this matter is never overlooked there will not be any fouled nests and rarely any broken eggs. In fact, if a setting hen's wants are properly supplied she will in ninety-nine cases out of a hundred, do her part of the work to the entire satisfaction of her keeper. We feed them corn exclusively. A five-pound butter jar is used for corn and another for water. Grit is scattered about over the floor of the pen.

In most cases the second day after removing a hen to the setting house she is settled down and willing to let us do most anything we want to with her. We do not give them a setting of eggs until they will let us handle them on the nest without making any fuss. When we have from five to seven or more hens ready we set them all at one time, so that we can give three or four hens all the chicks hatched. We consider ten and eleven eggs enough for any hen during March in this section, and twelve and thirteen is plenty for later hatches, while from fifteen chicks for the earliest broods to twenty for later ones is as many as will thrive and do well, in our experience. We do not care to have chicks hatched earlier than the second week of April if they are going to be left outside in brood coops with the hens. In the selection of eggs for these setting hens we are very careful to see that none have been cracked or have weak shells, as such are almost certain to be broken and soil the nest and endanger the hatch of that nest full. We give each hen a thorough dusting with insect powder before putting her on the nest and each week during incubation and again before being placed in the coop with her brood.

The two principle secrets of success with setting hens, as we find them are in giving the hens large, roomy, well cushioned nests and being sure that each hen voids her droppings before she is allowed to return to her nest. It is neglect in this latter case that causes hens to become restless, break eggs, foul the nests and destroy their keeper's peace of mind.

In preparing the nests for setters we sprinkle the nest box thoroughly with kerosene oil as a preventive of red mites getting a foothold. For nest material nothing but good clean oat straw is used and we use plenty of it, working it well into the corners of the nest and packing it down firm so as to leave a good thick cushion of straw between the hen and the bottom of the nest. Large hens must have large nests or broken eggs and chicks killed in the nest will be the result. A hen ought to have room enough so she can stand up comfortably and turn around in the nest. We set from twenty to thirty hens and upwards a season, and find we can attend to the wants of about two dozen hens in three-quarters of an hour each day. We try to be regular about the time of day we let them off. We rarely let them dust themselves, and never let them out in the yards, most of them being anxious to go back on their nests before they are really ready to. In buying broody hens from neighbors it sometimes happens that hens with scaly legs are used, in which case we give their legs two or three applications of kerosene oil before giving them a setting

of eggs to care for.

We have done considerable experimenting with pedigree trays in our incubator and are trying some new style trays this season, but up to the present time we have found the natural method far superior for the purpose of pedigree breeding, and when rightly managed it does not require an excessive amount of work or time to care for quite a number of setting hens. In many little ways we have learned to economize time until the hatching season has ceased to be as much of a trial as it often is where there is a lack of system and proper handling of the hens. In dusting our setters, we do it when caring for their wants while they are off the nests—the first hen that is ready to go back is dusted and placed on her nest, the second likewise, and so on, and when through caring for their other wants that day the entire lot have received their weekly dust bath with a dust that is sure death to every louse on them and at the same time it has been done in much less time than the hens would take if allowed to dust themselves.

Hens handled in this way may be reset successfully and show no bad effects from it. In warm weather proper attention should be given to ventilation, as hens in close nests easily become overheated if the house is not airy. In hot weather nests ought to be made with special reference to ventilation and the doors and windows of the houses should be removed and screens of inch mesh wire netting used to take their place.

Taylor's Falls, Minn.

The *Maine Farmer* some years ago presented the following type for what it termed a "frictionless egg-making machine:" *Head*—Long and slim; good width in front. *Eyes*—Full, large, expressive, indicative of intelligence. *Body*—Long, slim, broad across shoulders, triangular, deep in front, the apex at rear. Not compact. *Legs*—Good length. "Find this type where you will, it is the egg builder, provided it is backed by the directing energies of an egg-making owner. Form is not everything, but form is necessary for the most to be accomplished in either line. Line up, boys, for the meat maker or egg builder, for it is along these lines the silver cart wheels will roll. The utility bird is the one to tie to and its possibilities are beyond present comprehension.

It is true that supply and demand influence summer prices. Here in Hammononton, every season when small fruit is ready to be shipped to market, thousands of Italians are imported from the large cities to pick the berries, and as they are great egg eaters, the demand is greater than our poultrymen can supply. The result is that eggs in Hammononton bring from two to five cents more per dozen than they do in the city of Philadelphia.

It is important, after dressing poultry, to throw them in a tub of ice water, to which a handful of salt has been added. Keep them there until the animal heat has entirely left the body. Carcasses have been known to turn green in spots when packed before perfectly cooled.

Alfalfa Meal

makes hens lay—chicks grow. Send for sample and book, "Poultry Pointers." They're free. ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

CHAS. F. HOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

CHAS. F. HOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

BREVITY ITEMS.

HINTS ON DOCTORING.

Good ventilation will prevent sickness.

The first aim in mating should be for hardness.

The offspring from overfat parents are puny and weak.

Exercising during the molting period lessens the dangers.

Overcrowding will bring on disease about as quickly as anything.

Canker is the penalty for having poor houses, unclean quarters, musty or unwholesome food.

Indigestion can come in three distinct forms, viz.: in the stomach or bowels back of the gizzard; on the gizzard; in the crop.

Do not allow the fowls out on the snow, as snow water is not only apt to bring on a sharp attack of diarrhoea, but the birds will reduce in flesh.

A ton of wheat contains 41 pounds of nitrogen; barley, 32 pounds; oats, 38 pounds; corn, 32 pounds; peas, 70 pounds; beans, 81 pounds; hay, 31 pounds; clover, 39 pounds; milk, 10 pounds; potatoes, 6 pounds.

The most satisfactory treatment we know of for scaly legs is to wash the fowl's legs well with warm water and castile soap, then rub on an ointment made of equal parts of melted lard and kerosene. Repeat daily until the legs are clean.

POINTERS ON GEESE.

Geese seek mates in February.

The gander is a gallant protector.

Who ever heard of a gluttoned goose market?

The breeders should not be given much grain.

The goose's appetite is not readily spoiled.

The gander is fearless and vicious in his defence.

The first year geese very seldom become broody.

Twenty goslings per goose per year is a good average.

Geese must have range; they cannot stand confinement.

The incubator period of the goose egg covers thirty days.

As layers, geese are profitable until twelve years of age.

Vegetables and cut clover should be part of the bill of fare.

It is easier to raise geese than any other variety of poultry.

It is estimated that ten geese will consume as much grass as a cow.

After laying, the goose covers her eggs with the nesting material.

Inbred stock make very undesirable market poultry. They are generally puny, skinny birds.

Always bear in mind that quick growth and clean quarters are important factors in making tender and sweet meat.

A good carcass poorly dressed loses its value. It always pays to take the greatest of care in placing your goods before the buying public.

There is imported from Germany smoked goose breasts, a very expensive and much appreciated article of food among our Hebrew friends, says *Poultry Topics*. It is considered quite a luxury, and sells for 25 to 30 cents a pound.

CHAS. F. THOMPSON & Co.
LYNNFIELD CENTER, MASS.

See ad on page 368.

Who of you would call for an egg for dinner if you had had a stale one for breakfast? asks J. E. Beyer. Every fresh and wholesome dozen of eggs creates a demand, while every stale dozen helps to destroy it.

THE FEEDING QUESTION.

Pea meal is nutritious.

Rice is easily digested.

Linseed meal is cathartic.

Linseed meal is a cooked food.

Wheat is rich in solids, but poor in water.

Barley is very nutritious but rather laxative.

There is fully 5½ per cent of fat in oatmeal.

Barley has much of the same qualities as wheat.

Potatoes contain about 22 per cent of starch.

Properly-fed fowls are those that are regularly bred.

A feast today and a famine tomorrow will upset the best pen of layers.

A teaspoonful of linseed meal in the mash is a good allowance for a hen.

F. L. Cooper says that linseed meal is

Raw apples are relished.

It is the healthy hen that is always hungry.

Never wash the eggs intended for hatching.

Market as soon as the desired weight is obtained.

Never feed more than they will quickly eat up clean.

It is always best to keep the ducks a little hungry.

You can soon spoil a good reputation with poor stock.

The average turkey egg record is about 45 eggs a year.

A duckling does not know enough to get out of danger.

The foundation of success is based upon hardy parent stock.

You may have cause to regret the fun you had teasing the gander.

Wheat is king of egg foods; oats next; and then comes barley.

There should never be more than fifty ducklings placed in a pen.

In many sections the cultivation of the turkey is being sadly neglected.

Rankin does not favor the late-hatched chicken for market purposes.

The American type of Brahma is a better utility bird than the English bred.

Cornmeal will give a golden color, and buckwheat a white color to the skin.

As the sale of geese is made by the pound, proper fattening is worth considering.

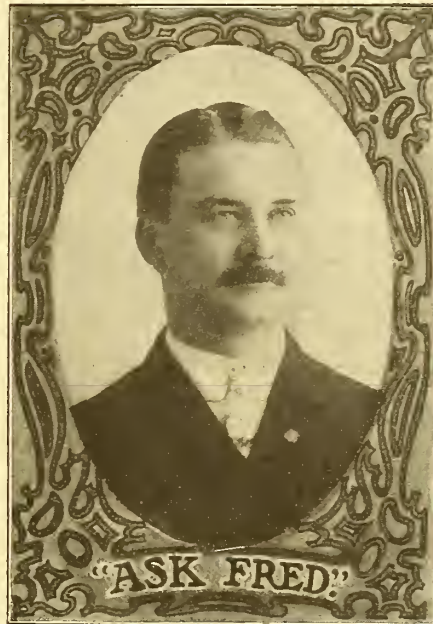
For hatching purposes, eggs should be kept in a temperature as near 60 degrees as possible.

Don't allow the chicks to crowd and thus have a whole lot of deformed fowls on your hands this fall.

Bathing in water is excellent exercise for breeding ducks, but the market ducks should not be allowed to bathe.

Mrs. J. L. Todd some years ago wrote that hens, like men, like a variety of food. Mrs. Todd's theory is correct.

To secure good broiler prices in January, February and March, the chickens must be hatched in October, November and December.



F. H. PHILLIPS.

Manager Chicago Poultry Supply House.

today about the nearest perfect food for fowls for egg production.

Green cut bone is a raw meat ration.

It is cheap; it is beneficial in many ways, both as a food and tonic, says a writer in *Country Gentleman*. It is easily obtained and easily fed, and is a paying investment.

Judicious feeding has become today the most important consideration in husbandry, says E. O. Roessle. Its good effect means a satisfactory season, and its bad effects mean discouragement and loss of interest.

ABOUT BROILERS AND ROASTERS.

Close-grained meat is preferred.

Fowls that range are more or less tough.

Hog-fat is never desirable in poultry for market.

Market the sexes separately, be they dead or alive.

When poultry is overfed, it cannot be put in the proper market condition.

CHAS. F. THOMPSON & Co.
LYNNFIELD CENTER, MASS.
See ad on page 368

GREIDER'S FINE CATALOGUE
of Standard bred poultry for 1905, printed in colors, fine chromo, suitable for framing, illustrates and describes 60 varieties. Gives reasonable prices for stock and eggs, tells all about poultry, their diseases, etc. This book only 10 cents.
B. H. GREIDER, RHEIMS, PA.

Alfalfa Meal
the green feed for fowls. "Poultry Pointers" FREE—tells all about it. Write today for a copy.
ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

HANSEN'S
Rhode Island Reds

The world's champion prize winners and egg producers. Won more cash prizes and more special prizes at the World's Fair than any others exhibited. Won silver cups at Chicago and Warsaw, and all first prizes on S. C. at Chicago, Indianapolis, Louisville, Warsaw and Hamilton, Ohio. At Madison Square Garden, N. Y., show we won 1st cock, 1st hen, 1st chl., 1st pullet and 3 specials for color and shape. The home of Red Cloud, the highest scoring male bird in America. Eggs \$3 per 15, \$5 per 30. Stamp for reply.

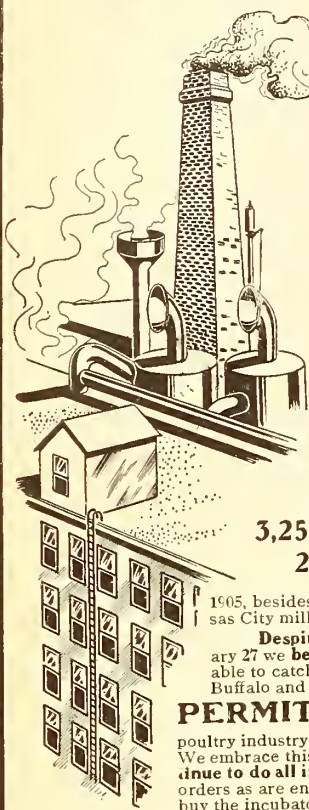
C. N. HANSEN **Warsaw, Ky.**
Vice-pres. American R. I. Red Club.

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GRANT M. CURTIS, President,
Buffalo, N. Y., U. S. A.

Branch Offices.

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NEW YORK CITY, 21-23 Barclay Street.
KANSAS CITY, MO., 2325 Broadway.
SAN FRANCISCO, CAL., 329 Sansome St.



Most Gratifying.

The unprecedented demand that has existed the present season for goods of this company's manufacture has been gratifying indeed. It has exceeded our carefully compiled estimates more than fifty per cent. During eleven weeks the orders received fairly "swamped us." But the result has been the making of "A New World's Record" in the manufacture of incubators, brooders, poultry foods and poultry supplies—a record this company has held during several years.

One Month's Output, Feb. 15—March 16. Cyphers Incubator Company now employs at its factory, home offices, mill, laboratory and branch houses more than four hundred persons—a small army! At the present writing, March 17, we are manufacturing

An Incubator Complete Every 4 4-5ths Minutes.

or an average of 126 complete machines during each ten-hour work day. Our record-day for February was 146 incubators in ten hours! Besides this our daily output of brooders (all styles) is now 102 per ten hours, or

A Complete Brooder Every 3 4-5ths Minutes

crated and ready for shipment. Furthermore, we turn out daily literally hundreds of smaller articles, such as drinking fountains, food hoppers, egg testers, brooder stoves, egg cabinets, brood coops, etc. These surprising results have been accomplished by the addition of costly machinery, the use of which not only has enabled us to multiply the output, but the exactness of all parts is such that hand work simply cannot compare favorably with goods of our manufacture. Each and every piece is certain to fit and fit right; taken together the various parts produce standard goods that are practically perfect in mechanical construction. When our present immense output is known and duly considered, the interested public can readily understand why it is that we are able to manufacture better incubators this year than ever before and to sell them at reduced prices, as set forth in our catalogue.

3,258 Incubators and
2,652 Brooders

In One Month!

That Was the Record
for the twenty-six work days
between Feb. 14 and March 17,

1905, besides 11,821 other separate and complete articles—exclusive of poultry foods and alfalfa products. (For report of Kansas City mill output for same twenty-six days, see opposite page.)

Despite the foregoing unequalled capacity we were at one time nine days behind our orders; hence on Monday, February 27 we began running our entire factory nights, thus increasing our output nearly 22½ per cent. By this means we were able to catch up with orders by Saturday, March 11th, and since that date have been steadily accumulating a safe surplus at Buffalo and at each of our branch houses.

PERMIT US TO SAY in this connection that we of course are greatly pleased with the very heavy demand that now exists for our goods. It fairly indicates the superb present condition of the poultry industry, also the wide-spread confidence in which the Cyphers Company's manufactures are held by the poultry public. We embrace this opportunity to express full appreciation, and to assure our thousands of friends and customers that we shall continue to do all in our power to merit their trade and confidence. At present we are in a position to fill promptly such further orders as are entrusted to us and we respectfully solicit a continuance of your liberal patronage. A word of caution: Be sure you buy the incubators and brooders you really want, and that you place your valued orders in the right hands, thus avoiding delay, disappointment and personal loss.

Not Second-Hand

—BUT—

Brand New,

1904 Style Cyphers Incubators.

We have on hand, left over from last fall, when our improved 1905-pattern machines were placed on the market, a full assortment (about 200 machines) of brand new 1904-style Standard Cyphers Incubators, that we shall be pleased to close out to first-comers at the following prices, f. o. b. Buffalo, or nearest stock depot:

- No. 0, (60-egg size) \$10.00.
- No. 1, (120-egg size) 13.00.
- No. 2, (220-egg size) 16.00.
- No. 3, (360-egg size) 18.00.

NOTICE, please, that the above described machines are not "second-hand incubators," built three, five and seven years ago, and used season after season but are brand new goods that were manufactured by us last fall—late in 1904. These Standard Cyphers Incubators have not been used at all. Furthermore, they are "the genuine article." Address all orders for these 1904 machines to

Cyphers Incubator Company,
Buffalo, N. Y.

Just a Sample—

Others Will Follow.

Norwalk, Conn., Feb. 123, 1905.

Cyphers Incubator Co., Buffalo, N. Y.

Gentlemen:—In response to your request that we allow you to photograph our incubator cellar, would say that we shall be only too glad to have you do so, as we feel proud of the fact that we have your incubators in place and all in perfect running order.

As stated to you before, we now have 84 of your No. 3 Standard Cyphers Incubators and they are giving perfect satisfaction. We are also glad to inform you that we have no cause for regret having requested you to replace the 12 "Model" Incubators, which we purchased last year, with 12 more of your Standard 1905 pattern incubators, which, in addition to the original order of 72, which I handed you last fall, makes as above stated, 84 machines, which is the full complement of our incubator cellar. In fact, we constructed it with the idea of placing therein 84 "Model" incubators, but after having operated them one season, decided that we could not afford to go back on the old original Standard Cyphers, which has stood me personally in such good stead while managing the Oxford Duck Farm, Yardly Duck Farm and the Ledgewood Duck Farm where I have been located for the past year. We expect to market this year 50,000 ducklings.

Yours very truly,

Edw. McFarland Mgr.

Send Today for Complete 1905 Catalogue and Guide.

(228 pages, 8x11 inches,) which fully illustrates and describes more than seventy "poultry requisites" now manufactured by us. Please mention this paper and address nearest office.

CYPHERS INCUBATOR COMPANY,

BUFFALO, N. Y., Court & Wilkeson Streets.
CHICAGO, ILL., 310 Fifth Avenue.

BOSTON, MASS., 26-30 Union Street.
KANSAS CITY, MO., 2325 Broadway.
119-125 Finsbury Pavement, LONDON, ENGLAND.

NEW YORK CITY, 21-23 Barclay Street.
SAN FRANCISCO, CAL., 329 Sansome Street.

Cyphers Incubator Co.

GRANT M. CURTIS, PRESIDENT.

Branch Houses From
Ocean to Ocean.

Buffalo, N. Y., U. S. A.

Goods Sold By More Than
7,000 Dealers.

Address Nearest Branch or Write us at Buffalo, N. Y., for Address of Near-by Dealer.

Pay Less Freight! Get Goods Quicker!

Buy Near Home!

World's Greatest Poultry Food and Alfalfa Mill:

Additional to our well-known, trade-marked, sealed-bagged brands of Laying Food (for heavy egg yield,) Forcing Food (for broilers) and Scratching Food (for growing stock,) we manufacture and control the justly celebrated

CYPHERS CHICK FOOD

A complete, ready mixed, balanced food for little chicks,

That consists of a widely-tested formula, based on expert analysis, and furnishes every element needed to properly nourish and rapidly develop bone, flesh and feathers. Our motto: "Quality first; price as low as we can make it". The extraordinary cost of wheat and other grains the present season positively will not affect either the quality or price of our trade-mark brand of chick food: On this you can rely—Cyphers Chick Food is today the Standard, and we shall keep it so, despite the present high prices of grain.

THIS IS THE YEAR when poultrymen will profit greatly by our resolve to keep up the quality and keep down the prices of our poultry foods. The cost of wheat, for example, is nearly twice what it was when the prices of these poultry foods were fixed four years ago, but the establishment of our large and perfectly equipped poultry food and alfalfa mill at Kansas City, Mo., the chief primary grain market of the world, the use of special machinery installed at heavy cost and the shipment of goods in car lots at lowest freight rates, have enabled us to partly offset the large increase in the prices of raw materials and thus keep the quality the same, (as a matter of fact we have improved it) and to still sell at the same prices as heretofore. On your part we ask that you do us the justice to compare our chick food with others on the market—not with samples, BUT WITH ACTUAL SHIPMENTS.

OUR KANSAS CITY MILL manufactures nothing but poultry foods and clover and alfalfa products—no breakfast foods nor ordinary stock foods. From us every customer will receive absolutely sound, cleanly cut, dust-free grains, not by-products, waste materials and sweepings that remain after putting the better parts of the grains into other foods. We buy for this special purpose every bushel, every ounce of grains and seeds we use! That is why Cyphers Chick Food is the Standard.

It makes chicks healthful; being scientifically balanced (by analysis); it aids digestion and thus prevents diarrhoea and howel trouble.

It makes chicks grow, because it is compounded by experienced poultrymen who have spent the greater part of their lives in the business of raising chickens.

It makes chicks feather right—no ragged plumage, drooping wings and death-marked, weary-looking chicks, because the feather-making material is in this food in correct proportion. The best known and most successful poultrymen in the country now use and publicly endorse Cyphers Chick Food. This fact proves its high utility value.

Here are 3 sample letters of endorsement

Furnishes Bone, Muscle, Blood, Flesh and Feathers.

Iowa Falls, Ia., Oct. 13, 1904.

Cyphers Incubator Co., Buffalo, N. Y.

We feed Cyphers Chick Food and Beef Scraps and could not afford to be without the Chick Food. The men who "thought out" this mixture of seeds and grains have made it easy for every poultry raiser to solve the problem of successful chicken rearing. It meets all the requirements of the growing chick—bone, muscle, blood, flesh and feathers. Yours respectfully, THOS. F. RIGG.

Her Pullets Were Laying at Five Months Old.

Stockton, N. J., Oct. 11, 1904.

Cyphers Incubator Co., Buffalo, N. Y.

I have used your Chick Food, Forcing Food, Beef Scraps and Cut Clover, and I will say that I will never try again to raise chicks without these foods, for my chicks were never finer. My Plymouth Rock pullets were laying at five months old, and they were as pretty as pictures. MRS. W. R. MICHENER.

Hatched Seventy; Raised Seventy; Lost None.

Charleston, S. C., Aug. 2, 1904.

Cyphers Incubator Co., Buffalo, N. Y.

I bought from your agent here your Cyphers Chick Food, and fed nothing except that until my chicks were eight weeks old. Out of 70 chicks hatched I have raised 70, not losing a chick. They are now going on six months old, pullets pretty near ready to lay. H. WILBUR.

Be Careful Where You Place Your Orders.

The following explains why you should be careful, unless you wish to risk delay, disappointment and personal loss:

Cyphers Incubator Co., Buffalo, N. Y.

Randolph, Mass., Feb. 21, 1905.

Gentlemen:—I have worked hard for the last three years to build up a broiler and roaster business, buying a Cyphers Incubator each spring. Thinking I would get out a few more broilers than usual, and seeing an advertisement of the New England Agents for the Model Incubator, announcing "six Cyphers Incubators for sale cheap," I sent them \$18 Jan. 13th. They promised to ship at once. I had a batch to put down on January 25th—but no machine. I sent them word and got no satisfaction. I lost this hatch and still I heard nothing from them, but they were advertising "CARLOADS OF CYPHERS INCUBATORS," yet could not furnish me with one. To this date I have not heard from them, or my money either. It seems to me that if they cannot meet fair competition without trifling with the public they should be shown up in our magazines. They tried to sell me a "Model" but "I WANT A CYPHERS," as I have tried a few others myself. Can I buy of you a Cyphers machine, (360-egg size) at a reduced rate, having paid your full 1904 price for my last one? It will be hard for me to make up lost time. Yours respectfully, A. F. ALDRICH.

As a result of the above treatment, Mr. Aldrich sent us an order for a No. 3, 1904-style, hand-new Cyphers Incubator, price \$18.00. In his letter of date Feb. 27th, which contained this order, Mr. Aldrich states:

"I have not heard from my money as yet. I am going to see them March 1st and demand the return of my money."

Free Samples, will be sent by mail, postpaid, to any address. Ask nearest office. Sold by hundreds of agents and dealers located in all parts of the country, many of whom buy in car lots. Write today for name and address of agent nearest you, thus obtaining the Genuine Article and saving time and freight charges. Cyphers ready-mixed poultry foods (Chick Food, Laying Food, Scratching Food and Forcing Food) are put up by us in sealed bags, bearing registered trade mark. See that seal is not broken. Accept no substitute. We challenge comparison and guarantee results when directions are followed. Sixteen-page booklet, entitled "Foods and Feeding" in every page telling how to feed. Please send for free sample, by mail, postage paid.

Six Places of Business. To facilitate the better handling of our business and to SAVE OUR CUSTOMERS TIME AND MONEY, we maintain six places of business, shipping to each branch house in car lots. Inquiries and orders sent to any of these offices will receive prompt attention. All goods will be SHIPPED FROM STOCK DEPOT NEAREST YOU, thus saving you TIME AND FREIGHT CHARGES.

Our 1905 Catalogue is the largest and finest book we have issued. Consists of 228 pages 8x11 inches in size. Contains six Special Chapters on profitable poultry keeping. There are more than 450 illustrations, including latest portraits of 150 best-known authors, judges, fanciers, editors, professors of poultry husbandry and owners and managers of the world's largest and most successful poultry plants. One hundred and twenty pages devoted to an illustrated description of the Cyphers Company's exclusive manufactures, more than 70 valuable poultry specialties. WILL BE SENT FREE, postpaid, to every reader of this advertisement who will send us his name and the names and addresses of two friends or acquaintances who are interested in poultry for profit. Please mention this paper and address nearest office.

CYPHERS INCUBATOR COMPANY,

BUFFALO, N. Y., Court and Wilkeson Streets.

BOSTON, MASS., 26-30 Union Street.

NEW YORK CITY, 21-23 Barclay Street.

CHICAGO, ILL., 310 Fifth Ave.

KANSAS CITY, MO., 2325 Broadway.

SAN FRANCISCO, CAL., 329 Sansome St.

119-125 Finsbury Pavement, LONDON, ENGLAND.

For Your Face's Sake

use nothing but the famous, old reliable, soothing and healing

WILLIAMS' SHAVING SOAP

Sold everywhere. Free trial sample for 2-cent stamp. Write for "The Shavers Guide and how to Dress Correctly."

The J. B. Williams Co., Glastonbury, Conn.

ALWAYS SURE WINNERS!

9612 and 95 Single Comb White and Brown Leghorns; 98 Pekin Ducks. EGGS \$1.00.

MRS. M. E. NIBBE, 9003 Normal Ave., Chicago, Ill.

Asthma

CURED TO STAY CURED.

Attacks stopped permanently. Health completely restored. No return of symptoms after treatment ceases. Throw away "Reliefs." Be cured in the right way. Good appetite, sleep well, do anything, go anywhere. 58,000 patients. BOOK 58¢ FREE.

P. Harold Hayes, Buffalo, N. Y.

Walter Hogan found out how to pick the hens that lay and those that don't; the pullets that will lay and those that won't; the cocks and cockerels that will breed the best laying strains.

Would you like to be able to select all the good hens in your neighborhood—the layers? Would you like to weed out of your flock hens that don't lay?

The Walter Hogan system teaches you how. It is worth hundreds of dollars to every poultryman—thousands to some. We sell it at a price all can pay. We give a guarantee that makes you safe—your money back if we do not "make good"—and sixty days to test the system. Write today for full particulars to the Walter Hogan Co., 17 National Bank Bldg., Fergus Falls, Minn.

IT CURES ROUP



I personally guarantee that

Eclipse Roup Cure

will positively prevent and cure all forms of roup, canker, "swelled head," catarrh, colds, discharges from nostrils, etc. in poultry of all kinds. If you don't find it entirely satisfactory you get

Your Money Back.

No trouble to use—simply put it in the fowl's drinking water. One package makes 20 gallons of guaranteed medicine. Use it now and prevent colds and sickness. Price 50¢.

I pay the postage. Send to-day. Agents wanted.

J. S. GILCREST,
Box 50,
Des Moines, Iowa.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Although not a subscriber to your publication, I purchase it regularly at the news stand and take much pleasure in reading the good things it always contains, but occasionally there is an article which, it does not seem to me, is borne out by the facts. Such a one appears in the March issue of your journal at page 245, entitled "How to Make \$900 per Year From 400 Hens," which appears to be rather misleading.

Before taking up the consideration of this article, let me say that I am engaged in the poultry business and have been, to a greater or less extent, for a good many years, having now a suburban ten-acre place devoted almost exclusively to poultry. I look entirely to the market for my revenue, leaving the fancy to the fancier. I now have a trifle less than one hundred laying hens, but hope to have five hundred another season.

Now, as to the article in question which is based upon the possession of 400 hens: The writer says that from this number of hens one should get 6,100 dozen eggs per year, allowing six months in the year for molting, rest, etc., thus leaving six months for the production of the 6,100 dozen eggs. Now a moment's computation will convince one that in order to get this number of eggs, every hen must lay every day during that six months.

I will admit that the gentleman is conservative in the estimate of the time allowed for molting, rest, broodiness, etc.; in fact I think perhaps four months would cover, or could be made to cover that period. But even allowing the hens eight months in which to produce the stated number of eggs, each hen must lay 183 eggs in approximately 240 days.

Now, in a flock of 400 hens, possibly 100 will do this; another hundred might lay 150 eggs each; another hundred, 100 eggs each and the balance 75 eggs each.

I know the 200-egg hen is a possibility; in fact, I believe she exists in any number, and I also know that my careful selection from year to year, trap-nesting, etc., the laying qualities can be increased, but I do not believe that with any flock of 400 hens, no matter how carefully selected for layers they may be, they will average anything approaching 183 eggs per year per hen. I think 125 eggs per year per hen would be a most fair estimate.

The estimate of the number of eggs reserved for hatching, the number of chicks hatched and the number raised to maturity is conservative and with it I have no fault to find; on the contrary I believe more chicks could be hatched, even with hens, than the gentleman allows in his estimate, for if one-half (200) of the hens incubated, and each had an average hatch of four chicks, the number given (800) would be realized. If this number were hatched with incubators, of which only 500 were raised to maturity, the proposition would be a losing one, for you cannot suffer that mortality with incubator-hatched chicks and come out even. A little figuring will convince any one of the correctness of this statement. One hundred dozen

CHAS. E. HOMPSON & Co.
LYNNFIELD CENTER, MASS.

See ad on page 368.

White Wyandottes.

Light Brahma Bantams

D. Lincoln Orr, Orr's Mills, N. Y.

Rose Comb Brown Leghorns

High class exhibition and breeding stock and eggs for hatching for sale at reasonable prices. Write your wants to

GEO. F. HOFFMANN,
Cuba, Wis.

White Wyandottes

Winners at Hagerstown, Md. 1903 and 1904.

M. E. ROSE, Tacoma Park, D. C.

COCHIN BANTAMS Black, White and Buff.

Seven first prizes at Madison Square, 1904.

DR. WILLIAM Y. FOX, Taunton, Mass.



NEW POULTRY CUTS

For 1905 we have many new illustrations of pairs, trios and single birds. Our new catalogue shows all. Send for it today. I also breed B. P. Rocks—Eggs for sale.

Chas. L. Stiles, 921 Mohawk St., Columbus, O.

CHAS. E. HOMPSON & Co.
LYNNFIELD CENTER, MASS.

See ad on page 386.

POULTRYMEN AMAZED

SOMETHING NEW—STARTLING DISCOVERY.

Kills Gapes in Little Chicks in one minute without use of drugs or tweezers. Saves your poultry and pays for itself in one hour's time. Farmers' wives delighted. Delivered on receipt of \$1. Money back if it does not do all we claim for it. Highly endorsed.

PROF. LE DANE

Dept. 2, Hagerstown, Md.

Junior Dandys

Dandy Junior Incubator

Has no equal for the price either in construction or hatching qualities. It is complete. Triple walls, (not single) full height legs, brass water jacket lamp with best hinge burner, Taylor Bros.' best incubator thermometer, compound double disc regulator, copper boiler and pipes, instructions for operating, etc. Just the machine for beginners to use.

Dandy Junior Brooder

Broods chicks just like old "biddy;" in appearance it resembles the regular Dandy Brooder. May be used in or outdoors or as a colony coop. Complete with hover, removable heating apparatus, brass water jacket lamp with heavy non-chimney brooder burner, feed room, drinking fountain, heavy waterproof roof with skylight, thermometer, feed room, top screen, runway, instructions, etc.

Prices of Incubators

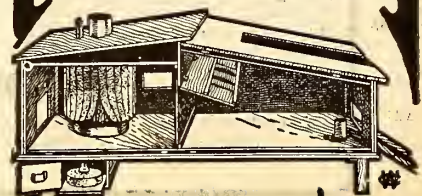
60 egg, warm air	\$ 6 00	Warm water	\$ 7 00
120 " "	" 8 00	" "	" 9 50
200 " "	" 10 50	" "	" 12 00

Prices of Brooders

50 Chick, 24 x 50 inches	\$6 00
75 to 100 chick, 28 x 60 inches	\$8 00
60 egg incubator either style with brooder	\$11 25
200 " " " 2 brooders	25

Junior Dandys are sold on 60 days trial. Will give you satisfaction and save you money. Free catalog tells why you should buy Dandy Poultry Novelties. Write for it right now.

The Dandy Poultry Novelty Co., Box 23, Danville, Ill.



eggs are worth \$25. It will take five 240-egg incubators to hold them. Each incubator will consume during the process of incubation 7 gallons of oil or a total of 35 gallons, which, at 20c per gallon, amounts to \$7. The 500 chicks will, therefore, cost, hatched, \$32 or 4c each, not counting labor. If this number dwindles to 500 chicks, the cost, including feed, oil for brooders, etc., will average pretty close to 10c each by the time they are three weeks old. From this time on to the time they are broiler size, their feed will cost 15c per chick additional, or a total of 25c each by the time they are ready to market. If marketed at \$4 per dozen (which is the average price here), the margin of profit is practically nil. This estimate is made on the supposition that all feed has to be purchased. Of course if you raise your own grain or a larger portion of it, the cost can be reduced somewhat.

As a part of the profits from these 400 hens, the gentleman contemplates the marketing of the entire 500 chicks raised at 40c each, but he has made no provision for his layers for the coming year (a very necessary provision as it seems to me) and it must be borne in mind that this selection must go on from year to year, selecting the most promising and earliest-maturing pullets for the next year's layers; otherwise the profits to be derived from the sale of eggs will be reduced to a minimum. Of course some of the 400 hens which have proved themselves to be superior layers, will be kept over for breeders, but if one is to select, say 300 pullets every year with which to make up his laying yards, he will have to hatch more than 800 chicks and raise more than 60 per cent of them if he would keep the number of layers up to 400.

Altogether, I think the article and the estimate of profit given therein, misleading inasmuch as, according to the gentleman's figures, it gives a net profit of \$2.25 per hen per year, a profit which I think possible, but by no means probable. Yours very respectfully,

J. D. STEVENS.

Denver, Colo., March 16, 1905.

Here is a method for treating scaly-legged fowls, the credit for which belonged to the late A. A. Pittuck: Take a quart can full of lard, coal oil and crude carbolic acid, and set the can in an old bucket, piling hot ashes and some coals around it. Then, with a swab made by wrapping rags on the end of a stick, proceed to the hen house, and holding each perch over the bucket, sliding it along as you grease, completely fill every crack and crevice with the mixture. The lard cools rapidly, leaving the perch very greasy, and the legs of the fowls roosting on such perches look very bright and clean. It serves a two-fold purpose, ridding the perches of lice and preventing scaly legs.

Prof. W. P. Wheeler believes that early molting is largely an individual characteristic, and can be secured by selection in breeding.

C. O. Brown says bacteria and germ troubles would be less talked about if a proper degree of cleanliness was observed.

CHAS. F. THOMPSON & Co.
LYNNFIELD CENTER, MASS.

See ad on page 368.

LEE'S EGG MAKER AND CHICK GROWER



Should be fed to little chicks after they are two weeks old. It strengthens, builds and brings them to maturity in one-third the usual time. Furnishes bone and sinew and assists digestion. It makes

PULLETS LAY EARLIER

than if they did not receive it.

Mr. Otto Weiss, of Wichita, Kansas, says: "First hatch came off Jan. 13; got eight chicks out of ten eggs. First pullet laid her first egg May 1; others between May 13 and 20. This beats all records I ever heard of. Hatched 200 chicks this season and did not lose one. Used Lee's Egg Maker for both young chicks and old hens. Some hens were laying even while hovering chicks."

It pays well to use Lee's Chick Grower during summer months. The profit in raising chicks is in getting them to maturity quickly. Lee's Chick Grower puts them on a profit-paying basis better, quicker than anything else.




BOWEL COMPLAINT

In summer bowel complaint is the scourge of the poultry raiser — where most of the profit goes. If you watch for FIRST INDICATION of this disease and use LEE'S GERMOZONE you can save all chicks afflicted with bowel complaint and prevent the spreading of the disease. If you let it run, or don't take it in time, you lose them. Sold by dealers or mailed on receipt of 50c.

GEO. H. LEE CO., BOX 91, OMAHA, NEBRASKA

LEE'S GERMOZONE

1882 1904

HOLYOKE'S

Exhibition birds. Utility birds. Prices reasonable. Eggs in season.

J. E. HOLYOKE **ADRIAN, MICH.**



POULTRY SUPPLIES

of every description. Prairie State, Empire State and Star Incubators and Brooders; Drinking Fountains, Wire Netting, Spray Pumps, White Washing Machines, Powder and Liquid Lice Killers, Roup and Cholera Cures, Condition Powders, Egg Foods, Oyster Shells, Beef Scraps, Dog Cakes and Medicines, and everything necessary for breeding poultry and pet stock. Our immense illustrated catalogue gives complete list. It is free; send for one.

Excelsior Wire & Poultry Supply Co., Dept. O, W. V. Russ, Prop., 26 & 28 Vesey St., N. Y. City



The Gaines' White Ply. Rocks

BRED TO WIN—AND DO IT

We offer a prize of \$50 in gold for best pair, (cockerel and pullet) Free circular which explains, on request. The Gaines White Rocks won at Charleston, S. C., Nov. 21 to 26, 1904. Pullets, 1st, score 974; 2d, 954; 3d, 954; tie 4th, 943; also 3d pen. Male birds all in bad feather. Eggs for hatching but no stock for sale till fall

E. H. GAINES, Prop., GAINES' POULTRY YARDS, GAFFNEY, S. C.

ROSE COMB WHITE LEGHORNS

...EXCLUSIVELY...

EGGS FOR HATCHING St. Louis World's Fair, New York and Chicago prize winners. Cream of the country. Send for catalogue.

ROCKY RIVER POULTRY CO. 5931 Superior St. Chicago, Ill.

EGGS--Hahne's Light Brahmas--EGGS

We are this year offering eggs from nine grand matines. Our birds won 16 out of 21 regular prizes at the big Webster City show in January, 1905; also grand silver cup for best display in Asiatic class, 108 birds competing. Send for beautiful illustrated catalogue free! EGGS \$3 for thirteen, \$5 for twenty-six. For incubator eggs \$10 per hundred.

FRED HAHNE

517 Webster St., Webster City, Iowa

CHAS. F. THOMPSON & CO.

LYNNFIELD CENTER, MASS.
See ad on page 368.



OUT PRICES ON ALL LEADING varieties poultry, eggs, pigeons, hares, canaries, guinea, plovers, etc. Finest catalogue worth dollars mailed for 8c., or write your wants, I can please you Common pigeons wanted.

P. C. SHELLY
4-05-1 yr Box G, Florida, Pa.

High-Class Light Brahmas Only

Do you want EGGS for hatching from Light Brahmas with nice pea combs, large frames, broad backs, standard wings, solid black center in hackles, heavy toe feathering and nicely laced tail coverts, at \$3 per 15, \$5 per 30, or \$6 per 45. Also a few choice youngsters at prices that are right. Satisfaction guaranteed. No catalogue. Write to
HY. J. BARNETT, Box 4, Winamac, Indiana

S. C. BROWN LEGHORNS

BRIGHT STRAIN. Large, vigorous, farm raised cockerels scoring to 93, \$1 to \$2 each. EGGS \$1 per 15. Incubator eggs \$4 per hundred.

F. W. CUSTER Route 1, Pontiac, Ill.

SINGLE COMB W. LEGHORNS

Record winter layers of large white eggs. The breed that lays is the breed that pays. EGGS \$1 per fifteen, \$6 per hundred.

WHITE STAR POULTRY FARM, South Amboy, N. J.

The Star Poultry Farm

The World's Most Profitable Variety

SINGLE COMB W. LEGHORNS

After eighteen years of careful mating I have the finest lot of Leghorns ever bred to win as well as to lay. They have the size, color and shape. My birds lay more and larger eggs than any other strain. Eggs from the best pens \$2 per 15, \$7 per 100. Give us an order and be convinced.

H. C. HAUSER 633 W. 62d St., Chicago, Ill.

SUNFLOWER SEED IS VALUABLE TO THE POULTRYMAN.

What will help to make hens lay in the winter time is always an interesting question, not alone to the man who makes chicken raising his specialty, but to the farmer as well, and many are the firms that are doing a nice business selling various preparations which are claimed to bring about this desired result.

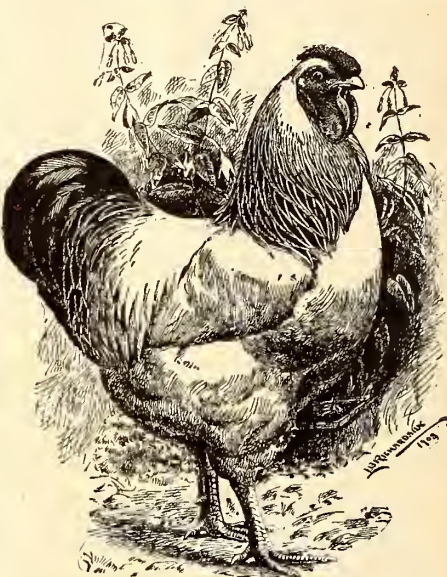
It has been our good fortune to make the discovery that the Creator in His infinite wisdom has furnished us with a plant easily grown and which is a good yielder anywhere in the United States, the seed of which we have found when properly fed certainly increases the egg production; and what we believe to be of equal importance is one of the most valuable aids to the fowls during the moulting period. Our attention was attracted by the birds eating sunflower seed purely by chance, and the discovery thus made was followed up by experiments which fully demonstrated what we now proclaim for the benefit of our poultry brethren.

Some years ago we raised a small patch of sunflowers into which one pen of hens were allowed to run, and as the seeds ripened and fell out were quickly picked up by the birds which at that time had just started to moult. This particular pen moulted in half the time required by those not having the seed and new feathers came in quickly and were more glossy and of better texture than the others; these were stronger and commenced to shell out eggs long before, and in greater numbers than those fed in the ordinary way. A narrative of our various experiments, while it might be interesting, we do not think has a place here, so we will simply state results.

Sunflower seed, giving a full feed four times a week, at the same time using other grain sparingly during moulting time, will bring the birds through in half the usual time, with better plumage and in better health than by feeding linseed meal, cottonseed meal or any other preparation we have ever seen or used, and it is nature's provision—noth-

ing artificial about it. We do not believe in feeding "dope" of any kind. Used as an egg food, care must be taken as the seed is fattening and if fed heavily will throw the fowls into a second moult, which, of course, would be serious. For this purpose we get satisfactory results by giving one full feed of the seed twice a week during the winter time. What we mean by "a full feed" is a handful for each bird.

Now sunflower seed is too expensive



COLUMBIAN WYANDOTTE COCK.

Bred and owned by Hazelmere Poultry Yards, Knightsville, Cranston, R. I.

if you are obliged to buy it, to be used for chicken feed, but it is easily raised and yields as good or better than corn. So most everybody in our business may produce their own. Of course, this does not include our brother of the "city lot plant," who has no room to raise anything but chickens and not much room for that. We plant like corn in checkrows, so that the field may be cultivated both ways, thus avoiding hoeing, which would be necessary if planted

THE ELGIN KING STRAIN OF SINGLE COMB WHITE LEGHORNS

Winners again at the Elgin Show, December, 1904. Won 1st cockerel, scored 95; 1st pullet, 95½; 1st hen, 95; 1st pen, 190 by Chas. McClave. Cockerels, pullets and yearling hens for sale. Eggs for hatching. Write for catalogue and mention A. P. J.

W. L. FERN

ELGIN KING POULTRY PLANT

Elgin, Illinois

Bronze Turkeys

Have you bought that breeding Tom or those hens you need to infuse new blood in your flocks? You want the best obtainable, so why delay the matter? At

MADISON SQUARE GARDEN, NEW YORK

January 3 to 7, 1905, I exhibited eighteen turkeys, winning eighteen prizes, viz.: Two firsts, five seconds, six thirds, and five fourths. At

ST. LOUIS WORLD'S FAIR

three first prizes, two seconds, one third, two fourths, two fifths, two sixths, two sevenths, and Silver Cup for best display. What better proof do you want as to quality of my turkeys? I have 200

CHOICE BREEDERS yet to SELL.

EGGS FOR HATCHING \$5 PER 11

I have mated up twelve different flocks, each one headed by a prize winning Tom, six World's Fair winners and six New York winners, all hens being of the very best, among which is over 30 prize winners. Am booking orders now, which will be filled in rotation.

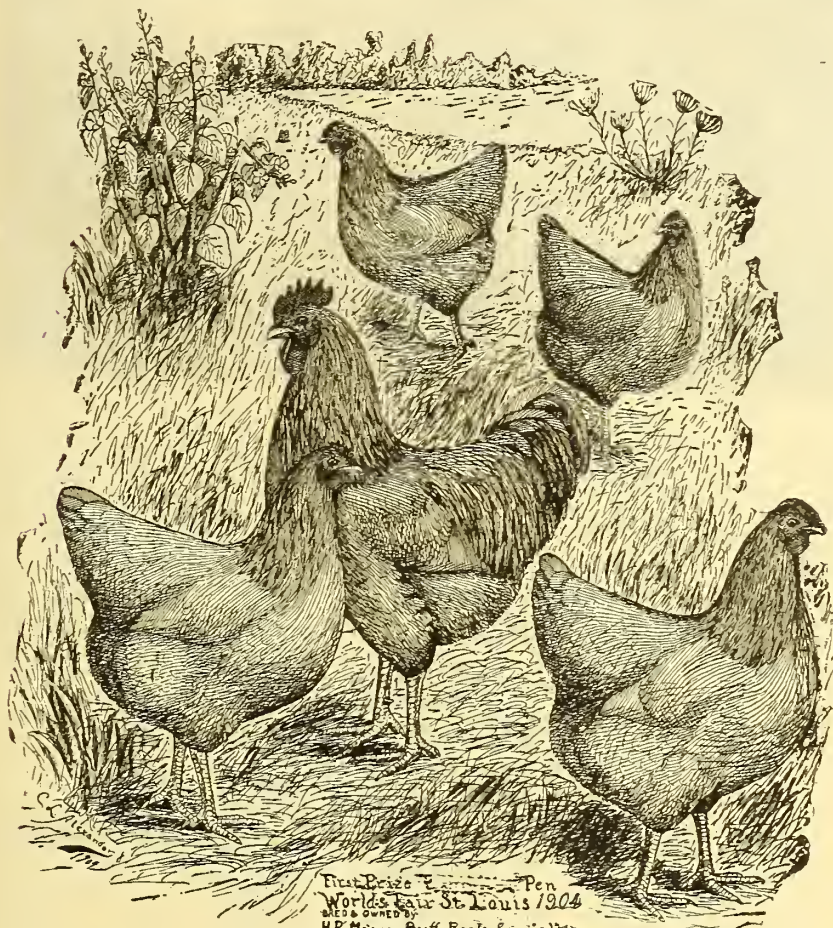
MRS. U. R. FISHEL

Box A, Hope, Indiana

one way only. After the plants have grown about one foot high we go through and cut out the weaker ones, leaving but one good strong plant in a hill. This is important, as they will not do well if grown together. They should be cultivated until about waist high, when they will take care of themselves until harvesting time. Where large quantities are grown, the heads may be cut off when ripe and run through a threshing machine the same as beans, but where one or two acres only are to be taken care of a very good method is to cut the heads when the

to hustle to fill the orders this coming spring. Sunflowers are valuable in many other ways. The seed is sold in cities for parrot food and put up in neat packages brings fancy prices.

The stock contains a fiber from which rope is made. They also contain a pith which is excellent material with which to make life preservers. The corona or bloom furnishes an oil used as a consumption cure and which is now being imported from Russia at a cost of 60 cents per ounce, and if you want some nice kindling wood just cut up the dry stalks into stove lengths and see what a



First Prize Pen
World's Fair St. Louis 1904
BRED & OWNED BY
H. P. MASON, Buff Rock Specialist
Fayette, Missouri.

BUFF PLYMOUTH ROCKS.

First prize pen World's Fair, St. Louis, 1904. Bred and owned by H. P. Mason, Fayette, Mo.

seed is dry and nearly ready to fall out, leaving about six inches of the stock on for a handle, and knock the seed out by striking the back of the head (not yours) with a stick. If done at the proper time one or two good raps with the stick will send all the seeds flying out and a good worker can thresh an acre a day. The seed should then be spread out in the sun and frequently turned until thoroughly dry, when they may be run through a fanning mill or winnowed in the old fashioned way, and stored the same as any grain. Last year we supplied seed to poultry raisers in every state in the union and had many orders from Canada, and from the many letters we are now receiving from interested parties it is inferred that we will have

quick fire you can build some cold morning in winter. EDDY & EDDY, White Rock Poultry Farm, Manheim, Ill.

H. W. Collingwood says a bushel of wheat, costing 90 cents, will feed a hen for 300 days. If she lays 100 eggs worth two cents each, she will increase the value of the wheat to \$2.00, which is enough to haul one ton of freight 250 miles, or to haul one passenger 80 miles. After she has done all this she will return 25 cents' worth of the fertilizing value of the wheat to the soil for another crop.

A Brahma is always sharp-breasted unless it is hog-fat, while a Leghorn may be comparatively poor and yet have a plump breast, says Farmers' Voice. The difference is caused by the habits of the two breeds.

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.
See ad on page 368.

Agents
wanted.
Liberal
inducements.



Your Fowls are Sick

Moping, sneezing, rattling in their throats, eyes swollen, breathing with difficulty. You are losing them by dozens. That is Roup—The scourge of the poultry yard—as infectious as diphtheria.

**CONKEY'S
ROUP CURE**

is guaranteed to cure. Placed in the drinking water it kills the germ and cures without effort on your part. Order now and be prepared. If your Druggist or Poultry Supply Dealer has not got it, send direct to us. Post-paid in 50c and \$1.00 packages. It prevents as well as cures Colds, Roup, Canker in chickens, turkeys and pigeons. We refund your money if it fails. Beware of imitations. None so good as Conkey's. Our book on poultry diseases FREE.

G. E. CONKEY & CO.
Box 52 Cleveland, O.

Pacific Coast Agents,
Petaluma Incubator Co., Petaluma, Cal.

Didriksen's Rose and S. C. Black Minorcas
won 12 premiums at World's Fair, St. Louis, including 1, 2 and 3 Rose Comb cockerels, winners at Chicago and other large shows. Eggs from World's Fair matting, \$5 per setting; regular pens \$3. Stock for sale.
A. DIDRIKSEN, Whitewater, Wis.

BLUE BARRED P. ROCKS

Winners that go to the front. At Humeston, Dec., 19-23, '04, 1st ckl., 93; 2d pullet, 92½; 3d pullet, 92½; 1st pen, 185½. W. S. Russell, Judge. At Webster City, Jan. 9-14, '05, 1st ckl., 93; 1st pullet, 94½; 2d pullet, 93½; 3d pullet, 93; 1st pen, 186½. I. K. Felch, Judge. Send for printed folder giving description of 1905 matting. Eggs \$3 per 15, \$5 per 30.

J. M. HOLT, Lock Box 124, Marshalltown, Iowa

BROWNIE \$5 BROODER

The best mother an orphan chick ever had.

Write for descriptive catalogue.
BROWN BROODER CO. 613 S. 6th St., St. Louis, Mo.

KULP
Send for catalogue. See how my
LEGHORNS, Brown and White Rose & Single, White Wyandottes, Barred & Buff Rocks
Lay to 242 eggs a year and win.
W. W. Kulp, Box 70, Pottstown Pa.



Sharple's Tubular Separators

WILL you buy a separator because the agent is a "good fellow"? Some people do. We hope such will read this. The Tubular talks for itself and is bought for itself.

If You Have a Brand New Separator not a Tubular, put it in the garret.

We will sell you a Sharple's Tubular, guaranteed to make enough more butter than the other from the same milk to pay 25 per cent yearly dividend on the whole cost of the machine. You test them side by side.

Pierpont Morgan is hunting a place to put money at 6 per cent; here is a guaranteed 25 percent to you. While this dividend pays your bills the Tubular makes your life more pleasant by pleasing your wife. A waist low milk vat saves your back.

Simple bowl—easy to wash—the only one that is so. Automatic oiling; the only one that has. Easier to turn than others and safer. Catalog A-205 explains better.

Sharple's Co.
Chicago, Illinois

P. M. Sharple's
West Chester, Pa



BUFF ORPINGTONS WYANDOTTES INDIA RUNNER DUCKS

Eggs guaranteed, unusually low prices. Send for price list, free.

A. EDWARD GREEN CO.
Box A, Morgan Park, Ill.

SEND FOR FREE SAMPLE
...VIRGO POULTRY FOOD...

Not a mixture, but a pure, unadulterated feed, ground from virgin pure seeds designed by nature for the poultry yard. Contains all the ingredients used in egg making. Insures virility in the brood cocks, prevent disease by keeping the poultry healthy and vigorous. It will pay you to see sample.

PETTELL BROTHERS CO. Station D, Milwaukee, Wis.

BUFF P. ROCK EGGS

From Buffs that are buff, not the pale, washed out kind. Nugget strain, \$3 per sitting.

F. WHALEY, Appleton City, Mo.

IN THE EYES OF THE WORLD.

Canada's best S. C. B. Leghorns won more prizes last season at world's greatest shows than all other exhibitors combined. Profusely illustrated catalogue and mating list on request.

NATE K. CORNWALL, Thamesville, Ont., Can.

ORVILLE D. CHINN

Specialty breeder of Black Breasted Red Games. The exhibition kind of finest quality. Write me for prices. Kehoe, Ky.



WHITE AND BROWN LEGHORNS, Single and Rose Comb, prize birds scoring 93 to 94, cocks and hens. Eggs \$1.50, \$5 to \$8.00 per 100. Incubator chicks \$8 to \$15 per 100. Safe delivery guaranteed.

C. A. OSBORNE

4-1 Box A, Roscoe, Ill.

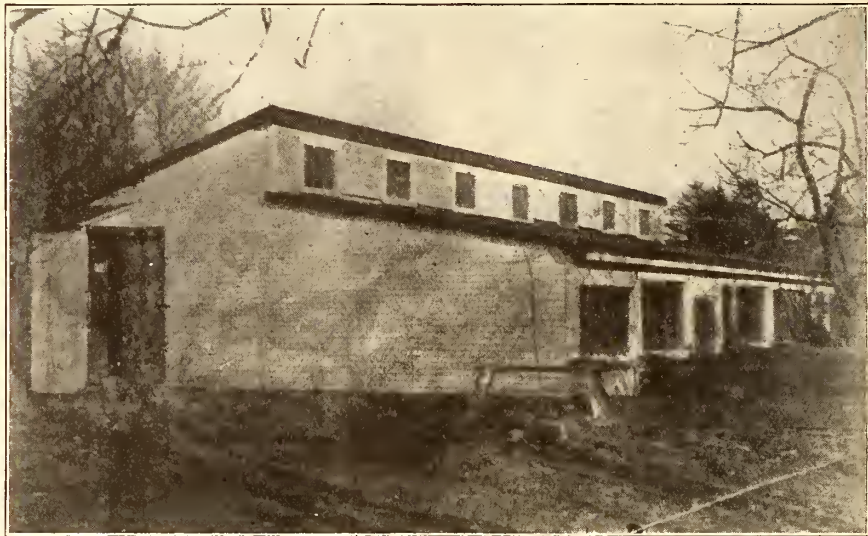
CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

DESCRIPTION OF WM. M. GUTHRIE'S CHICKEN COOP.

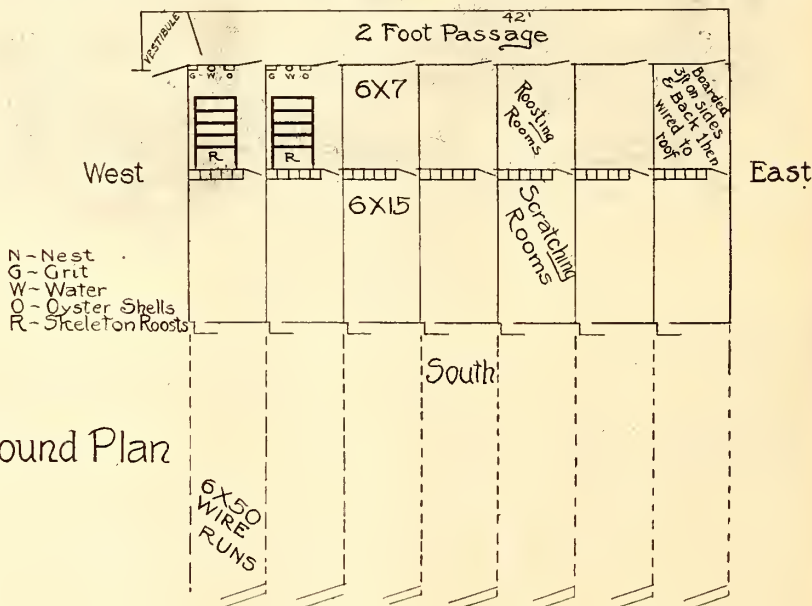
In presenting the design and data of my coop, will commence by saying it is original in its entirety, although being to a great extent composite of innumerable plans. My desire was for a practical house in all kinds of weather, and am

The partition between the roosting and scratching pens is matched pine. The roosting part is double lined with matched lumber with dead air space, except the scratching partition. The scratching room is only lined on the two end walls, although my intention is to eventually line the roof. There is a wooden partition two feet high be-



thoroughly pleased with the results. Lumber being high, economy was practiced as far as possible, but not to any detrimental stage or in any way to cheapen the looks of the structure. The framework was sized 2x4 and 2x6, the casing outside of good Georgia pine, costing \$26 a thousand. The roof boards were matched pine at \$22 a thousand, covered with the best four-ply roofing felt. The

tween the pens except at back where the passageway is, this being three feet high. One-inch wire mesh is used for separating the pens above these boards. Each pen has a cockerel or conditioning pen with floor space 4x2½ feet, wire being used on three sides, with a slat door. Clay was filled in the coop until the floor was two feet higher than the outside; water was poured on and the

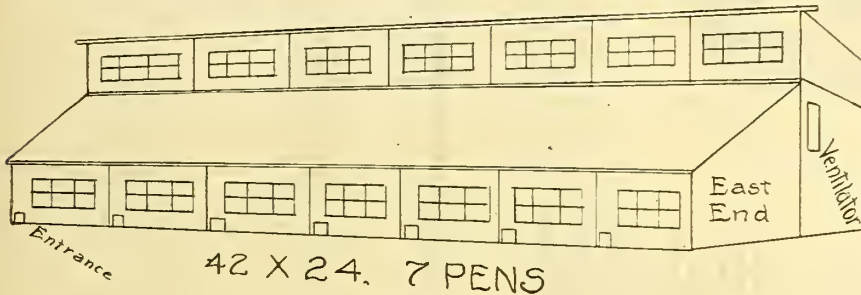


location being selected, we (the carpenter and the writer) built a stone foundation one foot wide and two feet high, forty-two feet long by twenty-four broad with another foundation running through the middle where the roosting and scratching parts were joined. Upon these we placed our bottom plates of two thicknesses of 2x6 stuff. The up-rights were 2x4 placed two and one-half feet apart, the roof being the same.

surface was pounded until it became hard. The roosting section was only filled in 18 inches, the remaining 6 inches being lake sand. The perches are 2x1 inch, rounded edges, and are hinged 18 inches from the ground to the partition, the back supports also being hinged, so that in the daytime the whole roost can be hooked to this partition, and as the supports collapse they do not protrude so as to injure an attendant or offer any

inducement for the birds to fly up and roost on them. The nests are in the scratching room; the water cans and grit boxes being in the other. The mash trough is suspended to the rafters when not in use. The passageway is boarded 3 feet from the bottom and then wired to the roof. To avoid any draft, burlap is tacked on from the top of these boards upward of three feet, as well as the wired part between the roosting pens; this burlap is a great aid both in minimizing colds and preventing the males from fighting between the wires. Note vesti-

is no sudden change at night, insuring immunity from colds in this respect. The birds have a wallowing space of 6x7 with a bath of dry ashes; it is used daily and a louse has a hard time of it in my coop. The doors of the passageway have been opened all day this winter except part of two days when the snow was drifting in. This is a grand feature, especially when the draft is entirely avoided. In summing it up, it is a thoroughly practical house in every respect—lots of good fresh air and devoid of dampness, these being, in my estimation,



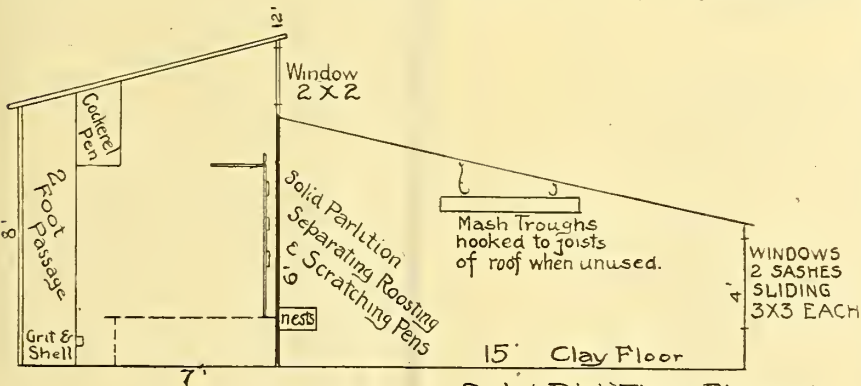
East Entrance South View
Storm door protecting each entrance
so no direct draft strikes the scratching pen

buled entrance facing west. A sweating coop has always been one of my bug-bears, and I have finally solved this. Every day this outside as well as inside door is left open and this has neutralized this dampness, as there is a ventilator in the extreme east end of the passage, thus causing a free passage of air, the burlap preventing any draft whatever striking the chickens. I think this covers the "make-up" of the structure. It is always dry, being elevated from the outside level; warm, the water never

the most essential points of a chicken house.

I have a very practical brooder house, with brooders that brood, made by myself. If you wish, will give you my plans. They are copied after nature—top heat—no bunching or chilling.

The breast and thighs must be heavy in a good table fowl, in proportion to the rest of the body. In order to have thick breast meat and big thighs, these muscles must be used by the fowl, is



Solid Dirt Floors Elevated
2 feet from outside
Stone Underpinned

End View

freezing; light all day long, the two sets of windows lighting both parts. Every available inch of ground surface is used. The birds can wallow in the sand any time, as it is only a minute's work in the morning to rake the droppings up and remove them, hooking your roosts up. In winter we use sifted coal ashes instead of sand. They are always fed in the "littered" part. The outside exits to the runs are vestibuled, preventing any drafts. Almost the whole front of litter room is glass, and this room being partitioned from the other, there

the way Farmers' Voice reasons. In other words, the flyer and scratcher will prove to be the best table fowl, for their lively habits give the muscles of the legs and breast work to do that renders them firm and fine, instead of leaving them flabby and full of loose tissue in the shape of fat.

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

Convulsion, Fits, then Epilepsy.

Dr. Miles' Restorative Nervine has been so successful in curing these brain-wrecking diseases that there is every reason to believe that even the most hopeless cases can be benefited, if not fully restored.

We will be pleased to refer any one thus afflicted to many who now enjoy the blessing of health, after years of hopeless suffering.

"I have a son that had brain fever when two years old, followed by fits of the worst type, and he was pronounced incurable. I spent hundreds of dollars for him, without relief. After about fifteen years he became so bad that we sent him to Longcliff hospital for the insane, at Logansport, Ind. He was there nearly three years, but he continued to grow worse, so we brought him home July 30, 1902, in an awful condition. He had lost his mind almost entirely. He hardly knew one of the family; could not even find his bed; was a total wreck. He had from 5 to 10 fits a day. We were urged to try Dr. Miles' Nervine, and before the first bottle was used, we could see a change for the better. We have given it to him ever since, and he has had but two very light spells since last August, 1903, and then he was not well other ways. We pronounce him cured, as he can work and go anywhere. If any one wishes to ask any questions concerning this, they are at liberty to do so."

E. H. BUNNELL, Lincoln, Ind.

Dr. Miles' Nervine is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails, he will refund your money.

Miles Medical Co., Elkhart, Ind

Get Hen Teeth.

Don't pay heavy freight charges on grit. Make your own from refuse stone, broken dishes, etc. by using the

PRICE
\$3.00

HUMPHREY
Grit Mortar



Made of heavy cast iron with removable perforated bottom. Every poultry raiser needs it. Send today for free book, "Poultry Helps," describing up-to-date appliances—bone cutters, brooders, etc.

Humphrey, White St. Factory, Joliet, Ill.

BROODER and FREE 10 CHICKS

1,000 "Economy" Out-Door Summer Brooders and 10,000 Thoroughbred Chicks to be given away, absolutely free to readers of

POULTRY REVIEW

Choice of 5 varieties of chicks. A fine chance to get a start in the poultry business. Send for sample copy of magazine and circular explaining this extraordinary offer. Poultry Review, Box 242 Salem, New York





TRADE MARK
The emblem of high quality
and square, honest dealings

Price of Eggs Reduced

\$2 PER 13

AT the Great 1905 Chicago Show, on six entries won 1st cock and 1st pen, on White Wyandottes. The quality in White Wyandottes at this great show was extraordinarily high and it took the **BEST IN THE WORLD** to win there. But that's the kind the **CONGRESS PARK POULTRY YARDS PRODUCE**

EGGS \$2.00 per 15 From our Prize Winning White Wyandottes, Barred, Buff and White Plymouth Rocks, and Single Comb White Leghorns.

From our prize winning birds—the kind of eggs that produce the Blue Ribbon Winners in the largest shows in America. Orders booked now for future delivery when accompanied with cash. Immediate shipment if desired.

EGGS \$1.50 PER 15 or \$10.00 per 100 from extra high-class breeding stock in White Wyandottes, Barred, Buff and White Plymouth Rocks and Single Comb White Leghorns. Nine healthy chicks guaranteed out of every setting or will refill order at half price.

BARGAINS

300 yearling Barred Rock hens while they last, at \$2 each in lots to suit. Some choice trios and pens in Barred, Buff and White P. Rocks and White Wyandottes at \$7 per trio, \$10 per pen. Order direct from this ad and get the best.

Congress Park Poultry Yards, Congress Park, Ill.

MAKE YOUR OWN GRIT.

Fowls of all ages need grit, but the freight on prepared grit from distant points is so expensive that not many poultrymen can afford to use it. The difficulty can be readily obviated by getting a Humphrey Grit Mortar, by use of which you can easily make your own grit from refuse, stone, broken dishes, etc. In another column appears the ad of the Humphrey Grit Mortar, made by Humphrey & Son, Joliet, Ill., manufacturers of the well-known line of Humphrey poultry appliances, including boue cutters, clover cutters, brooders, etc. It will pay you to send for their new book, "Poultry Helps."

Every manufacturer is pleased when the mail brings him orders. He is more than pleased when these same customers come back to him again and again. It is the strongest kind of evidence to him that his article is one of merit, that the price is right and that the customers are getting exactly what he promised they would get.

It is this kind of satisfaction that comes to Humphrey & Sons, manufacturers of the Humphrey Pure Air Brooder. Where their brooder is once installed they are practically certain to receive subsequent orders. An illustrative case, although by no means an exceptional one, is given in the Humphrey advertisement on this page.

Mrs. Joseph started with four Humphrey Brooders last year, and with those ordered this spring now has twenty-one in all. Not many manufacturers are able to make such a showing. In a letter to the manufacturers Mrs. Joseph writes:

"With the lamp in the center it makes no difference which way the wind blows, but it makes a vast difference when the lamp is at one end. The two rooms is another point of excellence in the brooders. If the hover room accidentally becomes too warm the chickens can escape in the other room and thus avoid overheating. We all had fine success raising our chickens in your brooders and I could not ask for better success than I had, for I think I lost only two out of a hundred chickens which I put into your brooder, and one of those two was not perfectly developed.

Humphrey & Sons claim that it is an easy matter to hatch chicks, but that the difficulty comes in raising them, and this belief is the experience of nine out of every ten persons probably who have gone into the chicken business.

The Humphrey Pure Air Brooder supplies none but pure air and supplies it in such quantities that there are never any odors in the brooder. It does not need an expert to know that pure air is an absolute necessity for young chicks and that the Humphrey Brooder supplies it is shown in the fact that Mrs. Joseph raised ninety-eight out of one hundred chicks, and that one of those that was lost was not a perfectly developed chick when put into the brooder. Our readers will certainly do well to investigate the Humphrey Pure Air Brooder, and we are assured by the manufacturers that every claim they make will be fully carried out to the entire satisfaction of every customer.

August D. Arnold, of Dillsburg, Pa., made the following splendid winnings on his Silver Pencilled Wyandottes at Madison Square Garden, New York, 1905, in which he showed males only, in the hottest competition in America. He won first cockerel; first, third and fourth cocks. The fifth cock and two of the winning females were direct from his stock. Three of his yards are headed by first prize Madison Square winning males, and he has a nice lot of cocks, cockerels, hens and pullets for sale. He also has Buff Leghorns and Columbian Wyandottes, of which little need be said, for they are so well known.

Mrs. Tilla Leach, of Cheneyville, Ill., has quite a number of good Barred Plymouth Rocks, both male and female, yet on hand. She breeds Barred Plymouth Rocks exclusively, and this is an excellent opportunity for breeders to add to their stock at a very reasonable rate.

Payne's Chick Feed

starts chicks growing—develops them fast. Sample and book, "Poultry Pointers," FREE. ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

CHAS. E. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.



A NEW YORK PRIZE WINNER BRED AND OWNED BY
ARTHUR DUSTON, MARLBORO, MASS.

The Record Of My Stock

...AT THE...

WORLD'S FAIR

and practically every exhibition, both big and little, of the season, attests my claim of "the breeder that has made the World's Best flocks possible." We are told that a "cloud of witnesses makes a matter absolutely proven," so this month I am going to add a few more "witnesses" to prove the claim of the superiority of

Duston's White Wyandottes

—, Va., Nov. 16, 1904.
Dear Sir:—The bird arrived all safe and in good condition, and I am very well pleased with it. Many thanks to you for the selection.

Yours truly,

G. W. Y.
Montreal, Nov. 26, 1904.

Dear Sir:—The pen of White Wyandottes duly received in first-class order, and I am well pleased with them. I am,

Yours truly,

R. W. R.
—, Man., Dec. 19, 1904.
Dear Sir:—The birds arrived in good condition. I am very well pleased with them. I am,

Yours truly,

A. G. L.
—, Pa., Dec. 10, 1904.

Dear Sir:—I received the cockerel this evening, and am highly pleased with him. He is in the best of health and condition, and consider that you have done very well by me, so much so that I would like you to let me know what you could let me have two yearling hens for, as mates for him, as I think it would be a shame to mate him to the hens that I have, as he makes them the worst looking scrubs that I ever saw. So have concluded to get two, at least, and begin over again at the beginning, as it will be the best way, I think.

Yours truly,

D. M.
—, Mass., Dec. 28, 1904.
Dear Sir:—The birds came yesterday. To say that I am much pleased does not half express my pleasure. Found one egg this a. m. Yours truly,

G. M. C.

—, Me., Jan. 5, 1905.
Dear Sir:—The birds came all right, and on my return home, January 2, I was glad to find them in the hen house. They are a fine looking pair and I am much pleased with them.

Very truly yours,

R. T. H.

—, Mass., Dec. 6, 1904.
Dear Sir:—The pullets came in good order, and are a nice looking lot. I am much pleased with them. They are doing well. The cockerel is a fine looking bird. I wish to thank you for him, and the extra pullet, which I was surprised to see. They make a pretty sight in their yard.

Again thanking you, I remain,

Yours very truly,

S. W. B.
—, Mass., Dec. 26, 1904.
Dear Sir:—I want a Wyandotte cockerel. I had a cockerel and two pullets of you two years ago. Have the old cock yet. I took 2nd pen in S— with him, scoring 924; pen. 185 2-16: the last pen, 185 13-16. But he is too old to breed from this year. I have some fine pullets from him.

Yours very truly,

W. F. N.
—, Md., Dec. 26, 1904.

Dear Sir:—My birds arrived Saturday in fine shape, and must say that I am pleased with them, and every one that I have shown them to likes them. What could you make two more good pullets for, to add to the pen I just got? Give me a prompt answer and I will order at once. Let me say again that I am more than pleased. So if you can give me two more good ones, let me know the price at once. I am,

Yours,

W. W. B.
—, Mass., Jan. 6, 1905.
Dear Sir:—The cockerel I bought of you is at the head of the Second Prize Pen at B— this week. Yours truly,

H. W. K.
—, Mich., Jan. 7, 1905.
Dear Sir:—Please pardon my delay in acknowledging receipt of bird. Christmas holidays are always such a busy time. I am very much pleased with the bird. He is very much at home now. If ever you come my way would be pleased to have you call and see my

chickens. I would like to have your opinion. If you have one of those club buttons for me, please send.

Very respectfully,

A. M. M.
—, N. J., Jan. 5, 1905.

Dear Sir:—Birds arrived all safely and I am well pleased with them, thanking you kindly for good selection. Will order eggs from you later. Wishing you a prosperous New Year, I am,

Yours truly,

A. B. D.
—, N. Y., Jan. 21, 1905.

Dear Sir:—The trio you sold me arrived safely, and I am very much pleased with them. They have a nice new home and seem to like it. I thank you for sending me such nice birds.

Yours truly,

F. W. S.
—, N. H., Jan. 27, 1905.

Dear Sir:—The cockerel came O. K., and I am well pleased with him.

Yours very truly,

A. W. P.
—, N. J., Feb. 1, 1905.

Dear Sir:—I received the three pullets on Monday afternoon all O. K., and I am very much pleased with them for money sent you. You will hear from me a little later in regard to eggs.

Respectfully,

H. W. R.
—, N. C., Feb. 9, 1905.
Dear Sir:—The bird you sent me is a fine one, and I hope to have some good results from him. Accept many thanks for sending such a nice one.

Very truly,

H. S. W.
—, Ky., Feb. 4, 1905.

Dear Sir:—I would have written to you sooner about the cockerel, but I was busy at the show. I was awarded first premium on him, and there were about thirty other competitors against him. I refused an offer of \$30 for him at the show, and I had several people at the show compliment him.

Yours truly,

T. L. M.

(If A. P. J. would only cut the rate in two, I would make it two or more pages.)

This is the same kind of stock that you want, or eggs that can give it to you. Then why hesitate, for as sure as fate, practically every successful White Wyandotte breeder has come to Duston's strain sooner or later. Why not take a short cut and come at once? A specialist for ten years. Send two-cent stamp for catalogue.

ARTHUR G DUSTON

Box 1020, S. Framingham, Mass.

A CHEAP POULTRY HOUSE.

For an economical poultry house for a small flock I would suggest a style that has proved highly satisfactory to myself.

This consists chiefly of a gable roof as close to the ground as convenience will permit. The lower the house the warmer it will be and the less the cost. The building is twelve feet square, two feet high at the eaves and seven at the peak of roof. The sills are 4x4 and the remainder of the frame 2x4, covered with the cheapest grade of square edged boards. If these are well nailed on, the sills can rot off and the building will yet stand all right. The sides and back ends are covered with roofing

These may be moveable or not, but mine are fastened, as I can as readily oil them where they are as if removed. It don't pay to be too fussy.

Such a house will take about 200 feet of dimensions, 400 feet of boards and 350 square feet of roofing paper; or, if shingles are used, 2½ M shingles, and any one who is at all handy with tools can build it. The cost will be from twelve to fifteen dollars besides the labor. It will accommodate about eighteen hens. If twice that number are to be provided for, have the house twice as wide, divided in the middle into two pens 12x12, and have the perches and dropping boards against the dividing wall.

When there is opportunity to build a

I put boards down edgewise, about a foot below the surface, under the walls of my houses, to keep out skunks, but it is better to dig a trench a foot deep and fill up with small stones, if one has them handy. This makes a good foundation for the sills. If one had a board floor it would not be necessary to do either, but the ground is better and cheaper, although the floor is easier to keep clean. I have both and find that weak legs are more often found in the pens having floors. WM. B. GOULD.

Hillsboro Bridge, N. H.

The Patented Peep-o'-Day Brooder, Manufactured by the Cornell Incubator Manufacturing Co., Ithaca, N. Y., U. S. A.

It is not extremely difficult to obtain a satisfactory hatch, as there are several good incubators on the market today. The real trouble begins after the chicks have been transferred from the incubator into the brooder, and unless one is the fortunate possessor of a Patented Peep-o'-Day Brooder look out for breakers ahead!

The Peep-o'-Day Brooder has been very appropriately named the "Chick Life Preserver," as it is the only brooder every devised that will bring to rapid and successful maturity every healthy chick that has originally been placed in its care.

The Castiron Peep-o'-Day Lamp will neither blow out nor smoke, no matter what the weather conditions may be. The heating and ventilating systems are so perfectly understood that they afford the little chicks more solid, clean comfort than under the mother hen.

The Peep-o'-Day Brooders have been on the market for nearly a generation, and we say to you truly and sincerely we have yet to receive the first complaint! A wonderful record that will never be duplicated by any other brooder in existence.

The Peep-o'-Day Brooders are manufactured in eight different styles, ranging in price from \$5 to \$16 and of a capacity of 50 to 100 chicks. Our latest invention is the 1905 Combination Brooder and Colony House Combined, built on runners. It is a machine 6 feet long, 3 feet wide and 4 feet high in front and will take care of the chicks from the time they are hatched until they acquire the dignity of pullet and cockereldom and are removed into winter quarters. It is transformed into a colony house by simply slipping out one partition. Last but not least the house is built on runners and can be easily pulled to fresh ground and new sweet grass, so essential to the growing chick.

We will mail you for the asking our catalogue, fully describing our Peep-o'-Day Brooders and also the 1905 Cornell Automatic Moisture Incubator, the most perfect machine that has ever been placed on the market.

The catalogue of Doolittle's Partridge Wyandottes has been received at this office. Mr. W. A. Doolittle is located at Sabetha, Kan., and has been very successful with his Partridge Wyandottes. The catalogue is a very unique one and bound to claim attention and admiration. A circular space has been cut out of the front cover, through which can be seen a colored picture of Duke, one of the most typical male birds of this variety ever bred. On turning the cover page the full page colored picture of Duke and Duchess then appears. This is a very novel arrangement, and Mr. Doolittle has been congratulated very highly on same. The catalogue is printed on a nice quality of buff paper and is full of splendid reading and descriptive matter of his yards and fowls, including also prices on his stock and eggs.

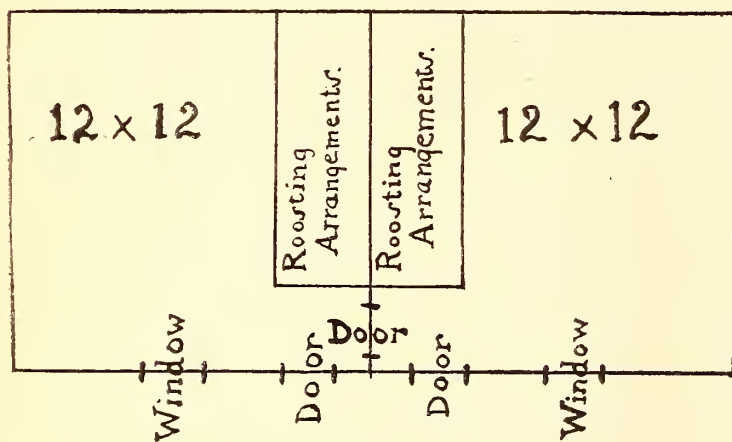
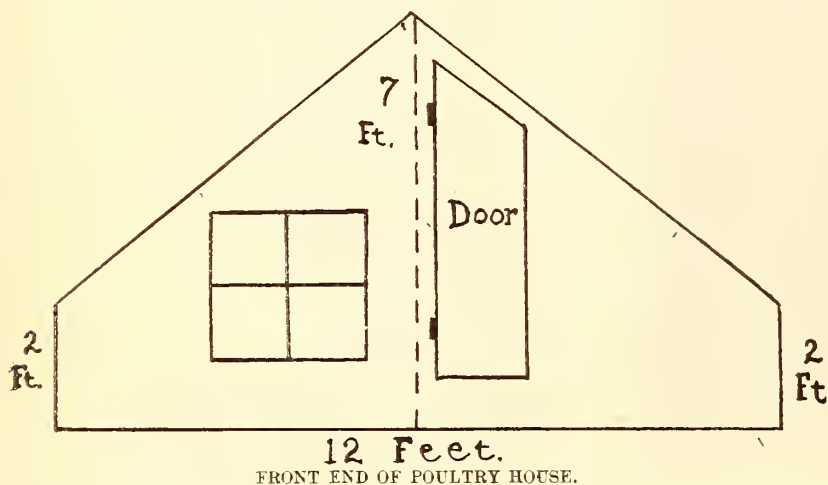
Standard Poultry Food Greatest stimulating tonic known, inducing health, vigor, eggs and profit. Sold by dealers. If not there send for special trial offer. Standard Stock Food Co., Howard St., Omaha, Neb.

CHAS. F. THOMPSON & CO. LYNNFIELD CENTER, MASS.

See ad on page 368.

Alfalmo Poultry Feed

A complete balanced poultry feed—Alfalmo Meal, meat products, bone, charcoal, etc. Sample free. ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.



paper. Shingles might be used instead of paper if they were cheap enough. It faces the south, and this end is not covered with the paper, as, if it were, other means of ventilation would have to be provided. The door is in the front end and also a window as large as space will permit. This can be removed easily, which is done early in the spring, and it is then left out all summer. Poultry netting covers the inside of window, making the pen much lighter than slats. I have a slat door to use when the other one is open, as it is on all pleasant days in winter and day and night through the summer. A dropping board three feet wide extends across the back, each end resting on the plate and supported in the middle by a bracket fastened to the wall. About ten inches above this are two perches.

leanto on the south side of another building this, of course, can be done cheaper than to build a separate house. It may be ten feet wide and as long as the building to which it is attached, having the front side three feet high and the back seven. Have the door in one end, up next to the adjoining building, and one or more windows in the south side made to slide sideways. One window for each eight or ten feet of front will be enough. Don't have too many for, while they will warm the pen up in good shape on a sunny day, it will make it just as much colder through the night. I tried it before I knew better, but now the windows in that pen are all boarded up but one. Have the roosting arrangements against the back side, about two feet from the ground.

RAISING YOUNG CHICKS.

There is an old saying that "Necessity is the mother of invention." After a machine had been invented that would successfully hatch out chickens, the next question was to know what to do with them after they were hatched. Ingenuity again proved equal to the occasion and the brooder was evolved.

Improvements on both incubators and brooders have succeeded each other until at the present time these artificial mothers answer the purpose fully as well as the hen, and in some respects better. The Shaulb Compartment Brooders have stood the test of time and are equally good for indoor or outdoor use. The increasing sales of these machines speaks well for the satisfactory results obtained by their use. They are so constructed as to provide natural conditions for the chicks, and during the ten years they have been on the market have met with great success.

The prices are reasonable and a free booklet describing the brooders may be secured by writing to the manufacturer, M. O. Sherer, Louisville, Ohio. His advertisement will be found on page — of this issue.



George O. Anderson, Rushville, Ind., breeder of Barred Plymouth Rocks, Light Brahmas and Mammoth Bronze turkeys, is advertising eggs for hatching this month from his prize-winning pens. Mr. Anderson has had twenty-two years' experience in breeding and mating thoroughbred poultry and knows how to mate for best results. He sells eggs from the same yards that he breeds from. He has won prizes at the leading shows of the country and many of his prize winners are now in his breeding pens. Send for his circular, which gives prices and other information, and mention AMERICAN POULTRY JOURNAL.

George P. Hartman & Son, Freeport, Ill., with commendable enterprise are running a large ad of their Glenwood Poultry Farm in this issue, describing their many varieties of fowls that they have for sale for the information of those who are looking for choice birds. They have been very successful in securing premiums this fall and have many winners in their yards. They have hundreds of choice birds to sell eggs from, from their many varieties. Their illustrated catalogue will be sent for 10 cents. This describes all their varieties and gives prices on stock and eggs. They are confident that they can please all customers and assure fair treatment to every one. Their sales are made with a strong guarantee. Their list of fowls includes thirty of the leading varieties of farm raised land and water fowls.

Frank L. Riffert, Box A, Haubstadt, Ind., the noted breeder of prize winning Black and White Langshans, offers eggs for hatching from his prize winners. Parties wishing new blood will do well to write to him. Look up his ad and write immediately.

A GOOD LITTLE POULTRY BOOK.

We take pleasure in directing the attention of our readers to a little book before us, entitled "Proper Care and Feeding of Chickens, Ducks, Geese and Turkeys." It is published by the Des Moines Incubator Company, Des Moines, Iowa, and is sold for 10 cents a copy. No reader will begrudge the small price to get the accurate, specific information which this little book contains. It is in neat, compact form and gives directions and pointers in a way that they will be applied every day by the poultry raiser. The different classes of fowls are treated separately. Particular attention is given to right starting, the foods that are adapted and those not adapted to the new born fledgelings. It is an especially valuable book for beginners. Old poultry raisers will get many valuable suggestions from it. A copy may be secured by sending 10 cents direct to the publisher.

The A. Edward Green Company, of Morgan Park, Ill., is sending out a free circular describing their Cook strain of S. C. Buff Orpingtons and their Wooden Royal strain of Buff Wyandottes and their Indian Runner Ducks.

Mr. Green is conveniently located in Morgan Park, which is a suburb of Chicago. He aims to have his stock well up to and a little above his claims and letters from his customers bear him out in this statement. His poultry business is a limited one and is conducted only as a recreation from the continuous office duties in the city. He aims chiefly at quality and moderate prices, selling his stock at much less than others of similar quality.

He has in his yards the Buff Orpington cock that has won second prize at Chicago, 1904, and is constantly mating to produce birds that will make good layers

and good broilers. His Royal Buff Wyandottes are well known and he uses the same intelligent care with them and he has had great success with his Indian Runner Ducks. A strong guarantee goes with every shipment made by this company.

We have received a copy of the catalogue of J. M. Williams & Co., North Adams, Mich., the Buff Orpington breeders. Very few Buff Orpington breeders are better known than J. M. Williams & Co. Their catalogue is beautifully illustrated and printed and every Buff Orpington breeder should have a copy in order to take advantage of the rare bargains that these people are now making. They breed S. and R. C. Buff Orpingtons of the famous Whittaker strain. They desire especially to call the attention of their old patrons, also new prospective customers, to the great improvement they have made this past season on their Whittaker strain. The low, blocky type bird, which their strain is noted for, is becoming more and more a permanent fixture. The true Buff color, both in surface and under color, is found in their birds, where only a short time ago black and white predominated, especially in wings and tail of male bird. This has disappeared and buff has taken its place.

Mr. F. H. Stanwood, 433 North Harvey avenue, Oak Park, Ill., breeder of exhibition and utility Barred Plymouth Rocks, has ten well-mated pens, which include all prize winners at the late Chicago show, passed upon by some of the best judges in America, namely, Hewes, McClave, Shirlabarger, Russell, Lambert, Brinkman, etc. Mr. Stanwood sells his eggs reasonable, considering the quality of his stock. Only \$2.50 per setting. Any one interested should write him and no doubt one will get his money's worth.



Hovers 'em Just Like The Old Hen

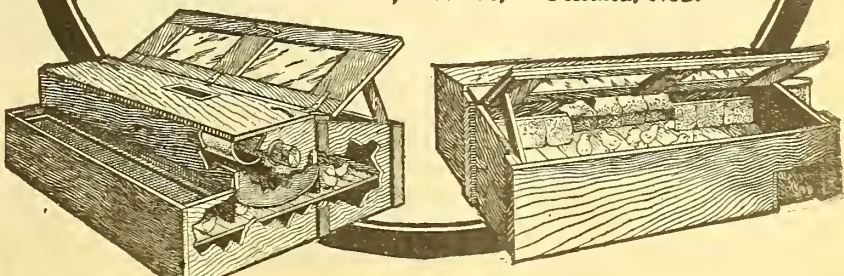
That's the Secret of

the "Mandy" Lee Brooder. It puts the heat right on the spot where the young chicks need it—on their backs—right where they get it from the old hen. It furnishes direct contact heat and in the natural, hen-like way, the only way to insure natural results. The chicks get it where they want it, when they want it, and just as much or little as they want. They can have their heads out in the fresh air this brooder supplies at all times, and have their backs against the warm hover. No wonder they live, thrive and grow fast in

THE "Mandy" Lee BROODER

What's the use of hatching chicks if you can't raise them to the profit-bringing point? There is not a brooder built that will raise one-half as many chicks to maturity as the "Mandy" Lee. Why? Because they are not built upon nature's lines and the "Mandy" Lee is. It comes so near to nature's way that there's nothing omitted but the old hen's "cluck." Write for circular giving full detailed description and illustrations showing how the "Mandy" Lee does it. Does it is so different; so much better, yet costs no more than the poor kind.

GEO. H. LEE CO., Box 71, Omaha, Neb.



THIS YEAR'S CROP OF CHICKENS.

It Is Most Important to Start Them
Right and Equally Important to
Keep Them Growing Right.
How We Hatch and Grow
Our Layers.

BY CHAS. F. THOMPSON.

Every spring we all make a new beginning with our poultry work. We start out then with a new flock of youngsters, which are to grow up to be our layers and breeders, and we have then the one great opportunity of the year to work out a better success in our

this we will make a steady advance in our poultry business, each season will show a step forward.

It is of the utmost importance that the breeding stock from which the chicks are to be raised shall be of the very best possible, shall be well equipped with strength and vigor; taking particular pains with the birds that lay the eggs from which the chicks are hatched is half the battle,—the old adage that "well begun is half done" applies with especial force to our chicken work. The breeding stock transmits to the offspring its own strong or weak qualities, hence it is up to us to see that the right qualities are transmitted!

with the chicks. Healthy birds, rightly cared for, will produce strongly fertile eggs, and the chicks hatched will grow even under unfavorable conditions, while unhealthy hens and pullets, that have been "forced" into early laying, will produce eggs a large per cent of which will be infertile, and what chicks are hatched will not grow into strong, vigorous stock.

We make it a point to keep our breeding birds from laying too early, and to do this we keep them out in the open, unhoused until the weather becomes quite severe. Birds not intended for breeders we house early in the fall, and from them we get eggs for market when



Front and side view of one of our Wyandotte cockerels, broad, deep breasted, short, yellow legs and perfect head. Prize winning strain. Bred and owned by Charles F. Thompson & Co., Lynnfield Centre, Mass.

poultry; or we may take a backward step, possibly take a step towards ultimate failure.

The chickens hatch and raised each year furnish the test of our work for that year. In them and the development they make is the key to the forward step we all want to take, hence it is of the greatest importance that we start them right, and keep them growing right, to the end that they are fully equipped with the qualities essential to success; and not only that, but to a success better than that of last season, or better even than we have made before. By doing

We on our farm want the birds to be great layers, hence we select for the breeding pens only such as we know to be great layers. Here, at the very outset is where many make a mistake and start wrong. They get the idea that all they have to do is handle the incubators right, or take good care of and feed well the chicks after they are hatched. They cannot see that if they have the right kind of laying-breeding stock the chicks will pretty much take care of themselves. If more of our poultry growers would take the greatest pains with the parent stock they would have little difficulty

prices are highest. By experimenting with these eggs we have found that they are not strongly fertilized, or the eggs themselves are not of good "body," and these eggs will not (cannot), hatch as strong chickens as will eggs from the breeders that have had a good rest through being held back from laying. Last season we had eggs from these selected breeders test 91 per cent fertile, and in our own incubators hatched as high as 85 per cent. This we consider remarkably good results, but we could not get such results without taking especial pains with the breeding stock.

Another point where many fail is in feeding the chicks too soon. We believe chicks should not be fed till they have been out at least forty-eight hours, and from reports coming to us from customers who live at a distance (to whom we have shipped newly hatched chicks), we have come to firmly believe that chicks may be three or four days old before feeding, and suffer no harm from the delay. When we do begin to feed them we feed lightly, with cracker crumbs and dry bread crumbs, and about five per cent of chick-size grit added. Here, again, is where many make a mistake, in not giving the baby chicks fine grit, with which to "chew" their food. The first food should not be a too concentrated food, such as the hard-boiled egg some writers advocate. "Milk for babes" is a good motto, and light, simple food for baby chicks is equally important. The

CHAS. F. THOMPSON & Co.
Box 9 LYNNFIELD CENTER, MASS.

RHODE ISLAND REDS

BARRED PLYMOUTH ROCKS

WHITE WYANDOTTES

WHITE ROSE LEGHORNS

Chicks 16 and 21 Cents Each

EGGS \$1 per sitting From selected stock, large, strong, healthy,
6 per hundred vigorous and prolific layers.

Prize Stock \$2 a setting. Pen headed by prize winners'
10 per hundred and will produce winners; fancy
and utility combined. Special mating \$3 a setting, \$15 per hundred. Send for
catalogue. Red Standard free. Guarantee per cent of fertility sent with every order.

light feeds of bread and cracker crumbs seems to be just about right, and being cooked food it is easily digested.

We feed the chicks four times a day, regularly, until they are well grown. One meal is of Johnny cake and stale bread, crumbled,—about half and half of each; one is of cooked rice, which we consider an excellent chicken food; one is of cracked wheat or wheat screenings, the cracked wheat giving way to whole wheat by the time the chicks are three weeks old; the other is of Spratt's Patent chicken feed. When two weeks old finely cracked corn is given at one of the feeds, and by four weeks old we begin to feed a cooked mash. This is composed of equal parts corn meal, "mixed feed," and ground oats, mixed quite dry and steamed for an hour, and this is fed twice a day. Unless, as sometimes happens, the mixed feed is not of extra fine quality, one sixth in bulk of fine middlings is added.

They get green food in the shape of clover meal and chopped cabbage when three or four days old, and this is continued until they are put out onto a grass run. The green food is quite important, keeping the digestive system in good tone and preventing indigestion. This last trouble, which is a most serious trouble to many, is largely caused, as we believe, by feeding a too concentrated ration and by lack of green food and fine (chicken-size) grit. If these are supplied there will be little difficulty with "pasting up behind," which is due to indigestion or impaired digestion, and the chicks will thrive and grow very much better.

We also feed fresh meat, boiled and chopped fine, after the first few days. They are fed but little of this at first, and but a little green food at first; the quantity of both is gradually increased as they get older. Over-feeding is carefully avoided, only enough is fed each time so that the chicks will eat it up quickly. If any food is left after ten minutes or so we remove it, and it is well to pass that flock the next time of feeding, as it is probable their appetites are cloyed by having eaten too much. It is good for little chicks, and chicks that are older, also, to get a bit hungry and move around lively in search for food; it is well known that exercise promotes good health.

We move the chickens out onto grass range as soon as they are large enough to no longer need artificial heat; here they find ample green food and get full supply of fresh air and exercise. Plenty of room in the roosting coops, or small colony houses, is a prime necessity; chickens cannot thrive and grow well if they are uncomfortably crowded in their coops. If these points are kept in mind, and the chicks are hatched from eggs that are right, they will grow up into birds that are right, and that there is some comfort and satisfaction in owning. Start them right, keep them growing right, and they will be all right,—then the profits will be right!

CHAS. F. THOMPSON & Co.

Lynnfield Center, Mass.

About a tablespoonful of tincture of iron to a half gallon of water, is an excellent preventive for roup.

**Many valuable horses saved.
Pratts Prepared Fever Powder.**

Made by Pratt Food Co., Phila. Over 30 years old.

White Wyandottes and Pekin Ducks

Greatest competition White Wyandottes and Pekin Ducks, winners in the greatest competition in the world: World's Fair champions; 1, 3, 6 and 704 young Pekin hens; 2, 3 and 7 young drakes, 3, 5 old drakes and 4 old hen. Won 6th and special on cock in White Wyandottes, and I have the best in the world in my breeding pens for 1905. 1st cock, 3d cockerel, 1, 2 and 4 pullets and eight more pullets, sisters to the prize winners and a brother to the 3d prize cockerel.

Illinois State Fair, 1st, 2d and 3d on Pekin Ducks. No White Wyandottes were shown. St. Louis Fanciers' Association, Dec., 1903, won 1st breeding pen, 1st pullet and 3d cock in White Wyandottes and special for best pullet. Chicago National Fanciers' and Breeders' Association, 1905, won 1, 4 pullets, 1, 3 hen, 1, 3d chl., 2, 5 cock and three specials for best shape, and silver cup for the whitest bird in the show room on White Wyandottes. Pekin Ducks 1, 2 cock, 1, 2 hen, 1, 2 cockerel, 1, 2 pullet. White Wyandotte eggs \$3 for 15, \$5 for 30. Pekin Duck eggs \$2 for 11, \$3.50 for 22, \$7 for 50.

THEO. AMBROSIOUS

Collinsville, Illinois

WING PIANOS

Are Sold Direct From the Factory, and in No Other Way

You Save from \$75 to \$200

When you buy a Wing Piano, you buy at wholesale. You pay the actual cost of making it with only our wholesale profit added. When you buy a piano, as many still do—at retail—you pay the retail dealer's store rent and other expenses. You pay his profit and the commission or salary of the agents or salesmen he employs—all these on top of what the dealer himself has to pay to the manufacturer. The retail profit on a piano is from \$75 to \$200. Isn't this worth saving?

**SENT ON TRIAL
Anywhere We Pay Freight
No Money in Advance**

We will place a Wing Piano in any home in the United States on trial, without asking for any advance payment or deposit. We pay the freight and all other charges in advance. There is nothing to be paid either before the piano is sent or when it is received. If the piano is not satisfactory after 20 days' trial in your home, we take it back entirely at our expense. You pay us nothing, and are under no more obligation to keep the piano than if you were examining it at our factory. There can be absolutely no risk or expense to you.

Do not imagine that it is impossible for us to do as we say. Our system is so perfect that we can without any trouble deliver a piano in the smallest town in any part of the United States just as easily as we can in New York City, and with absolutely no trouble or annoyance to you, and without anything being paid in advance or on arrival either for freight or any other expense. We take old pianos and organs in exchange. A guarantee for 12 years against any defect in tone, action, workmanship or material is given with every Wing Piano.

Small, Easy Monthly Payments

In 37 years over 40,000 Wing Pianos have been manufactured and sold. They are recommended by seven governors of States, by musical colleges and schools, by prominent orchestra leaders, music teachers and musicians. Thousands of these pianos are in your own State, some of them undoubtedly in your very neighborhood. Our catalogue contains names and addresses.

Mandolin, Guitar, Harp, Zither, Banjo—The tones of any or all of these instruments may be reproduced perfectly by any ordinary player on the piano by means of our Instrumental Attachment. This improvement is patented by us and cannot be had in any other piano. WING ORGANS are made with the same care and sold in the same way as Wing Pianos. Separate organ catalogue sent on request.

You Need This Book

If You Intend to Buy a Piano—No Matter What Make

A book—not a catalogue—that gives you all the information possessed by experts. It tells about the different materials used in the different parts of a piano; the way the different parts are put together, what causes pianos to get out of order and in fact is a complete encyclopedia. It makes the selection of a piano easy. If read carefully, it will make you a judge of tone, action, workmanship and finish. It tells you how to test a piano and how to tell good from bad. It is absolutely the only book of its kind ever published. It contains 156 large pages and hundreds of illustrations, all devoted to piano construction. Its name is "The Book of Complete Information About Pianos." We send it free to anyone wishing to buy a piano. All you have to do is to send us your name and address.

**The Book
of Complete
Information
about
Pianos**

Send a Postal To-day while you think of it, just giving your name and address or send us the attached coupon and the valuable book of information, also full particulars about the WING PIANO, with prices, terms of payment, etc., will be sent to you promptly by mail.

WING & SON, 350-395 West 13th St. New York
1903—37th Year—1905

**WING
& SON**

350-395 West 13th
St., New York

Send to the name and address written below, the Book of Complete Information about Pianos, also prices and terms of payment on Wing Pianos.

Cut or tear on this coupon and mail to us, after writing your name and address at bottom. We will promptly mail book and other information.

CHAMPION BUFFS...

At New York, 1905

My Buff Wyandottes won 1st cock, 1st hen, 3d cockerel, 2d pen in heavy competition.

At Boston, 1905

I entered one Buff Wyandotte cock and won 1st and special prize in competition with the best in America. My Buff Rocks have been winning all down the line this season, and are buff to the skin.

For quality in BUFFS write

A. C. HAWKINS, Lock Box 25, Lancaster, Mass.
See ad on back cover.

1000 STRAWBERRY PLANTS \$2

Best yielding kinds. New beds. Fruit Trees, Small Fruits. High quality. Low prices.

J. F. DAYTON, WAUKON, IOWA

1868 Nettleton's Lt. Brahmas 1905

Have the best lot of youngsters this season as to size, shape and color I ever raised, all blue-bred. My Brahmas have won the blue at many exhibitions. A few grand breeding cocks for sale. Prices right, satisfaction given. A few White Cochins, grand birds, for sale. Write for particulars.

C. P. NETTLETON Box 159, Shelton, Conn.

★ Poultry Printing

All can make something during the egg season with this printing, because it saves labor and sells stock and eggs for more than its cost. Letter-heads or envelopes, 75c; egg labels and tags, 55c per 100; post-up cards, 6x9, announcing eggs and chicks for sale 75c per 18; business cards, 81 per 250; mail cards, 75c per 100 postpaid. Samples 2c. B. P. Rock and S. C. W. Leghorn eggs, \$2 per 13.

JOHN ENGLE, Jr. 90 Komorn St., Newark, N. J.

Originator EMMEL'S "Gibraltar Strain"

Light Brahmas, S. C. Buff Orpingtons and S. C. Brown Leghorns.

First prize winners wherever shown. Exhibition matings, \$4 per 13; other matings \$2.50 per 15, \$4 per 30, \$8 per 100

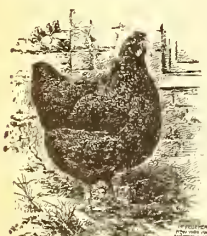
EGGS H. A. EMMEL, Box R 31, Mars, Pa.

Expert Poultry Judge.

Light Brahma eggs \$4 per 13 straight.

HADAWAY'S

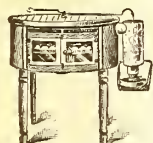
Partridge Wyandottes



are the champions of America, winners of the 100 championship cup, the \$75 breeders' cup, and more than one-third of all regular prizes at the largest exhibit of this breed ever held in the world. Send for catalogue telling all about them. Eggs \$5 per 15, 8 per 30, \$10 per 45.

J. B. HADAWAY
696 N. Main St., Brockton, Mass.

First Hen, New York, 1904



Big Money

in the poultry business where our incubators are used. No experience necessary just get an

Iowa Round Incubator

and your success is assured. Automatic in regulation of heat and ventilation—hatches stronger and more chicks than hens, with one-half the labor and attention. "The Iowa" is pronounced to be perfect in construction by thousands of satisfied users.

Our Free Catalogue explains why and tells how to make dollars out of this pleasant and profitable occupation. Write to-day for this book of useful information. Address

IOWA INCUBATOR CO. 45 Locust St., Des Moines, Ia.

FINE OPPORTUNITY FOR FARMERS

In another column the Norfolk & Western Railway offers an exceedingly attractive proposition relative to productive farming lands, well located near thriving towns on their line, having good social, church and school advantages, and excellent shipping facilities to the large markets of the Atlantic seaboard. This railway company is making strenuous efforts to develop these old Virginia farms and plantations, which have fallen into neglect since the war, and have already succeeded in inducing a large number of Northern and Western farmers to come down and locate. If you will write Mr. F. H. LaBaume, Agricultural and Industrial Agent, N. & W. Ry., Box 22A, Roanoke, Va., he will take pleasure in sending you a full assortment of attractive literature setting forth the many advantages of that section of the country, with testimonials from farmers already located there.

We call attention to the ad of Smith & Arford, of Oakwood Poultry Farms, Marshall, Ill., who are breeders of high-class White Wyandottes and Single Comb White Leghorns. They offer this month and the next Wyandotte eggs at \$1.50 per setting, \$7.50 hundred, and they will make for the same time a special cut rate on Leghorn eggs of \$1 for 15, \$2.50 for 50, \$4.50 per 100. They write us that their motto in breeding is vigor of constitution, white plumage and beauty of form. That is, the raising of stock, which combines with utility requirements, the requirements of the show room. They give their personal attention to their business, keep down expenses, and are thus enabled when offering stock and eggs to make extremely low prices.

The Excelsior Wire & Poultry Supply Company, 28 Vesey street, New York City, have a change of ad this month, announcing their Banner Chick Food, and state that this is the best food for little chicks. When fed on this food for the first six or eight weeks they grow very fast and strong. It is a complete food, but no grit or oyster shells. You add that yourself. They send their new 208-page catalogue free, if you mention Department O when writing them.

In this age of enlightenment there is no excuse for the land owner who does not grow fruit. Eating fruit tends to preserve health and to prolong life; fruit is not a luxury but a necessity. There is always a profitable market for any surplus fruit which may be produced, and no business yields greater returns from the amount invested than that of fruit growing.

We desire to call attention to the advertisement of J. F. Dayton, Waukon, Iowa, who has for thirty years carried on the Highland Nursery at that place.

He has never employed any agents, but sells directly to the planter, and hence is enabled to offer standard varieties of Strawberry Plants at Two Dollars a Thousand, furnishing only strong, vigorous plants from new beds. Write to him for his Twenty-fifth Annual Catalogue. It is Free.

M. L. O'Neel, of Oelwein, Ia., writes that Shellabarger scored his White Wyandottes in February and gave one of his cockerels the highest score he had given this year, and said he would improve later. He is using especially white males in his breeding pens this year, four of the cockerels not being cut for color of plumage, and still bas in his yard his prize winners of 1904. He could not leave home this winter, so did not show. He has had some remarkably good sales this year, his cockerels going fast, but he has fifty pullets left and a lot of extra good yearling hens.

E. J. Rood, of Webster City, Iowa, breeder of Rose Comb Rhode Island Reds exclusively, writes that he positively has no more birds for sale, but has mated up two small but magnificent pens, one of Rose and one of Single Combs, for the egg trade.

Slinking of calves prevented
Pratts Cow Tonic.

Made by Pratt Food Co., Phila. Over 30 years old

Alfalmo Poultry Feed

Ideal for shut-up poultry. Good as grass. Get "Poultry Pointers" and sample FREE. Write ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

CHAS. E. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.

1883 1904

2 & 3 PLY.
TRADE MARK.

ROOFING

EXTRA HEAVY FELT ROOFING

for poultry houses; a low price, durable roofing. Endorsed by thousands of poultrymen. Many of the largest poultry plants are covered with it; can be applied by anyone on steep or flat roofs. If you are going to build, or have roofs to repair, send for samples, circulars and prices.

THE A. F. SWAN CO.,
12 Battery Place, New York, N.Y.

ROOFING

ORR'S WYANDOTTES ORPINGTONS

All the standard varieties of both breeds. We could not compete for World's Fair prizes.

being superintendent of poultry there; but our display pen with only hen of each of our ten varieties attracted much attention.

Eggs For Hatching Our Specialty

Twenty-two years' experience has secured us the confidence of customers in every state. Booklet free. Name your variety.

Orr's Lice Killer is Best, \$1 per Gal.

T. E. ORR, Box 807, Beaver, Pa.

Poultry Supplies.

As we are the largest as well as the oldest dealers in poultry supplies west of the Mississippi river we can offer many items of interest to poultry breeders. We also handle thoroughbred poultry and EGGS FOR HATCHING. Don't fail to send for a copy of our new illustrated price list. Complete catalogue of seeds, plants, etc., also free if you mention this paper. Write at once.

IOWA SEED CO., DES MOINES, IOWA.

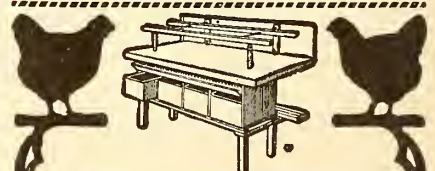
Century Sprayer

The one that's suited to most purposes of the most fruit growers. The practical kind.

Bronze Ball Valves, Brass Cylinder, Brass Plunger, Indestructible Fabric Packing, Perfect Working Agitator.

Price is right. Send for elegant catalogue. Describes 20 styles sprayers—the great Deming line.

The Deming Co., Salem, O.
HENION & HUBBELL,
Western Agents, Chicago, Ill.



DOLLARS SAVED

Because you save time and labor in your poultry work. Neat, attractive and perfectly sanitary quarters; ease and convenience in cleaning, healthier fowls and freedom from mites are only a few of the valuable, practical features of

THE POTTER

PORTABLE

HENNERY OUTFIT

and vermin exterminator roost. Our fixtures are pleasing hundreds of other poultry keepers in every part of the country. However your house may be arranged we can equip it perfectly and completely. Fixtures made in three styles and fifty different sizes. Prices are right and reasonable, \$1.00 up. You need convenient and up-to-date fixtures in your henry if you would succeed. Send one red stamp for our thirty-page catalog telling all about Potter fixtures, simplex trap nest device, W. P. Attachment, etc.

T. F. POTTER & CO., BOX 4, DOWNERS GROVE, ILL.

Silver Wyandottes

That have produced the winners at the **World's Fair, New York**, Chicago and Boston shows. They have the clear black and white lacing and correct wing bars. They are the kind that win. **CHOICE BREEDING BIRDS AND EGGS** that will produce winners.

A. G. HAWKINS

Ad on back cover. Lancaster, Mass.

MORE EGGS—Less Feed
Humphrey Bone Cutter,
Humphrey Clover Cutter,
will double egg yield. Poultry Book sent free.
HUMPHREY, White Street Factory, JOLIET, ILL.

Glen Lee Poultry Farm, Winchester, Va.

G. H. Kinzel, Owner and Proprietor.

White Wyandottes

Duston Strain.

WHITE LEGHORNS

S. C., Wyckoff and Blanchard Strains

My breeders are the best that money could buy. Forty acres of fruit and chickens—these two varieties. Personal attention given to all stock and eggs. A few sittings will be sold this season at \$2 per 15 and eggs shipped in Eyrice cases. I have the layers and egg makers. Show qualities have not been neglected. Your money refunded if not satisfied. Reference, any bank in this city.

SATISFACTION

Isn't this enough for any man to expect?

Matthews, Ind., Dec. 11, 1904.

Dinsmore & Co.
Dear Sirs:—The one hundred White Wyandotte eggs I bought of you proved the best investment I ever made. I hatched fifty-three nice chicks. I have just returned from Marion poultry show, where I won 1st, 2d, 3d cockerels, 3d pullet, 1st and 3d pens, seventeen specials and \$10 silver cup for best display of any one variety. If you will sell me eggs the same price I will take 500 or 1000 next spring. Wishing you success I am,
Yours truly, R. B. LITTLE.

We have ten grand pens mated for best results, and we guarantee our eggs to be 75 per cent fertile. \$2 per 15, \$10 per 100.

Hillcrest Poultry Yards

Dinsmore & Co., Props. Kramer, Ind



KEEPS CHICKS HEALTHY
Health comes largely from pure food and water.
LATHROP CHICK SERVERS
insure this condition at all times. No polluting, no wetting of feet, no drowning, no wasting of food. Write for free circular.
Lathrop Mfg. Co., 50 Central Ave., Rochester, N. Y.

OUR POULTRY RAISERS GUIDE
is a descriptive list of Foods and Accessories
MAILED FREE ON REQUEST
W. J. Gibson & Co., Inc. Rialto Bldg. Chicago.

Editor AMERICAN POULTRY JOURNAL.

"Figures won't lie but liars can figure" is an old adage and it will apply to the poultry business admirably.

I would like some information in regard to feeding poultry. Poultry books and journals tell us we can keep a Plymouth Rock for one year for one dollar to one dollar and twenty-five cents.

I find a fair ration for above breed to be four oz. soft feed and one-half pt. grain per day with wheat at \$1.20 per bu, corn at 55c and oats 45c. the average cost per bu is 73c and to keep a hen a year it would require 2 27-32 bu, which would amount to \$2.07 with bran and middlings and meal selling for \$1.10 per hundred it would cost \$1 per year for each hen, for boue, meat and disinfectants 25c per hen. This makes a total of \$3.32 per hen. I figure the clover and other green material feed to be offset by the value of the droppings.

With eggs at an average price of 20c per doz. it would require a 200 egg hen to pay for her board and you would have left for profit and labor the value of the hen which would be from 50c to 75c, but it is a very few flocks of hens that will average 200 eggs per hen. I think we would be safe to say the general average of large flocks would not

exceed 150 eggs per hen, such being the case where will the poultryman come out?

Where ever you read of large profits being made in the poultry business you will see the cost of feed ranging from 75c to \$1.25 per hen and to the poultryman who has succeeded in solving the feed question so he can keep a hen one year for \$1.50 he has a business that will equal the dividends of the Standard Oil Co. in proportion to capital invested. I might add to above providing he keeps up the egg average to 150 eggs per hen.

The foregoing is as I find the conditions to exist. Now is it possible to keep our American breeds for \$1.50 per year each and keep up the egg supply? If so how and what would you feed?

The above question stands between profit for many poultryman.

E. DANA SUTLIFF.

Pratts the pioneer stock food of America

Over 30 years old.

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on, page 368.

SURE HATCH SUPREMACY

Remarkable Results of Scientific Incubator Making and a Liberal Selling System

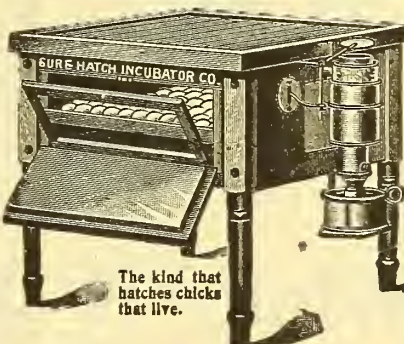
60 DAYS' TRIAL

Freight Prepaid. Our Guarantee Backed by \$100,000 Cash

It is one thing to claim superiority for your product and quite another to prove it. The Sure Hatch Selling System proves it or No Sale.

Over 60,000 Sure Hatch Incubators are in use throughout the United States. These machines were sold with the return privilege, and every one of them stood the test of actual use.

A Sure Hatch Incubator is a money-maker for its owner and a trade-winner for us. It hatches more chicks that will live and grow to the 100 eggs than any other incubator made. That is the secret of the wonderful growth of our business. There's all the difference in the world is the various makes of incubators.



The kind that hatches chicks that live.

The Sure Hatch keeps its place at the head of the list, because every machine we sell is so well made that we are willing to stake our reputation and our money on the results it will show in operation. Take the matter of material. We found by extensive tests that the best wood to use in incubators is redwood. Consequently we build our machines of clear California redwood, and we know they will never warp or crack, shrink or swell. We make the tank and heating pipes of copper because it practically lasts forever. We use asbestos lining because we want the best non-conductor of heat or cold. Some so-called incubators are simply thrown together in the quickest and cheapest manner possible. Sure Hatch Incubators are carefully made by expert workmen in the largest incubator factory in the world, with the aid of the most modern machinery. They embody thoroughly scientific principles. The Sure Hatch water Heater has 139 square inches of heating surface, and only a small fraction of it is outside. Heats quicker and at less expense than other heaters.

The eggs are heated from the top, by air that is kept automatically at just the right temperature. 30 cents worth of oil is enough for one hatch. 30 cents worth of time is a liberal allowance for necessary care.

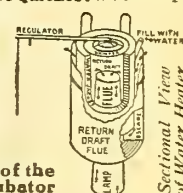
We offer on 60 Days' Trial, Freight Prepaid, east of the Rocky Mountains. Our 100-Egg Sure Hatch Incubator (actual capacity 120 eggs) guaranteed five years.

Send \$10.00 and we will ship the machine at once. Money will be refunded if not absolutely satisfactory. We can make quick shipment. If you live east of the Mississippi River, address Indianapolis, Ind. If west, Clay Center, Neb. Our big Free Catalogue now ready. Invaluable hints to poultry raisers. Get a copy. Write us at once.

SURE HATCH INCUBATOR CO.,

Box 6715, Clay Center, Neb.

Box 16715, Indianapolis, Ind.



EDITOR AMERICAN POULTRY JOURNAL:

I note with amusement the very conservative figures Mr. Edwin W. Fly gives in his article on "How to make \$900 per year from 900 hens." Most of his figures are in the range of possibility, but what poultryman has a flock as large as Mr. F. figures on average 183 eggs each.

Let us stop and consider in this flock of 900 head there are (must be we might say) three classes of layers: the extra good, the good and the poor, to meet this average the first named must lay 200 eggs each and perhaps more. The next best 150 or better, while a good per cent of the last named class will lay about enough to pay for their keep. I have known individual hens to lay over 200 eggs in 12 months, but what man can truthfully say he has even 150 hens that average him that number of eggs in 12 months. I have devoted considerable time and study to increase the egg producing quality of my fowls (an American variety), but the best I have done was an average of 177 eggs each in 12 months. From a pen of four pullets poultry farming can be made to return large incomes on paper. This is one of the rocks on which one-half the amateur barks are wrecked. They set down and figure it all out or see some other fellow's figures and jump into it all over. Go slow and learn by experience, not figures. There's no gold mine in the

poultry business, but a good living and some to lay by for a rainy day, if handled properly.

E. MILTON HALPIN.

Mortimer, N. Y.

EDITOR AMERICAN POULTRY JOURNAL:

The following report of the first three months of the Kansas Laying Contest may be of interest to your readers.

Five varieties of fowls are entered and on January 31, 1905, stood as follows:

American Reds have led from the first, all six birds laying. The close of this first quarter probably marks a period of the contest as they are now molting, but so far the only bird to approach their record is Wyandotte pullet No. 4011, who, during one month, equalled the best month's record of the best Red—24 eggs.

R. C. W. Leghorns are next with all six laying. They are making a fine record in low cost production.

White Wyandottes stand third with three birds laying.

Barred Rocks are next with only two birds laying.

Light Brahmas are last with three birds laying.

In the table following the pen comparisons come first, followed by a comparison of the best individuals. There is quite a difference in several particulars.

Pen comparison, totals for three months:

	Eggs.	Feed.	Feed.	Egg
		lbs.	value.	value.
Am. Reds . . .	214	183.6	\$1.81	\$2.50
Leghorns . . .	145	168.8	1.64	2.43
Wyandottes . .	81	187.2	1.85	1.36
Rocks	51	202	2.06	.85
Brahmas	25	200.3	2.03	.42

Pratts Animal Regulator
produced that glossy coat.

Made by Pratt Food Co., Phila. Over 30 years old.

ORPINGTONS

AUTOCRATS

OF SHOW ROOM AND UTILITY

Black Minorcas

White Plymouth Rocks

Make a record—win at late Madison Square Garden, N. Y. Show, eight 1sts, two 2ds, including 1st pen each variety in the largest and strongest classes ever in the Garden. If you want quality, breeders or eggs for hatching from the BEST, send for our new illustrated catalogue. 2 cent stamp appreciated if handy.

GREYSTONE POULTRY FARM

YONKERS, N. Y.



White Wyandotte Eggs

From the "Original World's Best" Strain

of J. C. Fishel & Son

Now is the time to buy eggs. Prices on eggs. Prices \$5 per setting of 15 eggs, of 50 eggs for \$15, selected from that yard. Now if you wish eggs from a special yard the price is \$10. See catalogue. We can ship eggs any distance with perfect safety and guarantee hatch. Our matings for this season will simply be immense—fourteen yards, and not a bird that shows a tinge of brass or straw color. They are absolutely white, stay white, and are all winners. Note our winnings in catalogue, and also our last show of 1904; is not that proof of our claim, "THE WORLD'S BEST?"

At the Indianapolis State Poultry and Pet Stock Show, 1904, winning seventeen prizes out of twenty-one entries, besides \$25 silver cup given by White Wyandotte Club for best display; W. Wyandottes and many other specials; 1, 2, 4 cocks; 1, 2, 3, 4 cockerels; 1, 2, 4, 5 hens; 1, 2, 4, 5 pullets; 1, 2, 3 pen. Now is not that convincing evidence that Fishel's Strain of Stay White Wyandottes are the original world's best? If your stock lacks in head points, pureness of color, or the typical Wyandotte type, you should certainly improve your stock. This you can do by making a small investment in eggs with us.

OUR GUARANTEE: We guarantee nine chicks to each setting of fifteen eggs, or if the purchaser fails to get this per cent, we will duplicate the order at one-half price. We feel that any of our customers having the confidence in us to place their orders with us, we should have equally as much confidence in them to take their word for report of hatch, hence this proposition.

Send for catalogue or order direct from this ad.

J. C. FISHEL & SON

Box J, Hope, Ind.

Individual—best bird in each pen:

	Lbs.		
Am. Red, No. 3...	58	25.1	\$0.256 \$0.945
Leghorn, No. 98...	39	24.1	.233 .68
Wys. No. 4C11...	48	26.5	.263 .80
Rock, No. 45...	34	28.6	.293 .567
Brah. No. 8...	13	28.4	.289 .216

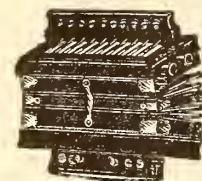
Yours for "Better Birds for Kansas." BEECHER & BEECHER.

Made by 30-year old company
Pratts Hog Cholera Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.



FREE

This Grand Solo
Accordeon for
selling 25
packages
Blowing
at 10 cents.

It's a beauty. Ten keys, two stops, ebonized case, double bellows, protectors and clasps. You can earn it in a day. We trust you. Send for Blowing, sell the packages at 10c, and return us the money. Then we send you the Accordeon. We also give Violins, Guitars, Mandolins, and other elegant presents. Write to-day.

Graphophones and 50 other elegant presents. Write to-day.
TRUE BLUE CO., DEPT. 535, BOSTON, MASS.

100

Envelopes 3 1/2 by 6 1/2 inches, an extra thick, strong, smooth, hard slick white writing surface, and 125 Letterheads, 8 1/2 by 11 inches an extra heavy, hard, slick, fine smooth, pure white writing paper. All artistically printed to your order and illustrated with latest new Standard cuts of your choice breed of fowls, postpaid for \$1.00. Better printing at the price was never done. I'll please you. Make all money orders payable to me at Big Clifty, Ky.

J. R. HUDSON, HARDIN SPRINGS, KY.
We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.

12 firsts and silver medal at late December 1904, and Jan., 1905, Chicago shows, where we can and will furnish you as fine eggs as money will purchase. Eggs from carefully mated pens of Buff Orpingtons \$2 per 15, \$10 per 100, \$90 per 1000. C. S. BYERS, Box A, Hazelrigg, Ind.

Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

NATIONAL SINGLE COMB BUFF ORPINGTON CLUB.

It will undoubtedly be interesting to all poultrymen, especially breeders of Buff Orpingtons, to know the rapid progress the National Single Comb Buff Orpington Club has made in the short time it has been in existence. The club was organized last August and in less than five months of active service has passed the 100 mark and at this writing is receiving members every day. The club is in receipt of letters daily from members setting forth the benefits and pleasures derived by becoming members of the club, and especially from those who have been fortunate in winning the club's silk trophies or silver cup.

During the coming show season the club will offer a handsome silver cup in every state where they have ten or more members, the show at which it will be offered to be decided by vote of members in said state. As there are numerous states that will still lack a few members of having enough to compete for the silver cup, it will be to the interest of every buff breeder who is not now a member to join at once as the voting will take place early in the fall. The club will also continue its policy of offering their elegant silk trophy to any member winning a first prize at any poultry show where there is two or more competing in the same class. These trophies are said by all who have won them to be the finest and most expensive

ever offered by a specialty club.

The club will soon issue something entirely new in the way of a club catalogue and will give each member a space in the catalogue free of charge, consisting of their name and address. This advertisement alone will be worth more than the membership fee amounts to, and all breeders who contemplate joining are urged to do so at once that they may be enrolled in our catalogue.

The club membership now consists of nearly every breeder of note and those that are not now members have expressed their intention of becoming members at an early date. We cannot recall any other club that has made such rapid progress in so short a time, there being hardly a state or territory in the Union in which we are not represented. The membership fee of the club is \$1 and annual dues of \$1, but in order to secure a large number of new members before we issue our catalogue we will receipt all new members to October 1, 1905, and include membership fee for \$1. Besides this, you get your name in the club's catalogue, which you cannot afford to miss. For application slips, circulars and full information of the club, address the secretary.

DR. E. P. CUNNINGHAM, Pres.

WILL H. SCHADT, Sec. and Treas.
Goshen, Ind.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Perhaps the Wisconsin readers of your journal will feel some interest in knowing that the poultry in-

dustry has found its way to Oconomowoc—long since famous for its beautiful lakes and picturesque scenery—and it is hoped that in time the poultry bred and raised by Oconomowoc breeders will likewise be as famous.

A preliminary meeting of local fanciers was held on March 4, at which time a committee on constitution and by-laws was appointed, it being the sense



R. C. BUFF ORPINGTON.

First prize cock at World's Fair, St. Louis. Owned and bred by J. M. Williams & Co., North Adams, Mich.

of the meeting to form an association, hold meetings from time to time, when subjects bearing on the industry may be discussed. It is believed that these meetings will result in good and tend to advance the interest in pure bred poultry. An adjourned meeting was held later, when a set of by-laws and a constitution was adopted. The association



Chicago Poultry Supply House

(INCORPORATED)

WESTERN REPRESENTATIVE

MODEL INCUBATORS and BROODERS

Manufactured by Chas. A. Cyphers
Everything for the poultryman.

Bink's Star Whitewash and Spraying Machines

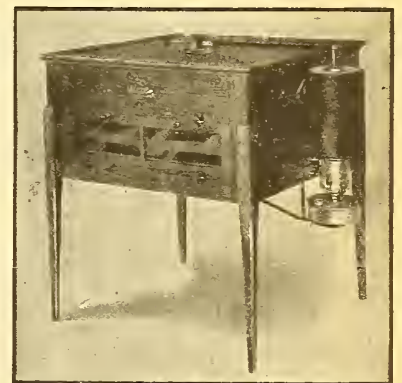
Best adapted for use around poultry farms, etc. Thousands of our machines now in use. Twelve different styles and sizes. Write for catalogue No. 2.

The STAR BRASS WORKS

154 E. Lake St.,

Chicago, Ill.

CHICAGO POULTRY SUPPLY HOUSE



Send for price list. All orders shipped same day they are received.

Philip's Chick Feed \$2.25 per 100 Pounds.

Puritan Chick Feed brings the chicks past the danger line and saves Bowel Trouble.

632 Lakeside Bldg., Chicago

WHITMAN'S S. C. B. LEGHORNS

of birds for you. I have birds scoring as high as 94½ by good reliable judges. Write me your wants. Reasonable prices.

R. T. WHITMAN, R. R. 1, Belvidere, Ill., Member S. C. Buff Leghorn Club.

Won again at the Northern Ill. Poultry Show. My 1st prize cock bird Judge Holden pronounced "a bird among a thousand." EGGS from my pens will produce the same quality.

Exmoor Brown Leghorns**WITTMAN LINE**

are the undisputed champions. We bred the 1st prize pullet at Madison Square Garden, 1905, the seventh year this line has won 1st pullet at this show. In writing for prices of stock state fully just what you want. Egg orders booked now at \$5 per sitting. Address all letters to

EXMOOR FARMS
C. A. Dutton, Supt.

EDGAR A. WEIMER,
354 Harmon Ct., Lebanon, Pa.



SWETT'S BUFF LYMOUTH ROCKS

PRIZE WINNERS WHEREVER SHOWN. Cock at head of pen No. 1 scored 92 by McClave. Pullets score from 93½ to 94. Eggs \$2.50 and \$3 per setting of 15.

A. R. SWETT,

ALMORA, KANE CO., ILL.

DON'T RUN THE RISK

of not getting plenty of fertile eggs

Feed Triumph Foods, The Easy Fed Feeds.

Absolutely the correct ratio and containing everything necessary for the best possible results.

Write today for circular containing detailed description of our foods.

Triumph Green Mash, \$2.00 per 100 pounds.

Triumph Grain Ration, \$2.00 per 100 pounds.

Triumph Chick Feed, \$2.25 per 100 pounds.

ELMDALE FARM C. L. DUFFIELD, Prop.
Room 11, Commercial Bldg., Marshalltown, Ia.

S. C. W. LEGHORNS

We have for sale EGGS FOR HATCHING from the very highest quality of Single Comb White Leghorns, mated to produce winners, at \$2 and \$3 per 15. Our breeding pens contain only the cream of our flock, and are mated to produce not only high grade exhibition stock, but also layers. Our breeding pens contain only well matured specimens of large size, snow white plumage, standard shape, bright yellow legs and beaks. If you want to breed modern Leghorns, the money-making kind, order your eggs from us and you will not be disappointed. Satisfaction guaranteed or your money back is our motto. We also have several fine breeding cockerels for sale at \$2.00, \$3.00 and \$5.00 each.

JOHNSON BROTHERS

110 Angle Ave.

Council Bluffs, Ia.

will be known as the Oconomowoc Poultry and Pet Stock Association, and it was determined to hold an exhibition the coming winter. The association has a charter membership of nearly fifty and from the encouragement with which the plans of the association are meeting, it is believed the membership will be doubled by show time. The membership fee is \$2 and the annual dues \$1. Outside breeders of poultry and pet stock are invited to join the association. Applications may be made to Dr. H. J. Larson, corresponding secretary, Oconomowoc, Wis. The officers of the association are: President, R. H. Poston; vice-president, Charles Brent; corresponding secretary, Dr. H. J. Larson; treasurer, H. C. Behrend; show secretary, H. E. Rosenow.

ARTHUR C HATHAWAY.

Oconomowoc, Wis.

WISCONSIN STATE POULTRY SHOW.

The eighth annual exhibition of the Wisconsin State Poultry Association was the largest and most successful ever held in the state. Birds from all parts of Wisconsin were exhibited, and the large Armory building at Oshkosh was filled with birds of high quality. Many fanciers were present, making the show more pleasant to all. From a business standpoint every exhibitor must have been satisfied, for over 100 birds were sold during the show. Oshkosh is one of the best of sales towns. Because of its central location and superior railroad facilities, many buyers are in constant attendance looking for the best. Judge Shellabarger placed the awards.

Barred Plymouth Rocks were the largest class, 125 birds being shown. The quality was right up to the quantity. White Rocks were out in force, among them birds fit for the keenest competition. The Buff Rock class was very small, but some good birds were shown. In White Wyandottes there was a class of the very finest specimens. One exhibitor had something of a walk-away, but this was due to the superior quality of his birds, not to the poor quality of the others. Silver Penciled Wyandottes, Buff Wyandottes, Partridge Wyandottes and Silver Laced Wyandottes were well represented. As usual the Black Langshan class was large and strong, partly due to the Langshan club cup offered here. The Bantam class at Oshkosh is always a large one, and this year was no exception to the rule. Other large and meritorious classes were, Cornish Indian Games, Single and Rose Comb Brown Leghorns, Single Comb White Leghorns, Light Brahmas, Rhode Island Reds and Black Minorcas.

The show next season will rival even this one in scope. Full particulars concerning it will be published later.

FRANK W. RADFORD, Secy.

Oshkosh, Wis.

The first annual exhibit of the Butler County Poultry and Pet Stock Association, held at Butler, Pa., Feb. 8-11, 1905, was a decided success, both socially and financially. The association is now preparing for a much larger show next winter.

It saved his chickens

Pratts Powdered Lice Killer.

Made by Pratt Food Co., Phila. Over 30 years old.

MIDSUMMER SHOW.

The Western New York Fanciers' Association will hold their second summer show at Celeron, N. Y., June 20-24, 1905.

Celeron is a summer resort on Lake Autaugaqua, two miles from the City of Jamestown, and is connected by a first-class system of electric railways, also by a line of excursion steamers. The location is simply perfect and there is no place that we know of where mid-summer shows can be held to such good advantage. The lake is well up in the hills and the weather during the middle of June is simply delightful. Birds came out in as good or better shape than when they left the yards, and when the fanciers learn the facts in regard to this show and its management, we predict that it will be one of the largest and best held anywhere in the country.

The middle of June is the one time in the year when the breeders can, without inconvenience, get away from their work for ten days, and we owe it to ourselves to take a vacation and there is no place in America where we could better combine business with pleasure and have a genuine "Old Fanciers' Love Feast."

Fishing in the lake is at its best at this season of the year. The large crowds from the cities have not come in such numbers as to crowd the cottages and hotels; accommodations are comparatively cheap, and one can secure boats of any style or make them their desire and for a very small sum can charter one large enough to take the entire crowd out for a day's trip.

So far as the show room is concerned, there is nothing in America that will touch it. The auditorium is

225 feet long, 165 feet wide and 65 feet high, perfectly lighted and ventilated from all sides. There is also an annex 800 feet long with a seating capacity of 10,000. One can form some idea of the building and its light when



The above illustration is of Buff Plymouth cock owned and bred by Robert Larmer, Stanberry, Mo. This bird has been shown at Chicago, St. Louis, Kansas City and twice at Topeka and Stanberry, seven times in all, winning five firsts, a second and a fifth, and is now heading one of Mr. Larmer's best pens for this season's mating.

we state that the National Photograph Association has held five annual conventions here, and has given this building preference over that offered by the

best cities in the United States and Canada.

Steps have been taken to have the association incorporated, and this will be accomplished before the show is held. Premiums will be given on fowls only. For further information write the secretary, J. W. Morris, Jamestown, N. Y.

WISCONSIN ASSOCIATION IS RE-ORGANIZED HERE.

Despite the inclement weather a large number of enthusiastic poultry and pigeon fanciers responded to the invitations sent out by the promoters, Messrs. Theodore Koss, William Stewart and C. G. Loeber, which read as follows:

"After due consideration, and knowing the need of a first-class and up-to-date poultry association, not only in Milwaukee but in Wisconsin in general, managed on strict business methods, we, the undersigned, advance the idea of reorganizing the Wisconsin Feathered Stock Association.

"We therefore ask you to favor us with your presence at a meeting for the purpose of discussing this proposition. We ask you to bear in mind that this meeting is called for the good of the poultry, pigeon and pet stock fraternity in general, and therefore urge not only you to be present, but to induce all those interested to come. Theodore Koss, William Stewart, C. G. Loeber."

The meeting was called to order by William Knell, who was elected president, and C. G. Loeber, secretary pro tem. After much discussion, which showed the true fanciers' spirit, the

MILLVILLE MATINGS FOR 1905

Will Produce Winners For America's Leading Shows

A 16-page list giving careful description and prices of eggs from every mating we have, is free for the asking. We will sell you eggs from every mating on the place, and you will stand an equally good chance with us of raising winners for 1905-6.

At World's Fair, St. Louis

we won as many firsts as any three other exhibitors combined. An unequalled record in largest show ever held, and in hottest classes. Our winnings were made with our

Barred, Buff and White Plymouth Rocks, Buff and White Wyandottes

During the past five years over 1200 prizes have been won by our birds at leading shows East and West. Cockerels fit to head your best pens \$5 to \$25 each. Carefully mated pens of five birds \$15 to \$50. REMEMBER, we pay return charges on any birds not proving satisfactory. We have the stock. We can and will please you.

SAMPLE TESTIMONIAL

Millville Poultry Farm Co., Millville, N. J.

Gentlemen:—My first prize Boston cockerel, and winner of the \$100 Challenge Cup for champion male bird is Millville Strain. He was sired by a cockerel raised from your eggs, mated to hens from your eggs direct and is a grandson of old "Gold Dust." I think your strain of Buff Rocks the best in the country today. When in need of new blood shall send to Millville.

Very truly yours,

Berwick, Maine, February 22, 1905.

(Signed) MELVIN FALL, JR.

We won Challenge Cup at Boston in 1902-3, and a Millville bird won it in 1905. Clean sweep for our strain since cup was offered. Our new catalogue will contain similar testimonials from customers of every variety. Mated for the asking. Millville stock and Millville methods will please you, and we hope to add you to our list of permanent customers.

MILLVILLE POULTRY FARM COMPANY

Maurice F. Delano, Pres., Box J, Millville, New Jersey

Fanciers and Enthusiasts WARNING

More failures and shattered hopes in poultry breeding have come from a wrong start with inferior stock than any other cause. If a start is made with a setting of eggs from real quality stock and the growing from it of a few **good ones**, success will come, provided nothing but quality stock be added from time to time.

Sixteen years ago we started in this way, with the result that today we look back on Elm Poultry Yard winnings in keenest competition that have been numerous and continuous. Our patrons share in these winnings.

During the past season our stock won over 500 prizes including Championship Cups, Medals, Specials, etc.

The reason of this tremendous success is that the stock is bred right.

Our 1905 illustrated catalogue is now ready. It gives a few facts about our Exhibition Bred Stock from special matings and our great laying stock from line-bred record layers. Post Card request will bring you a copy.

S. C. White Leghorns, White Wyandottes, White Plymouth Rocks
Barred Plymouth Rocks, Black Minorcas, Light Brahmas

our six great breeds which give, by test, the most pleasure and profit.

EGGS Exhibition matings \$5 for 12; \$10 for 36
Laying matings, \$2 for 12; \$8 for 100

High Class Angora Goats
and Fox Terrier (rat) Dogs



ELM POULTRY YARDS

Box 121, Hartford, Conn.



Elm Poultry Yard Types

Buff Cochins

Three Grand Cockerels
and One Cock for Sale
Write for Description

Partridge Wyandottes

The Kind That Win

At the Great Chicago Show 1904, 1st ck. 3 pullet, 1905, 4th cock, 3 pullet. Eggs for hatching. Write for prices

D. S. LOVEJOY, Elgin, Ill.

THINK A MOMENT!



Are you going to buy Eggs for hatching this spring? If so, why don't you buy where you will get the most for your money. I have some of the

Best Barred Rocks and W. Wyandottes

that twelve years' experience can produce, and I will give you more value for your money than most any other breeder, and feel certain I can please you. My stock is of good size, shape and color, bred from heavy laying strains, and I have produced many high scoring prize winners. All customers will get EGGS from my very best pens, including all my prize winners, at the low price of \$2 per setting. All orders will receive my personal and careful attention. I solicit your patronage.

Geo. M. Kline, Box B, Downers Grove, Ill.

CHAPMAN AND McQUILLANDE

...BREEDERS OF...

PLYMOUTH ROCKS BARRED and WHITE

At the great New York Show, Herald Square, we won more prizes on White and Barred Plymouth Rocks than any other two exhibitors, and swept the board clean on White Rock cockerels winning 1, 2, 3, 4 and 5th. Many of the best prizes at the big shows this year have been won on birds of our breeding. Write for our catalogue and mating list. Some grand young stock for sale. Eggs \$6 per setting.

CHAPMAN & McQUILLANDE
Box O, W. Hartford, Conn.



motion was finally made and seconded to reorganize the Wisconsin Feathered Stock Association. This motion was carried without a dissenting vote. The first thing in order was the election of officers, which resulted as follows:

President, Theodore Koss.

First vice-president, H. F. Crandall.

Second vice-president, Dr. Arthur Cohn.

Secretary, C. G. Loeber.

Treasurer, William Stewart.

It was decided that the committee on rules and regulations consist of the board of officers and William Knell. They will frame a constitution and by-laws and report at the next regular meeting, which will be held Wednesday, March 1, it having been decided to hold the meetings the first Wednesday in each month.

A resolution which was adopted and which should be kept in mind by all interested in the club is the following:

Resolved, That the initiation fee for charter members be fixed at \$1, and that all fanciers signing the membership roll at or before the next regular meeting shall be accepted as charter members. Any information desired will be gladly given by the secretary, whose address is 1717 Walnut street. The following is a list of persons who were enrolled as charter members:

Theodore Koss, H. F. Crandall, Dr. Arthur Cohn, C. G. Loeber, William M. Stewart, William R. Knell, M. A. Freedy, John Nowak, F. C. Zacher, F. W. Andree, M. H. Traub, G. W. Schubert, William Tegge, H. G. Schmidt, J. N. Koop, R. W. Rosenberg, W. C. Herzog, August Richter, Sr., George Taege, P. I. DeGelleke, Edward Roloff, Joe DeGelleke, J. C. Schulz, J. Valier, Charl Kaiser, J. S. Bletcher, Charles Rauser, C. L. Roloff, Charles Houtkamp, John Splavie, Louis Wild.

DALTON, MASS.

The Dalton Poultry, Pigeon and Pet Stock Association held their annual meeting Feb. 11, 1905, and elected the following officers: President, Granville A. Parker; vice-presidents, Peter J. Tyre, of Lenoxdale; S. P. Briggs, Fred G. Strong, Milo Goodell, of Pittsfield; Charles H. Cooper, of Dalton; executive committee, George C. Maynard, Robert Whitaker, Charles Landers, George Crew, W. M. Cooper, M. E. Stockbridge, Fred G. Sears, A. K. Cleveland, Wesley Barton, O. M. Shedd, H. A. Messenger, George W. Ferry, Lawrence Howorth, Charles E. Parker, Nathaniel Morris; hall superintendents, W. M. Cooper, A. K. Cleveland; treasurer, Charles E. Wilner; secretary, W. H. Griswold. The association voted to hold a show four days, January 16, 17, 18 and 19, 1906, and to engage I. K. Felch of Natick as judge.

CRESCO, IOWA.

The second annual show of the Howard County Poultry Association will be held at Cresco, Iowa, Jan. 31st to Feb. 3d, 1906. Geo. D. Holden will do the judging. Jno. M. Davis, secretary, Cresco, Iowa.

Hastens growth of little chicks
Pratts Poultry Food.

Made by Pratt Food Co., Phila. Over 30 years old.

BELVIDERE, ILL.

The sixteenth annual exhibition of the Northern Illinois Poultry Association was held first week in February and was a decided success in every way in spite of the extreme cold weather. There were 858 birds entered, the finest all-around collection of specimens that has ever been gathered together in the history of the association. Judge Holden, of Owatonna, Minn., placed the awards.

TOLEDO, OHIO.

The Toledo Fanciers' Association held at Toledo, Ohio, Feb. 1-6, 1905, was a big success in number of exhibits, qual-

which follows the Alameda show by a few days, and which will enable all fanciers who exhibit at the Alameda show to stop their birds en route south and thus make a circuit of the coast shows.

This show will be judged by comparison and will be the first show so judged that has been held by this association, and a corps of competent judges will be selected as soon as they can be communicated with and terms arranged.

GEO. R. ANDREWS, Sec.

Fresno, Cal.

ANTWERP, OHIO.

The annual show of the Antwerp Poultry and Pet Stock Association proved a financial success. The entries

land Silver Pencilled Wyandotte Club was organized, the following officers were elected: President, F. W. Rogers, Brockton, Mass.; first vice-president, Guy H. Hubbard, Penacook, N. H.; second vice-president, Howard D. Gordon, Hazardville, Conn.; secretary and treasurer, C. H. Pope, Brockton, Mass. There will be added a vice-president for each New England state except the one in which the president resides.

The fourth annual exhibition of the Electric City Poultry, Pigeon and Pet Stock Association, held at Schenectady, N. Y., Feb. 1-4, 1905, was a record breaker, both in number of entries and attendance. The classes were all well filled, particularly the buff varieties, Buff Leghorns being the largest class, with R. I. Reds a good second.

The Western Illinois Poultry Association is to be permanently located at Mt. Sterling, Ill., where they expect to hold a show next winter. Eugene Hambaugh, sec., Mt. Sterling, Ill.



"KING COLE."

First prize cock at Chicago, January 23 to 28, 1905. All judges pronounce this bird one of the best cock birds in America, having all of the good qualities of the Rock family. This bird will head my first and special pen. Owned and exhibited by Dearborn Poultry Yards, Dearborn, Mich.

ity of specimens and attendance, and they are now making plans for their next annual show, which they expect to make even larger than the one just held.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—The Fresno Poultry, Pigeon and Pet Stock Association has come to life again and elected a new set of officers and determined to hold another show this fall. We have had no show for the past two years, but are going in now with renewed vigor and intend to hold the biggest show and the best show that we have held yet. We have selected the dates, December 13 to 16, inclusive,

were much larger than anticipated, and quality fine; more than two-thirds scored over 90. The next annual show will be held in December next.

POULTRY MEETING.

The annual meeting of the Pierce City and Monett Poultry Association will be held at the office of the secretary, in Pierce City, Mo., at 2 p. m., Thursday, March 23, 1905, at which time there will be held the annual election of officers of the association. THOS. CARLIN, Sec.

Pierce City, Mo.

At the meeting at which the New Eng-

200 Stay White

Wyandotte Cockerels

Big, vigorous, stay white birds, many of them bred by "ROYAL WHITE," first prize cockerel at New York, 1904. My White Wyandottes have won at the largest shows in strongest competition. I made one entry

At Boston, 1905

and won first prize and specials for best breeding pen in strongest company.

EGGS 1 sitting \$5.00; three sittings \$10.00
5 sittings \$15.00; \$20 per 100.

From the whitest and best in America

A. C. HAWKINS

Lock Box 25, Lancaster, Mass.
See ad on back cover.

BUFF ROCKS

50 Cockerels \$2.50 to \$15.00
100 Pullets and Hens \$1.50 to \$5.00

Blood as good as the best. Look up our show record in previous ads and sensational price we sold for at Chicago show last year

EGGS \$2.00 Per Setting

John J. Keig & Sons

Romeoville, Ills.

P. O. LOCKPORT R. F. D. 4

Bigler's Poultry Compound

a guaranteed cure for Cholera and Roup, and the greatest egg producer on earth.

BIGLER'S LICE KILLER

the greatest insect Destroyer known. Price 50 cents a package postpaid, and your money back if they fail to give satisfaction. We want a reliable man with horse and rig in each locality to act as agent either on salary or commission. Send for terms and contract. Eggs for hatching from high scoring Barred Rocks \$1.50 per 15. As good as others ask \$3 for. Stock at reasonable prices. Illustrated circular free.

G. R. BIGLER CO., X 920, Springfield, Ill.

DID YOU KNOW

THAT THE

WHITE ROCKS

That have won the big prizes and sold for the big prices at the **NEW YORK Shows** for fifteen years were the product of my strain? They were the descendants from sports from the **Royal Blue Barred Rocks** and inherited the winning habit that has made the **Royal Blue Strain** famous. I can sell you **EGGS** and **BIRDS** that will produce

WHITE ROCKS THAT WIN

A. G. HAWKINS

Box 25 Lancaster, Mass.

See ad on back cover.

NOW IS THE TIME To begin making calculations on your poultry matters for the coming season. I am still in business with either birds or eggs of the **Rose Comb Brown Leghorns**, **Barred Plymouth Rocks** and **Buff Orpingtons** and **Silver Laced Wyandottes** and have stock that has scored as prize winners at the Nebraska and Colorado shows, and at St. Louis Exposition. Write me your wants and I will guarantee to suit you as to quality and price. Have nothing to give away, but have first-class stuff at reasonable prices. **JAS. H. TROUGH,** Pleasant Hill Poultry Farm, Minden, Neb.

WHITE ROCKS WYANDOTTES Hawkins and Jefferson
WHITE INDIAN GAMES Bicknell
BUFF ORPINGTONS Cooks **ROCKS** Shaws

Here's what you are looking for something good at a very low price. The direct progeny of New York and Chicago winners. Eggs \$2.00 per 15, \$5.00 per 50.

C. L. McFERREN, BELLVILLE, O.

THE IMPROVED CHAMPION LEG BAND

25 PAT. APPLIED FOR

Aluminum or copper, two sizes, adjustable to fit any fowl. Held by double lock. They can't lose off. Initials, 10 cents per 100 extra. Also Pigeon Bands.



THE SUPERIOR

is securely locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind, No. to suit, 12, 15c; 25, 30c; 50, 50c; 100, 80c. Sample for stamp. Circular free.

T. CADWALLADER, Box 802, Salem, Ohio.

SPECIAL FEED CROPS FOR POULTRY.

The necessity of providing corn, and sometimes wheat and oats for winter food for poultry, is generally understood, but if to these were added a supply of other grains and vegetables our poultry would be better conditioned and much more profitable. Imagine the result if we were put on a diet of corn bread exclusively, yet nine out of ten think their duty done by throwing out more or less corn, and gathering the few eggs.

When fowls have unrestricted range through the summer this treatment appears to fulfill every obligation, as nature in her generous way supplies the required demand, but when ice and snow has covered the ground and our poultry is confined to close quarters a variety of food should be given.

Experienced poultry men understand the value of a variety of foods, and that it is essential for the health of fowls,



SILVER PENCILED WYANDOTTE.

First hen at Detroit State Show. Owned by H. H. & E. M. Coburn, Memphis, Mich.

and the production of fertile eggs from which we can expect strong, healthy chicks, but the inexperienced must learn all these things.

Of these "Special Crops" let us call the attention to a few that are cheap and easily grown.

As to special grains we may name buckwheat, as the most valuable for the production of eggs. This grain can be sown as late as July, in fact, this is the month it is usually sown. It yields from 20 to 40 bushels per acre, according to conditions and seasons, and is but little trouble to handle.

Sunflower seed should be included in the bill of fare of all well regulated poultry yards. They are equally valuable to old and young poultry. The amount of oil they contain gives brilliancy and gloss to the plumage, unequal to any other food. They are quite easily grown and need but little care. One year we raised something like 15 bushels of the Mammoth Russian, by planting be-

tween the tree rows of a young orchard. In the fall the large heads were cut off, placed in a wagon and thrashed. The seeds were then stored in barrels in a dry place and made an excellent change of diet. Even when fed in large quantities no bad result followed as the husks or shells are taken with the meat.

The seeds of the common millet, golden millet, sorghum, and broom corn make a valuable list of good cheap foods.

Barley, too, is well known to be an excellent food in the poultry yard.

Among the vegetables cabbage is the cheapest and most easily obtained of green foods for winter; enough can be raised by putting out a few more plants than are needed for the family's use, and can be stored away in barrels set in the ground and covered over; and are convenient when needed.

Onions should also be grown and kept for fowls—they are considered very healthy and when chopped moderately fine are eagerly consumed by fowls. Enough potatoes can be planted to have the small ones used in the poultry yard. Well cured green corn stocks and clover hay should be provided as regularly as hay for other stock; it helps in the assimilation of their food. We might enumerate many more grains and vegetables that are easily grown, but enough are mentioned to remind the new beginner in poultry, that May is a most excellent time to make arrangements to grow these "Special Feed Crops" for winter use in the poultry yard.

MRS. J. E. GRAY.

Columbus Jet., Iowa.

Don't Let Your Little Turkeys Die

...USE...
Turkey-Iene
The Wonderful Antiseptic Remedy and Tonic
THE NATIONAL TURKEY-LENE CO., Washington, D. C.



GREIDER'S FINE CATALOGUE

of Standard bred poultry for 1905, printed in colors, fine chromo, suitable for framing, illustrates and describes 60 varieties. Gives reasonable prices for stock and eggs, tells all about poultry, their diseases, lice, etc. This book only 10 cents.

B. H. GREIDER, RHEIMS, PA.

\$3 a Day Sure

Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free, you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work absolutely sure. Write at once.

ROYAL MANUFACTURING CO., Box 758, Detroit, Mich.

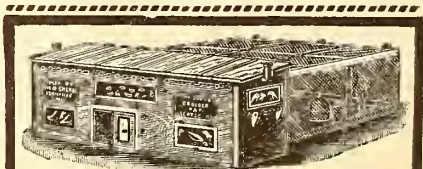


THE GEM Adjustable Leg Band.

Either band, price postpaid: 12 Leg Bands 15c; 25, 30c; 50, 45c; 100 75c. Sample Leg Band and Pigeon Bands with catalogue on Poultry Supplies Free.

SURE LOCK is made in 6 sizes

No. 1, 1/2 in; No. 2, 3/4 in; No. 3, 1 in; No. 4, 1 1/4 in; No. 5, 1 1/2 in; No. 6, 1 3/4 in. Manufactured by H. TURNER & CO., 6404 Ellis Av., Chicago, Ill. Sure Lock.



THE SHAUB COMPARTMENT BROODERS

have stood every test of time and tempest. Equally good for out or indoor use. Every year the sale of them increases and they always give satisfaction. They furnish natural conditions for the chicks and are constructed to give best results. Ten years of success have made the Shaub Brooder the leader of all. be machine in right and the price is right. Send for free booklet describing it. **M. O. Sherer, Box 101, Louisville, O.**

OFFICIAL BANDS

for marking Poultry at the Louisiana Purchase Exposition are the

Smith Sealed Also used exclusively at the Pan-American. Consecutive numbers, easy to read, never a duplicate made. Prices—12, 30c; 25, 50c; 60, \$1; 100, \$1.50.



Climax costs less, sure to stay, handsome, light. Over a million in use. Prices—12, 30c; 25, 50c; 60, \$1; 100, \$1.50. Send stamp and we will mail you samples.

The Keyes-Davis Co., Ltd., Dept. B, Battle Creek, Mich.

BROWN LEGHORNS.

THE EMPIRE STRAIN ALWAYS WINS.



GEO. H. BURGOTT,

LAWTONS, CATALOGUE FREE, LAWTONS, ERIE CO., N.Y.

EXHIBITED AT MADISON SQUARE GARDEN.

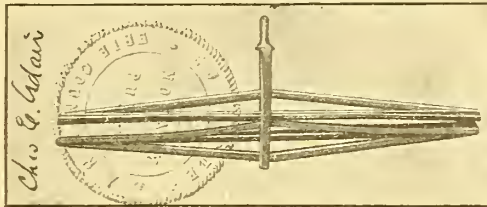
FAIR WARNING TO ALL

The Following Affidavits should be read twice at least by such persons as are **Making, Using or Selling** the articles referred to therein:

STATE OF NEW YORK, }
County of Erie, } ss
CITY OF BUFFALO.

Affidavit of Charles E. Adair.

Charles E. Adair, being duly sworn, states as follows:
(1) That I am the original and first inventor of the thermostat, an illustration of which is attached hereto.



- (2) That I invented this device prior to December 31st, 1903, and during the year 1903 I manufactured and sold incubators containing it.
(3) That I have sold the said thermostat and all my rights in it to the Cyphers Incubator Company.
(4) That to the best of my knowledge and belief the thermostat now being manufactured and sold by Charles A. Cyphers is an infringement of my invention, and proceedings are being taken to protect the rights of the Cyphers Incubator Company therein.

Chas E. Adair

Subscribed and sworn to before me this 11th day of March, 1905.
[Signature]
Notary Public.

STATE OF NEW YORK, }
County of Erie, } ss
CITY OF BUFFALO.

Affidavit of Clarence Zane Davis, Buffalo, N. Y.

Clarence Zane Davis, being duly sworn, states as follows:

- (1) That during the year 1903 I was in the employ of the Cyphers Incubator Company as expert mechanic; that I left said employ for a period of several months, and that I am now again employed by said company.
(2) That during the year 1904 I conceived, designed and constructed the thermostat now being manufactured and sold by Charles A. Cyphers, as shown in the accompanying cut.



- (3) That I believe the said thermostat is legally and rightfully the property of the Cyphers Incubator Company by reason of priority over my invention, and in the face of the information I now possess I make no further claim to being the first inventor thereof.

Subscribed and sworn to before me this 7th day of March, 1905.
[Signature]
Notary Public.

To Whom It May Concern.

THE CYPHERS INCUBATOR COMPANY, having had its attention drawn to the fact that Charles A. Cyphers (among others) is manufacturing and selling to innocent persons an incubator that he calls the "Model," and a thermostat, the patent rights of which are owned by this company,

This is to notify all interested persons as follows:

- (1) That the Model Incubator is claimed by us to be an infringement of patent No. 530,163, owned by this company.
(2) That the Cyphers Incubator Company has begun suit in the United States Circuit Court for the Western District of New York against Charles A. Cyphers to restrain him from selling the Model Incubator, which suit for infringement is being vigorously prosecuted.
(3) That the Cyphers Incubator Company hereby announce their intention of prosecuting all those who infringe their patents either by selling or using Model Incubators like that in suit, and that this is to be considered notice of the fact.



- (4) That the thermostat illustrated hereon is the sole property of this company.

- (5) That the Cyphers Incubator Company has begun proceedings relating to its patent rights in the thermostat illustrated herewith, and that said company will demand redress and damages for the manufacture and use of the said thermostat without its permission.

- (6) That suit against other persons or companies infringing the rights of this company by making or by using or by selling articles patented by it, will be instituted as evidence is collected.

That the following is an exact quotation from the opinion of a foremost patent expert recently given to the Cyphers Incubator Company.

"I have carefully considered the question submitted to me as to whether or not the Model Incubator, as illustrated in print submitted to me and described in Chas. A. Cyphers' pamphlet, is an infringement of the Cyphers Patent, No. 530,163, Dec. 4, 1894. In my judgment there is no question but that the Cyphers Model Incubator is an infringement of the Cyphers patent."

Subscribed and sworn to before me this 15th day of March, 1905.



CYPHERS INCUBATOR COMPANY.
[Signature] Pres.

[Signature]
Notary Public.

CYPHERS INCUBATOR CO., Buffalo, N. Y., U. S. A.



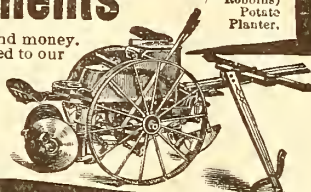
Your Spring Help

What kind of help will you have this spring. Will you do your work the old way with many men and much expense, or employ the time-saving, laborlessening and money-making

IRON AGE Implements

These famous tools double each man's capacity—saving time and money. Our new No. 25 Fertilizer Distributor attachment may be applied to our famous No. 6 combined tool, or to our No. 1 Double Wheel Hoe as is the case with the Seed Drill attachments. This labor saving implement and the Iron Age (Improved Robbins) Potato Planter are fully described in "Iron Age" a book which should be in the hands of every gardener and farmer who would be more successful. Sent free.

BATEMAN MFG. CO., Box 119, Grenloch, N. J.



Iron Age
(Improved
Robbins)
Potato
Planter.

JULIUS J. KLEIN.

AMOS A. ANDERSON.

SUNNY SIDE POULTRY FARM

Buff and Barred Plymouth Rocks, Partridge Cochins, Light Brahmas, Embden Geese and Pekin Ducks.

Catalogue free.

SUNNY SIDE POULTRY FARM,

Macon, Illinois.

EGGS FOR HATCHING

From our winners at Washington, Cincinnati, Indianapolis, Louisville and Birmingham. No more stock for sale. EGGS guaranteed to hatch regardless of distance. S. C. B. Minorcas, scoring 93½ to 95½, eggs \$2 per 15. B. P. Rocks, Bradley strain, \$2.50 for 15, \$1.50 for 30. S. C. W. Minorcas, scoring 92½ up, \$1.50 for 15, \$2.50 for 30. S. C. Brown Leghorns, Wittman strain, scoring 93½ to 95, \$1.50 for 15, \$4 for 45. Egg circular free, we have stamps Stock on two farms. Write your wants to

WINCHESTER POULTRY YARDS Geo. B. Nelson, Jr., Mgr. Winchester, Ky.

Waterfowl ALLYN'S ..Indians..

win Silver Cup at Southeastern Wisconsin Poultry Show. Cornish Indian pen headed by "Triumph," score 94½ by Russell. White Indian pen headed by 3d cockerel at St. Louis World's Fair. EGGS from Indian Runner, Cayuga, Rouen, Muscovy, Blue Swedish and Wild Mallard Ducks. White Chinese Geese and White Holland Turkeys. Circular free for asking. 190 acres devoted to poultry and waterfowl.

ALLYN POULTRY FARM DELAVAN, WISCONSIN

EGGS Barred Plymouth Rocks } Winners at Indianapolis
Light Brahmas } 1904
Mammoth B. Turkeys } Cincinnati, 1905

Barred Plymouth Rock EGGS from yards headed by large males and barred to the skin, \$2 per 15, \$3.50 per 30, \$5 per 45, \$10 per 100. Each one of my Light Brahma yards is headed by a prize winner. EGGS \$2 per 15, \$3.50 per 30, \$5 per 45, \$10 per 100. A limited number of turkey eggs \$5 per 10, straight. Eggs can be selected from B. P. Rocks and Light Brahmas apart from each, at the same price at the same time. Free circular giving prizes won.

GEO. O. ANDERSON Rushville, Indiana

TURNER'S WHITE PLY. ROCKS

I have a few more cockerels to spare that weigh between seven or eight pounds, good and strong, only \$3 each. A few that weigh more than eight pounds only \$5. I have some pullets, and good pullets at that, for \$3, but I have none for less. I have seven grand breeding pens of White Rocks that I will sell eggs by the sitting from, and I tell you one thing that the birds in pen No. 1 and No. 2 are eye openers, 15 eggs \$5; pens No. 3, and No. 4 comes next in the lead, \$4 per 15. Pen No. 5, every bird O K, \$3 per 15; pens No. 6 and No. 7 \$6 per 100. I guarantee 75 per cent fertile. You can order from this, it will save time, but I have a mating list that I will send to you if you write me (a stamp if handy). Tell me where you saw my ad.

M. P. TURNER

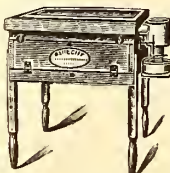
West Hampton, L. I.

\$7.00 Buys the Best **120-Egg Incubator** Ever Made.
\$4.50 Buys the Best 100-Chick Brooder.

Both Incubator and Brooder, if ordered together, cost but \$11.00. Incubator is double walled all over—best copper tank—hot water—self regulating—nursery. Brooder is the only double walled—hot water—brooder ever made. Satisfaction guaranteed. We pay the freight.

Our book, "Hatching Facts" tells all about them. Mailed free. Write for it today. Address

BELLE CITY INCUBATOR COMPANY, Box 27, Racine, Wisconsin.



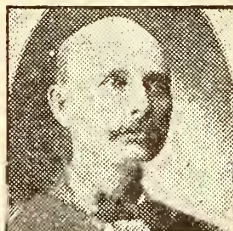
THE "SURE HATCH" RECORD.

The Sure Hatch Incubator Company started in a very modest way out at Clay Center, Neb., only a few years ago.

At that time they had a small factory and their output was limited to a few machines, but the success of the "Sure Hatch" was wonderful.

People who bought the "Sure Hatch" soon found that it gave good service hatched chickens, was easy to run, took little oil and little attention, and yet sold for a lot less money than the older, more complicated machines that did not give as good results.

As a consequence the sales multiplied very fast, and the Sure Hatch Incubator

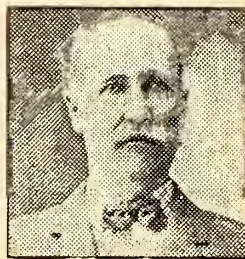


Dr. O. P. Shoemaker.

became the most popular machine on the market. They have sold over 60,000 of these machines throughout the whole United States, and Clay Center, Neb., is known far and wide as the "home of the Sure Hatch." The ownership of the "Sure Hatch" now is in the hands of Dr. O. P. Shoemaker and Wm. Seelig, the same gentlemen who financially backed it from the beginning. The management was changed two years ago. Dr. O. P. Shoemaker is now president. Mr. William Seelig, vice-president and general manager, has charge of the Indianapolis office. The owners now manage the business. The company's business methods are conducted on the Golden Rule plan. Every Sure Hatch patron is absolutely assured of a "square deal."

The company has made money, and a hundred thousand dollars backs up the Sure Hatch Incubator. They have without a question of doubt the best machine on the market this year.

The "Sure Hatch" is made to heat quickly with a small amount of fuel and a very little trouble, because the amount of heating surface (138 sq. in.) on the water heater is sufficient to bring the pipes full of cold water to the boiling point in from three to four hours in cold weather, something no other incubator will do.



William Seelig.

When the lamp's heat is being used, it is all used, and the egg chamber is heated to the proper temperature regardless of the weather. When the temperature in the egg chamber gets to the proper point, it stays there, because when it is hot enough the surplus heat from the lamp automatically escapes—a little, or all of it—just as may be necessary, and the temperature does not go higher. This great feature, this revolution in incubator heater manufacturing, is protected by patent and cannot be had on any but the "Sure Hatch."

"Sure Hatches" are good, they hatch and raise more chicks that live and grow to the 100 eggs than any of their competitors. The "Sure Hatch" record says so. The "Sure Hatch" record is made up of the testimony of the persons who, during the past six years, have purchased 60,000 "Sure Hatches." The "Sure Hatch" record is reliable. Tens of thousands of the best citizens and wealth producers of this great country of ours say the "Sure Hatch" is all right.

The Sure Hatch Incubator Company is offering the 100-Egg machine for \$10, freight prepaid. In writing, always address their Clay Center, Neb., office if you live west of the Mississippi, or the Indianapolis, Ind., office if you live east.

Joseph A. Burkhardt, of Smithsburg, Md., has about finished moving and has all his new buildings finished and is now ready to furnish Single Comb White Leghorn eggs in any quantity from 1 to 1,000 from the best pens he has ever mated.

Worms easy to cure.
Pratts Vet. Worm Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

No Dealer
Can Duplicate
Our Factory
Price



THE COLUMBUS CARRIAGE AND HARNESS CO., Columbus, Ohio.

SAVE 1/3

Our high grade carriages are made in our own factory, and sold exclusively by mail order at a saving of from \$15 to \$30 to the buyer. We warrant every vehicle to be just as represented or refund money and pay freight both ways. Send for free catalogue. It tells the advantage of buying from factory.

\$16.00 Double Walled Brooder For \$7.65

All high priced Brooders are heated with lamps which poison the air and injure the chicks.

Morgan's Sanitary Brooder is Warmed By Hot Water Storage, a soft radiated, economical, wholesome, healthful heat, easily regulated, that makes chicks grow large and strong. It is simple, roomy, clean and warm. Is better built and will raise more heavy, lively chicks than any \$16.00 Brooder ever made. Write us for full information. Sanitary House Co., Box A, Lamont, Ill.

THE \$50,000,000 WORLD'S FAIR, ST. LOUIS 1904

BOUGHT BY THE CHICAGO HOUSE WRECKING CO. Millions of Dollars' worth of material will be placed on the market for quick sale by us at prices that will mean an enormous saving to purchasers. Now is your opportunity to put into execution your long contemplated improvements.

100,000,000 FEET OF HIGH GRADE LUMBER FOR SALE

The time to buy Lumber is today. Even if you do not need any Lumber today, it will pay you to purchase it now and store it for future use. It is better than money in the bank. Buy quick because the price at which we will offer this material is bound to sell it as fast as we can make delivery. The finest grades of Lumber were used in the construction of this Grand Exposition. We have everything needed in the construction and furnishing of a building for any purpose.

SEND US YOUR LUMBER BILL FOR OUR ESTIMATE

YOU CAN SAVE FROM 30% TO 50% IF YOU BUY AT ONCE. This is your opportunity to build or improve your Home, Barn, Warehouse, Church, Elevator, Tool Shed, Granary and Yr. Store, School House, and in fact any kind of a building. We can furnish you anything in the line of Manufactured Articles, Roofing, all kinds, Wire Fencing, Pipe, Furniture and thousands of other items. ASK FOR OUR SPECIAL CATALOGUE 15c. **CHICAGO HOUSE WRECKING CO., EXPOSITION GROUNDS, ST. LOUIS, MO.**



If You Want a FENCE

SEE THAT TWIST!!!

That is made from the best High Carbon Steel Wire. That is heavily galvanized to prevent rust or corrosion. That is COILED to provide for contraction and expansion. That is strong enough to turn the most vicious animal. That is woven closely to turn chickens and small pigs. That staples to the posts as you would nail a board. That easily adjusts itself to all uneven surfaces. That is woven in such a manner that compels every wire to bear its portion of strain. That you can buy direct from the firm that makes it, with freight prepaid to your nearest railroad station. That you can examine at your railroad station and return it if it displeases you in any particular. That you can erect and use for Thirty Days, and if unsatisfactory return at our expense and get your money. Write for Free Catalog giving full information. Address, **KITSELMAN BROS, Box 295, MUNCIE, INDIANA.**

TROUBLESOME PARASITES.

It would seem that everything possessing life has an enemy of some sort. Parasites attack both plant and animal with a persistence and destructiveness which, if unchecked, works ruin and frequently death. Just what part these pests play in the economy of nature is sometimes hard to determine. That their extermination is, in many cases, an absolute necessity is certain. The George H. Lee Company, of Omaha, Neb., manufacture a preparation called Lee's Lice Killer for destroying parasites on poultry, hogs and other stock. It is a liquid and is especially designed for killing lice and mites on chickens and hogs without handling, dipping, dusting or greasing fowls or animals. To do this requires a fluid of sufficient strength so that the gas or vapor given off from it will kill the lice without touching them with the fluid itself. At the same time it must be harmless to fowls, animals or operator and perfectly safe to handle. Lee's Lice Killer is placed on the market as a preparation meeting these requirements and is extensively used not only for poultry but for horses and cattle as well. In their booklet describing this article it is said that the dollar's worth of Lee's Lice Killer will go farther than twice that amount of any other lice liquid or powder in the world. There are also many testimonials as to its efficiency. Further information may be had by inquiring of your local dealer or writing directly to the George H. Lee Company, who have had this preparation on the market for number of years.

"TRUE TO LABEL."

Many a confiding "chicken crank" has been deceived by the representations of so-called breeders. These latter have claimed to send stock and eggs true to name. It is not so easy to humbug a patron with adult birds. It is comparatively simple to deceive a person with eggs. Such a policy is truly short sighted.

The Great American Poultry Farm, Brodhead, Wis. has built its reputation on the high quality of its eggs and breeding birds. Every person who orders eggs is assured by John Neilsman, the manager, that thus they will get eggs fresh and true to label; that these eggs will be selected personally by experienced men who understand how to breed winning strains and good layers.

The Great American Poultry Farm is situated in a section well adapted for raising hardy fowls who resist cold and low temperature without harm. All living stock sent from this farm are guaranteed to be pure bred, true to name, of age as represented, healthy and free from vermin.

The Great American issues a large illustrated booklet which is sent free to every one interested in poultry.

The Buckeye Incubator Company, of Springfield, Ohio, has just issued a supplementary catalogue that should be in the hands of every poultryman. It is descriptive of their new colony and sectional poultry houses, which enables the novice to enter into the poultry business with scarcely no outlay for poultry buildings, and the professional poultryman to add to his plant to any desired capacity, cheaper and more desirable than he can build himself.

The colony house is a model of ingenuity. Fitted with either their hot air or hot water brooder, it makes an ideal outdoor brooder at a minimum of expense.

For this purpose it has no rival and as soon as the chicks need the brooder no longer this is removed and the space used as a colony house.

The sectional house is so constructed that section by section can be added as extra space is needed, and its practicability will at once be recognized by the poultryman. It enables one to start in a small way and only add additional buildings as necessity demands and when complete is as strong and lasting as though but one building, and has the advantages that each section is complete in itself, separated from the others by solid partitions with doorway leading to each section.

Besides detailed description of these houses, it tells of the Buckeye Poultry Foods and Remedies, and a chapter on feeding that is worth many dollars to the novice. We cannot do the reader a greater favor than to ask him to send to the Buckeye Incubator, Springfield, Ohio, for this supplementary catalogue.

Save time use

Pratts Vet. Healing Ointment.

Made by Pratt Food Co., Phila. Over 30 years old.

HARDING'S

Baby Chick Food

FOR HARDY CHICKS

makes baby chicks hardy. Makes vigorous, rapid growth, insuring chick life, so uncertain at this stage, that it more than saves its cost in saving life. It adds profit where loss is the usual result. One trial test will prove its worth. It saves worry and makes poultry raising pleasurable—profitable. 5 lb. cartons, 30c; 10 lb. bags, 50c; 50 lb. bags, \$1.50; 100 lb. bags, \$2.50, f. o. b. Binghamton, N. Y. Give your chicks a chance for life by giving them food that furnishes life—Harding's Baby Chick Food. Send for free catalogue containing good points for making poultry pay.

Geo. L. Harding, Box 333, Binghamton, N. Y. U. S. A.

FEED HARDING'S FOOD

NO. 1 SINGLE ROOST STYLE



Get Ready—They're Coming.

Millions of mites will come with the hot weather to suck the life blood of your flock. Don't wait until your fowls are infested with vermin and your busy season is on before installing our anti-louse roost fixtures, which will effectually prevent their ravages.

Davis Anti-Louse Roost Brackets

make it impossible for them to get onto the perches from the wall or to wall from perch without getting trapped in the oil cups which catch them by thousands. Most convenient and practical and the only bracket made that lifts up out of the way for cleaning dropping board, painting underside of roosts, etc. More eggs and increased vitality of chicks and fowls will result from their use.

Prices: No. 1 or single roost style with screws, 75c per pair; 3 pair, \$2.00; 6 pair, \$3.50; 12 pair, \$6.25. No. 2 or multiple roost style complete with chains and screws \$1.25 per set; 3 set, \$2.25; 6 set, \$5.00; 12 set, \$11.50; f. o. b. Battle Creek, Mich. Circular free. Ask your supply dealer for them. Order today. Don't wait. Do it now.

The Keyes-Davis Co., Ltd., Mfrs., Dept. B, Battle Creek, Mich.



NO. 2 MULTIPLE ROOST STYLE

"WHAT WILL THE HARVEST BE?"

That is a question that will take time to answer, but a little forethought now will go a long way toward determining what the answer will be. The right kind and quality of seed is pretty apt to bring the right kind of crops and now is the time to buy seed.

The Wernick Seed Company of Milwaukee, Wis., offer a very complete line of farm, garden and field seeds, and among them some varieties especially adapted to the northern latitudes and less productive soils. In addition to these they carry a large line of garden tools, beekeepers' and poultry supplies, insecticides, fertilizers and nursery stock. Their large and fully illustrated descriptive catalogue lists a large number of good things for the garden and farm, both ornamental and useful.

They are prepared to give prompt attention to the purchaser. Note their advertisement, which appears on page — of this issue.

USE FOODS OF KNOWN QUALITY.

When sending away from home for poultry foods and supplies, etc., you should see that you secure the very best. There is a vast difference in the quality of the various commercial poultry foods now on the market. The only safe plan, therefore, is to deal with a house that is known to be reliable. Such a concern is Darling & Co., Union Stock Yards, Chicago, Ill. They manufacture and handle all poultry necessities, such as beef scraps, beef meal, laying food, chick food, granulated bone, concentrated meal, oyster shells, mica crystal grit, lice killers, etc. In fact, a full line of the best poultry foods and supplies.

Darling & Co. can be relied on for quality. When they say, for example, their beef scraps contain from 55 to 65 per cent of protein, their beef meal from 45 to 55 per cent of protein and that both run low in fat, you can depend on receiving goods just as represented. Protein, by the way, is the essential element. An excess of fat is not desirable. By adhering rigidly to the policy of manufacturing only high grade products they have built up a great trade among the poultry raisers of the country. Their 100-pound bag lots of foods have become a very popular line with large and small poultry raisers. We have no hesitancy in recommending the company and their products unreservedly to our readers.

Their poultryman's booklet, "Fill the Egg Basket," has become deservedly popular.

lar. It is a book all poultrymen should have. It, as well as their large and finely illustrated poultry and stock supply catalogue, will be mailed free upon request. You will find their "ad" elsewhere in this issue.

Experiment stations have found that goods like those manufactured by Darling & Co. meet all the requirements so far as quality, manner of grinding, cleanliness, etc., are concerned. This means a whole lot to you. You cannot afford to use any but the best. The results obtained from inferior articles does not justify your wasting time on them.

SOME GOOD POULTRY READING.

What to feed, what not to feed, when, how and how much—these are things that trouble the old poultry raiser as well as

and plainly with these questions, and yet in such small space and such easy, familiar style, that we feel like urging our readers to send for it. Its scope is wider than the mere matter of feeding, though that subject is given the prominence it deserves. The title is "The Proper Care and Feeding of Chickens, Ducks, Geese and Turkeys." It is sold at 10 cents, and it is well worth the price to everybody who raises poultry. The information and suggestions are in compact form, so that they will be put into practice every day. It is to be had only by writing to the Royal Incubator Company at the address given above, enclosing the price.

AMATITE READY ROOFING.

This is the new Ready Roofing the people are talking about. It comes in rolls, ready to lay, and any man can do the work—no skilled labor is required. It is mineral surfaced and requires no coating of any kind. The manufacturers are anxious to have farmers look into the propositions and offer to send a free Sample and Booklet to anyone who will send their name and address to any of the following offices of the Barrett Manufacturing Company: New York, Chicago, Philadelphia, Cleveland, Cincinnati, St. Louis, Allegheny, Kansas City, New Orleans, Minneapolis.

A FEW WORDS ABOUT PRESERVING WOODWORK AGAINST ROT AND ON THE VERMIN QUESTION.

The farmers all over the country count amongst their heaviest expenses to run the farm, the lumber bill. All are undoubtedly interested to learn of a medium to reduce same at least half its former cost. This medium of "Carbolineum Avenarius," a wood preserving paint, based on thirty years' experience. Many are of the opinion that paint, tar and linseed oil will preserve the wood against rot and decay. These coatings only form an air-tight cover, but do not destroy the albumin parts in the wood, which always start the rot. The coatings with above mentioned materials prevent the evaporation of the wood and the consequence is dry rot. Carbolineum Avenarius, on the contrary, penetrates

Colic is dangerous! Get
Pratts Veterinary Colic Cure.
Made by Pratt Food Co., Phila. Over 30 years old.

**BUFF ORPINGTON.**

Second prize cock at World's Fair, St. Louis. Bred and owned by J. M. Williams & Co., North Adams, Mich.

the novice in starting chicks, goslings, young turkeys and ducks. A little book which has just been gotten out by the Royal Incubator Company of Des Moines, Iowa, has reached us. It deals so directly

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, **standard qualities have not been neglected.** They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Stock for sale. **Eggs for Hatching** \$2.00 per 15, \$3.75 per 30, \$5.00 per 45, \$10.00 per 100. From winners per \$3.00 per 15, \$5.00 per 30. Illustrated circular free

No Better Anywhere
At Any Price. . . . Winners at Madison Square Garden, N. Y., 1903-1904-1905
H. J. BLANCHARD - - - **Box 997, Groton, N. Y.**

"Incubators and Brooders Will Hatch and Brood Your Chicks," BUT

STEINMESCH

Extra Quality "Quick Meal"

CHICK FEED

Is needed to raise them all; make 'em grow and thrive like a Green Bay Tree
Steinmesch Chick Feed is a mixture of cracked grains, small seeds, beef bone and grit—20 different kinds, especially prepared for the rearing of chicks from the time they are hatched until 10 weeks old—Feed dry; always handy and ready for use. No waste. Always the same. THE BEST and no higher in price than any other feeds.

Price, \$2.50 per 100 lbs. \$11.25 for 500 lbs.
Steinmesch Select Hen Feed, \$2.00 per 100 lbs. Our Early Breakfast Mash, \$2.00 per 100 lbs. Choice Pigeon Feed, \$2.00 per 100 lbs. Special prices on large quantities. GET IT FROM OUR AGENTS. If there is none in your town, send to us direct and we will prepay the freight on 200 lbs. and over to all points east of the Rocky Mountains. We also sell Kaffir Corn, \$1.30 per 100 lbs. Best cracked Yellow Corn, \$1.25 per 100 lbs. Broken Rice, \$1.50 per 100 lbs. Mica Crystal Grit, Oyster Shell, Beef Scraps, Granulated Bone, etc. We are also General Western Agents for the Genuine Cyphers Incubators and Brooders, Mann Bone Cutters. Carry a complete stock of 1905 Patterns. Sell at manufacturers' prices, and ship promptly from St. Louis. Correspondence Solicited.

ADDRESS

STEINMESCH FEED AND POULTRY SUPPLY CO.

CATALOGUE FREE

305 MARKET STREET, ST. LOUIS, U. S. A.

deeply into the wood and destroys all present decay matters. The Carbolineum Avenarius is applied with a brush and imparts a nice nut-brown color to the wood. It is used on the farm for painting barns, granaries, shingles, silos, posts, bridges, chicken coops, etc., and all woodwork above or below the ground. Carbolineum Avenarius is also the most radical remedy against chicken lice. If you want plenty of eggs and healthy chickens the chickens must be free from lice and mites. Carbolineum Avenarius will keep your hen house free from this plague. One coat applied to the inside of the chicken house will keep it clean from vermin. Kerosening and whitewashing, which has to be repeated every month, is done away with, and the expense for sulphur and insect powder are saved. Whoever desires further information about Carbolineum Avenarius should write us or ask our agents.

CARBOLINEUM WOOD PRESERVING COMPANY.
128 Reed St., Milwaukee, Wis.

A NEW IDEA FOR POULTRY-KEEPERS.

How to Pick Out the Layers.

There have been many good ways and means devised of recent years to assist the keeper of poultry in deriving greater profit and pleasure from the business of poultry keeping as a vocation. But none of late have come to our notice which seems to have such a sound, practical foundation nor offers such an avenue to greater results than that recently offered by the Walter Hogan Company, of Fergus Falls, Minn., in the form of a system of selection whereby the poultry keeper can pick out the hens that lay from the hens that don't lay. The mere thought of being capable of this ability suggests at once a feature that is unequalled in its value to those who are engaged in the poultry industry for a livelihood.

It is an undisputable fact that to make a greater margin of profit from poultry one of two things must be accomplished: the price obtained for the product must increase on prevailing cost of production or the cost of production must be reduced. It is evident then that a system which will enable the poultrymen to weed out the non-productive hens from his flock and consign them to the man with the hatchet will stop a leak in his profit that ought to show on the credit side of his ledger a neat, snug sum at the end of the year.

This system is the discovery of one who has spent years in developing it into a practical science which can be taught to anyone with reasonable intellect. It not only enables one to select the layers, but also select the cockerels that will breed the best layers; also select the pullets that will lay the earliest and longest. Imagine what that means in the way of developing a flock to the highest degree of profit producing. Think of the saving that means in time, labor and feed, and then turn to the half-page announcement of this company in our advertising columns, March issue, and read how you can acquire this valuable method. How they will guarantee to teach you this system or refund your money. Certainly you have nothing to lose by taking advantage of their liberal offer, but instead everything to gain.

Your own knowledge gained from experience with poultry will assure you of the practicability of a system along these lines. The idea of feeding egg-making food to fowls that are egg-barren is a fallacy you well know. Then why feed them when you can learn to select them out of your flock and save this waste of money? Here is an opportunity no keeper of poultry should fail to embrace, especially under the conditions it is offered, and if the company offering it were not thoroughly satisfied would not be spending the liberal appropriation they are in putting it before the poultry industry. We would recommend our readers to write them for full information and circulars giving full details, stating that you read their announcement in this paper, and we are satisfied you will be well repaid.

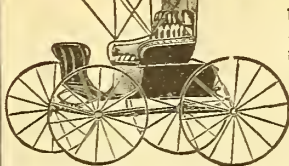
Any one desiring to secure a start in some good Buff Wyandottes or Plymouth Rocks would do well to order some eggs of F. W. Owens, Richwood, Ohio, who handles these two popular varieties. Look up his ad elsewhere in this issue and then write him for prices.

Made by Pratt Food Co., Phila.
Pratts P. V. Condition Powder.

32 YEARS SELLING DIRECT

We are the largest manufacturers of vehicles and harness in the world selling to consumers exclusively.

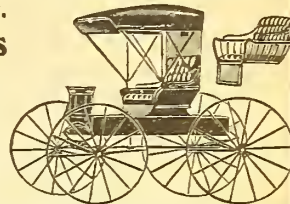
We Have No Agents



No. 544. Stanhope. Price complete \$59.
As good as sells for \$25 more.

but ship anywhere for examination and approval, guaranteeing safe delivery. You are out nothing if not satisfied as to style, quality and price. We make 200 styles of vehicles and 65 styles of harness.

Our large Catalogue is FREE. Send for it.



No. 646. Combination Buggy with extra stick seat to use when open buggy is desired. Price complete \$62. As good as sells for \$25 more.

Elkhart Carriage & Harness Mfg. Co., Elkhart, Indiana.

White Wyandottes and White Crested Polish

Won wherever shown. No stock for sale. A limited number of eggs from the finest in the world. Send for circular and show record.

THOS. P. SMITH

HOOPESTON, ILLINOIS

Barred Plymouth Rocks Did you Say?



Yes we have them finer than ever if that be possible. We are better equipped than ever to handle our large trade. Our stock is strong and vigorous and if size, shape and color counts we have it, as our matings are finer than ever. Bear in mind the yellow leg strain are prolific layers. We have hundreds of satisfied customers and if you are not satisfied with past results, try us we are bound to please you. We have 25 acres in large runs, well supplied with shade and grass, farm range for young stock; all orders for eggs promptly filled at \$1.00 per 13, \$3.00 per 50 or \$5.00 per 100.

A few breeding cockerels at \$2.00 and \$3.00 each.

J. Frank Tyler
Chebanse, Ills.

EGGS EGGS EGGS

Laphams Buff Plymouth Rocks

The WORLD'S famous winners, they have won the cream of the prizes in nine large shows this season which is a record by itself. Below are the winnings in the nine shows, 24 firsts, 23 seconds, 12 thirds, 12 fourths, 3 fifths, 1 ninth. Also the American Buff Rock Cup for the best display at Detroit, Mich. January 3-6th, 1905, and the \$15.00 silver cup offered for the best display at International Poultry and Pet Stock Show, Detroit, January 12-19th, 1905, this record includes my recent record at CHICAGO where I won 1st cock, 1st pullet, 1st pen, 3rd and 5th chl, and 5th hen also the \$35.00 silver cup offered for best display. I will have 15 pens this season that are as fine as can be found. Price from \$2.00 to \$5.00 per 15 eggs.

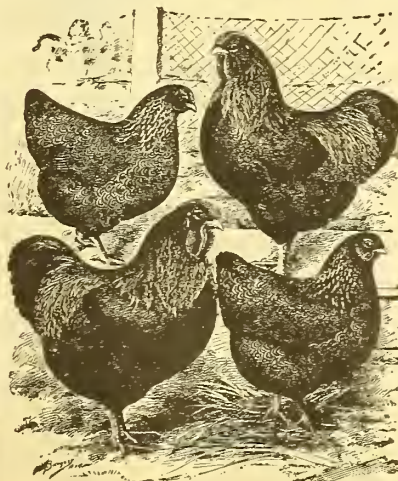
"Handsome illustrated catalogue ready for mailing which will explain each pen. A limited number of show birds for sale. Please mention this paper. Remember the name,

"LAPHAMS GOLD MEDAL STRAIN"

Dearborn Poultry Yards

S. D. LAPHAM, Prop. Dearborn, Mich.

Doolittle's Worlds Fair Winners



At the grandest and most gigantic Poultry Show to date, with practically 9,000 birds on exhibition, including Partridge Wyandottes from twelve states, viz: Pennsylvania, New Jersey, Ohio, Iowa, New York, Illinois, Tennessee, Connecticut, Indiana, Nebraska, Missouri and Kansas my birds won eleven prizes on ten entries, including 1st Hen, 1st Cockerel, 1st Pullet, 2nd Cock and 3 specials, best shaped female, best colored female, best colored male. Who can beat it with 10 entries on a single variety?

Send 10c for my 1905 catalogue which is without a doubt the most complete catalogue issued to date on this variety. It contains a color plate, taken from life, of a pair of Partridge Wyandottes, suitable for framing; the female represented in this being the first prize hen at the St. Louis World's Fair 1904. This catalog also contains a brief history of the variety tells how to mate for best results and is full of information from cover to cover.

The 10c is to cover cost of the color plate. Mention American Poultry Journal.

W. A. Doolittle

The Partridge Wyandotte Breeder

SABETHA, KANS.

U. S. A.

1st Hen, 1st Pullet, 1st Cocker, 2d Cok. World's Fair 1904-

YOU WOULDN'T BE LOUSY WHY LET YOUR BIRDS?

TRIUMPH LICE REMEDIES are so easily applied, so effective, and yet so harmless, that there is little excuse for your fowls and your purse to suffer from the ravages of lice. Positively do not soil the plumage of white birds.

ELMDALE FARM

C. L. Duffield, Prop. R. 11, Commercial Bldg., Marshalltown, Ia.

NORTHUP'S MINORCAS SINGLE AND ROSE COMB

Eggs from 20 grand pens guaranteed to hatch regardless of distance. 28-page catalogue free. 68-page book, "Minorcas, All varieties," history, mating, fitting for show, etc. Fully illustrated, 25 cents postpaid. My S. C. Minorcas have never lost a special for large size, and have won more than 3,000 prizes for my customers in strong competition. My R. C. Black Minorcas have won more 1st and 2d prizes than all competitors combined at Chicago, Boston, Philadelphia and New York.

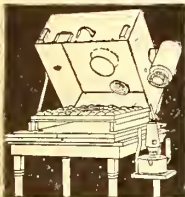
GEO. H. NORTHUP, Raceville, Washington Co., N. Y., R. F. D. 6

PARTRIDGE COCHINS EXCLUSIVELY

HIGH CLASS BIRDS PROPERLY MATED to secure good results. Nothing under \$5. No poor birds shipped. Satisfaction guaranteed. Will refund money, less express, for any bird promptly returned.

W. H. HARRISON, Jr.

TOLEDO, IOWA



Don't Buy an Incubator

Get a New Thought Hatching Machine

and take off a hatch every 10-12 days. No, it's not an incubator. It hatches and the CHICKEN'S LIVE. It is all mental—good as gold to people who want a business machine. Catalogue A ready. Get it.

HASTINGS MFG. CO.,

Hastings, Neb.

C. C. RANDLEMAN, ..Breeder of High Class Exhibition..

..BARRED PLYMOUTH ROCKS..

BRADLEY BROS. STRAIN.

Won at the Charlotte Poultry Show, Jan. 17 to 20, 1905. First Cock, First Hen, First Pullet, Third Cockerel; First Pen and the Silver Loving Cup for best cock, hen, cockerel and pullet in show. I have my pens now mated for 1905 and ready to fill orders for eggs at \$2.00 to \$3.00 per 15. Write for mating list.

C. C. RANDLEMAN

Ramseur, N. C.



BAILEY'S ORPINGTONS HAVE

won 13 out of possible 17 first prizes at the late Chicago shows, 24 regular prizes not including specials. Also have birds that won first prizes at the St. Louis fair. I have eight varieties: R. C. & S. C. Blacks, Whites and Buifs and S. C. Spangles and Diamond Jubilees. Have 20 pens to furnish eggs from to supply the trade. \$5.00 for 15; \$9.00 for 30 of my very best. Infertiles replaced, gratis. Send stamp for new colored catalogue that tells all about my Orpingtons. Now is writing time.

CHESTNUT GROVE ORPINGTON FARM

F. C. Bailey, Reading, Mich., R. R. No. 19

DESTROYED BY FIRE.

The plant of the Alfalfa Meal Company, of Omaha, Neb., was totally destroyed by fire on February 2, 1905. We are pleased to be able to announce, however, that Mr. Payne, with his characteristic hustle and enterprise, has closed a contract for the purchase of a new factory building and that the company is again ready to fill orders as if nothing at all had happened. In fact, in its new home, it is better prepared for a big business than ever before. We understand that the company will increase its capacity to over three times the former output, or thirty to forty tons per day.

The new factory of the Alfalfa Meal Company occupies something over one acre of ground, is three stories high, built of brick, and will be devoted exclusively to the manufacture of Payne's alfalfa feeds.

This company is the original Alfalfa Meal Company, and Mr. Payne, the president of the company, is the first man who ever ground alfalfa into meal. That alfalfa meal meets a need is well proven by the remarkable growth of the business of this company. In January, 1904, their sales were four carloads; in January, 1905, forty-four carloads, and then the fire wiped their entire plant out of existence.

We believe that the advent of alfalfa meal as a feed for poultry is a good thing and we predict that its use will mean more money for all who feed it, consequently we are glad to note that its manufacture is to be continued on a vastly larger scale than before the fire.

One thing we like about Mr. Payne's method of putting his alfalfa products on the market, and that is his honesty in telling just what each product is composed of. There is nothing secret about these feeds.

Our readers should look up the advertisement of this company in another column of this paper and write for a copy of its valuable book, "Poultry Pointers." The book is full of information that will be helpful to you. It's free.

FREE ROOFING SAMPLE.

Until recently an absolute waterproof roofing was practically not to be found. But in the improved Amatite—a tarred felt roofing with a mineral surface—we believe those who are interested in the roofing subject will find exactly what they are looking for. The makers' claims have been fully substantiated by the test of service and the cost is slight. A sample and full information is sent free by addressing the Barrett Manufacturing Company at New York, Chicago, Philadelphia, Cincinnati, St. Louis, Allegheny, Kansas City, New Orleans or Minneapolis.

C. B. Huff, proprietor of the Riverside Poultry Yards, has moved from Delavan, N. J., and is now located at Bridgeville, N. J., where he is prepared to take care of all orders in his usual prompt manner. Look up his ad elsewhere in this issue and write him for what you want. Mention AMERICAN POULTRY JOURNAL.

D. T. Roots, of Connersville, Ind., the White Plymouth Rock man, has an especially attractive half-page ad in this issue which we know will receive many compliments.

Mr. Roots has sent us copies of his regular 36-page Stock Catalogue and his 24-page Egg Catalogue.

The Stock Catalogue will be sent on receipt of a 2-cent stamp and the Egg Catalogue will be sent free to all who inquire for same, mentioning the AMERICAN POULTRY JOURNAL. Both of these catalogues have been arranged and printed with the usual care that Mr. Roots gives to all of his work. They show magnificent illustrations of his White Plymouth Rocks; describe his winnings; have fine half-tone illustrations of the valuable cups he has won at different shows and of his prize winners; describe his matings and how matings should be done, and has a choice lot of testimonials. In addition to all this, he has several splendid articles which cannot help but be of value to any breeder, such as "How to Score White Rocks," by Theo. Hewes, and "From the Egg to the Exhibition Room," and an article on "Diseases of Poultry," and much other information of value to anyone in the poultry business.

The Egg Catalogue is devoted exclusively to a description of his different yards and illustrated by the prize winners that he uses in each yard and also a complete list of his show winnings. These should be in the hands of every White Rock breeder.

DON'T BURN MONEY

SAVE HALF

and get more heat and better light, by using

ACME SPECIAL BURNERS

Made in two sizes, No. 1 and No. 2. The No. 2 will make more heat and light than any No. 3 burner, and use 20 per cent less oil. The Acme Trip burners save 1/2 the oil for incubator use, because regulator turns flame up or down as needed. Can't over-heat or char the wick. The Acme Wick requires no trimming, is special close woven and twice as thick as other wicks, end encased in seamless metal tube with composition burner tip. As the oil passes through this composition, it is purified and converted into gas, burning with an intense heat and a brilliant light.

NO SMOKE - NO SOOT - NO OFFENSIVE ODOR

These wicks are for the Acme Burners only, and will last from 30 to 60 days for incubator use and 12 to 18 months for ordinary house use. Acme Burners fit any lamp. Give size of lamp collar when ordering. The Acme Automatic Gas Valve saves 75 per cent of gas for incubator use, because the regulator turns the flame down or up as needed. Burner tip can be located any distance and in any direction from the valve. For instance, burner can be placed under brooder hover and the valve remain on outside where it can be readily connected with regulator. Price of Acme Burner with wick, either size, pre-paid, 75c. Price of Acme Trip Burner with wick, either size, pre-paid, 81c. Price of extra wicks, either size, pre-paid, 10c each, 3 for 25c. Send for our complete catalogue of the Acme Compound Regulators, Acme Automatic Lamps, showing our latest combined damper and flame regulation, Incubator Fixtures, including the famous

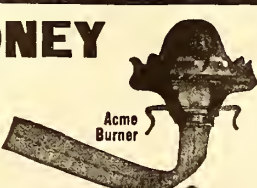
PEERLESS INCUBATOR AND BROODER PLANS

Nearly 100 photographic views showing step by step every stage of incubator and brooder construction. It's free, send for it now.

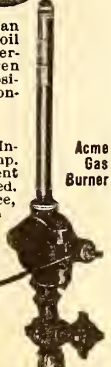
H. M. SHEER CO., BOX 104, QUINCY, ILL.



Acme Trip Burner



Acme Burner



Acme Gas Burner

Acme Wick



THE BIRTHPLACE OF COMMODORE DECATUR.

The accompanying illustration is from a recent photograph of the birthplace of one of America's greatest naval heroes, Stephen Decatur. The building, which is situated on the nurseries of J. G. Harrison & Sons, at Berlin, Md., has remained practically unchanged through all the years since the great commodore left it to take up the career in which he afterwards achieved fame. It is a small cabin, old, weather-worn and partially decayed. It is now being carefully preserved for its historic value.

In this little cabin, on January 5, 1779, was born the boy whose fame was later to spread over the entire civilized world. Amid these humble surroundings he spent his childhood days.

The building and all the land which formerly comprised the Decatur plantation has recently been added to the extensive nurseries of J. G. Harrison & Sons. These nurseries, from a small beginning less than twenty years ago, have grown to be among

the largest in the United States. More than 1,000 acres surrounding the Decatur home are in cultivation, in peach, pear, apple, plum and cherry trees and every variety of nursery stock.

From this historic place hundreds of thousands of fruit trees and plants are each year sent to all parts of the country. The extreme care which is used in digging the trees, in preserving the roots and in packing enables the proprietors to guarantee delivery to any part of the United States in perfect condition.

The trees from the Harrison nurseries are famous for their hardiness and for the quality and amount of fruit which they invariably bear. Their trees thrive in almost any climate and every section of the country has large orchards planted in Harrison stock.

Visitors are always welcome at the Decatur plantation or any other part of the Harrison nurseries, and many people avail themselves of the opportunity thus offered of seeing at the same time an historical landmark and the workings of a large, modern, perfectly appointed nursery.

SIXTEEN YEARS OF STEADY GROWTH.

A business concern grows for two reasons. First, because it supplies what its patrons want, and second, because it is honestly, liberally and fairly conducted. There are many contributing causes to success, but these two reasons are paramount and are always found back of every permanent commercial growth.

Sixteen years ago the Harvey Seed Company, of Buffalo, N. Y., began by handling poultry supplies. They made it the cornerstone of their business to handle everything poultry people needed and to sell at reasonable prices. They insist that the quality of any article that receives their stamp of approval shall be unquestionably high and that it shall never vary but always be the same.

Each year of these sixteen has compelled this concern to let out another hole in their belt. They have steadily and constantly grown and expanded until today their trade extends to every town and hamlet of the United States and the name "Harvey" is known wherever a rooster crows or a hen cackles.

The Harvey Seed Company are the originators of some of the best poultry feeds that are on the market today. If you have never fed any of them you have not had the full measure of success that is possible for you. Feed plays an important part in the economy of the poultryman's business. Profit or failure may depend largely on the feed your fowls are fed. Harvey's feeds are good, sensible feeds—the result of experience and the improvements that these sixteen years have demonstrated were advisable and desirable.

Knowing that poultrymen like to buy all their supplies from one concern, thus saving shipping charges, the Harvey Seed Company carry immense stocks of poultry supplies of all sorts, such as cut alfalfa hay, Electric poultry food, mixed grains, chick foods, grits, crushed oyster shell, bone and meat preparations, lice killer, powders and every conceivable sort of appliance for the poultry house or pen—everything the poultryman needs: They are prepared to fill all orders promptly and to guarantee quality in every case. With their splendid shipping facilities they can reach every part of the country and save poultrymen money on all their purchases. They publish a complete catalogue of poultry and pigeon

supplies that is full of reliable suggestions. It will pay every one who keeps fowls to send for a copy of this valuable book. Address Harvey Seed Company, 65-69 Elliott street, Buffalo, N. Y. Mention this paper when you write and they will send the catalogue free of cost; they will also furnish any additional information that the reader may desire. We predict that you will be more than pleased with anything you order from this house and that the treatment they will accord you will induce you to go to them again and again.

ESSENTIALS TO SUCCESS.

It is oftentimes attention to details that contributes most largely to the success of any enterprise. Every part in good working order makes the whole system perfect. Every poultryman can appreciate from experience how defective appliances and inferior quality in supplies work harm and cause disappointing results. In purchasing poultry supplies the best is none too good. The line offered by W. J. Gibson & Co., Chicago, Ill., is very complete and includes "Everything for the Poultry Business"—incubators, brooders, foods, remedies, lice killers, grits, Standard bred poultry and eggs for hatching. They recommend their goods as the best of its kind and are prepared to handle all orders promptly. Their catalogue is sent free upon application. On page — of this issue will be found their advertisement.

CARE OF THE FACE.

You would not try to shave with a rip saw, would you? Then don't use ordinary soaps to make a lather for shaving. Such soaps are not suited to the delicate tissues of the face, and are bound to make it sore and rough and uncomfortable. Use the soap made especially for shaving, the very best, made by the J. B. Williams Company, Glastonbury, Conn. If you wish to try a sample of Williams' Shaving Soap, see their offer in another column. Remember that nature has given you but one face and it is up to you to take care of it.

A sure calf fattener Pratts Calf Tonic.

Made by Pratt Food Co., Phila. Over 30 years old.

400 ROYAL BLUE Barred Rock... COCKERELS

Big, strong, vigorous, well marked breeding birds that will improve your flock. The ROYAL BLUE Barred Rocks have won at America's greatest shows for 20 years, and at Boston, Jan., 1905, they outclassed all competitors.

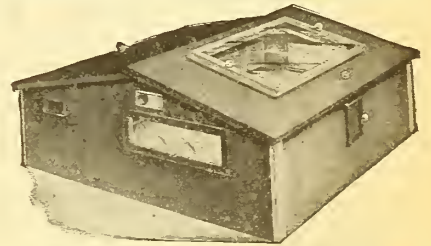
Those who win at the big shows have the Royal Blue Strain. It has always been the best.

A. C. HAWKINS

Lock Box 25, Lancaster, Mass.

See ad on back cover.

Rouses' Perfection Brooder



Price, \$7.50. Catalogue free. Simple, convenient, practical. W. L. Rouse, Manufacturer, 157 La Salle St., Chicago, Ill. Chicago Poultry Supply House Distributor, 647 Lakeside Bldg., Chicago, Ill.

FARM POULTRY YARDS

15	EGGS	\$1.00
30	"	1.75
60	"	3.00

Two med. nest eggs with each order.

Golden, white, Silver and Buff Wy.; Rose and S. C. Brown and Rose and S. C. White and S. C. Buff Leghorns; Barred, Buff and White P. Rocks; S. S. Hamburgs; Red Caps; Anconas; W. F. B. Spanish; Golden and W. C. B. Polish; S. C. Black and White Minorcas.

C. I. Games; Rose C. Black and Rose C. White Minorcas; Rose Comb R. I. Reds and G. S. Hamburgs, \$1 for 13; \$2 for 30. Pekin Ducks 75 cents for 9.

Most of our poultry is kept on separate farms, therefore the eggs are fertile, and the chicks strong and vigorous when first hatched. A fair hatch guaranteed or order duplicated at half price. Circular free. 25 years as breeders. Whitney Bros., Triangle, N. Y.

Premium Stock Poultry Yards

Fertile EGGS 15 for \$1

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

A. STARZINGER, Prop.

Carbondale, Ill.

PRESERVE YOUR EGGS

Water Glass is the best egg preservative yet discovered. It keeps eggs in perfect condition from 6 to 8 months. No other method of preserving eggs gives such good results.

Willett's Egg Preserver

is an absolutely pure water glass; cheapest and best egg preserver on the market; does not affect the flavor of the eggs; keeps them fresh. One gallon is sufficient for 100 dozen eggs. Price, pint, 15 cents; quart, 25 cents; gallon, \$1.00.

Address Rolla A. Willett, Box 56, Anderson, Ind.



The BEST RASPBERRY

is Plum Farmer, early, large, enormously productive. Catalog of raspberry, strawberry and other berry plants free. Write, L. J. FARMER, PULASKI, NEW YORK

Silver Penciled Wyandottes

At Madison Square Garden, New York, 1905, we showed males only, and in the hottest competition in America we won 1st cockerel, 1st, 3d, and 4th cocks, fifth cock and two of the winning females being direct from our stock. Three of our yaris are headed by first prize Madison Square winning males. Cocks, cockerels, hens and pullets for sale. Pairs, trios and pens. **Buff Leghorns and Columbian Wyandottes**, the best in the world. About these little need be said.

AUG. D. ARNOLD - - - - **Box 777 Dillsburg, Pa.**



CONNER'S RINGLETS

BARRED PLY. ROCKS

My matings this year of very choice birds are made grander by two pens of extra choice prize birds of Richardson, and one choice pen from Wales, who are brothers and sisters to the Boston winners. Stock and eggs for sale.

H. MURRY CONNER

Gastana, Iowa

Stanwood's Barred Rocks

WINNERS AT CHICAGO SHOW, January, 1905. Exhibition pullet matings exclusively. EGGS \$2.50 per sitting, \$4 per twenty-six, \$12 per hundred.

F. H. STANWOOD

433 North Harvey Ave.
Phone, Oak Park 6112

Oak Park, Ill.

DO YOU WANT WHITE WYANDOTTES EGGS FROM::

that will win for you? At last Dayton and Ohio State Shows we won nine out of eighteen regular money prizes, and special for eight best birds in American class.

EGGS \$2 for fifteen, or \$3 for thirty.

THE K.-G. POULTRY YARDS

Circleville, Ohio



Black Langshans

First prize at World's Fair, Kansas City, Dallas and Houston. Won the \$50 cup at Shreveport over all breeds; pen scored 191. Record for 1904 birds score 95 to 95½. Eggs \$3 for 15. Birds for sale, satisfaction guaranteed.

J. E. R. CHILTON, Dallas, Texas



MICA-CRYSTAL.

STANDARD POULTRY GRIT OF AMERICA.

THE PERFECTION SHELL MAKER AND GOLDEN YOLK PRODUCER.

White Quartz, 58 p. ct. Aluminum, 20 p. ct. Iron, 12 p. ct. Magnesium, 10 p. ct. DIGESTER. SHELL MAKER. YOLK MAKER. SHELL MAKER.

For Sale by **DARLING & CO.,** Wholesale Dealers in Chicago, Ill.

Standard Bred Wyandottes

PRIZE WINNING

Standard Bred Plymouth Rocks

EGGS FOR SALE

This stock is as fine as any; has taken prizes, and you cannot help but get something that will please you. Send for circular.

West Michigan Poultry Farm

Geo. S. Bigelow, Proprietor
R.D. 4 Bangor, Mich.

BUSINESS ENTERPRISE.

Some years ago an idea came to a man's mind. The idea took form in action and a modest beginning started what was destined to become a flourishing business. It took time, patience and brains. But time, patience and brains won, as they always will with any good proposition. So it came about that the Lathrop Manufacturing Co., of Rochester, N. Y., has become widely known as the makers of Poultry Appliances. These include Portable Poultry



Houses, such as the one shown in our illustration, which was exhibited at the recent World's Fair, Portable Fences, Chick Sewers, Drinking Fountains, Exhibition Coops and many other articles of value to the practical poultryman and the fancier. By energetic and vigorous application to business this concern has increased its volume of trade and built up a desirable patronage. They desire to come in touch with progressive poultrymen everywhere who they believe will find their products to be of practical benefit. For catalogue, price lists or other information address Lathrop Manufacturing Co., Rochester, N. Y. Their advertisement appears in this issue.

A DANDY CATALOGUE.

Manufacturers naturally vie with each other in their efforts to produce the best goods and to sound their praises abroad. This is especially so where competition is strong. In no other line is this more fully demonstrated than in the manufacture of incubators and brooders. The market is teeming with these articles, so that intending purchasers may very easily become confused in selecting the best machines for their particular use. It is safe, however, to confine your choice to those makers who are enterprising enough to advertise their product extensively, for no article will long be able to stand such expense if it does not contain genuine merit.

We have before us the new catalogue of the Dandy Poultry Novelty Co., of Danville, Ill., and we can heartily recommend that our readers write for a copy of it before they buy an incubator or brooder. This catalogue illustrates and describes a line of goods that its users say is entitled to all that the name "Dandy" implies.

The makers of the "Dandy" line of poultry supplies believe in the virtues of advertising in marketing their product and their phenomenal success proves that the merit of their goods will stand all the good things that may be said about them.

J. A. Barnum, formerly of Tekousha, Mich., has moved to Coldwater, Mich., and all orders should be sent to that address. Coldwater is nicely located on the main line of the Lake Shore & Michigan Southern railway, and affords unsurpassed shipping facilities. Mr. Barnum has sold his farm at Tekousha and purchased one near Coldwater, where he can serve his patrons to better advantage. He expects to build quite extensively this season, to be able to supply the increased demand for his Barred Plymouth stock and eggs.

Mrs. T. F. Leonard, of Mt. Sterling, Ohio, has some good Wyandottes for sale, carefully selected from pen of her very best White Wyandotte hens and pullets of good size, shape and excellent laying qualities, mated with fine cockerels of grand shape, pure white plumage, superb carriage and fine Wyandotte points.

There are many women readers of AMERICAN POULTRY JOURNAL and they should be loyal to the sex and patronize Mrs. Leonard. Not only this, but all breeders can surely get good bargains by corresponding with Mrs. Leonard. She also has eggs for sale from choice matings.

For sore or tender feet
Pratts Peerless Hoof Ointment.
Made by Pratt Food Co., Phila. Over 30 years old.

THE PATENTED PEEP-O-DAY BROODERS

MANUFACTURED SOLELY BY

CORNELL INCUBATOR M'F'G CO.

ARE CONCEDED TO BE THE ONLY
EFFICIENT BROODERS IN EXISTENCE

BECAUSE :

They Have Stood The Test During the Past 14 Years

AND MAKE THE SUCCESSFUL BROODING OF CHICKS A CERTAINTY

Note recent Orders from Successful Poultrymen :

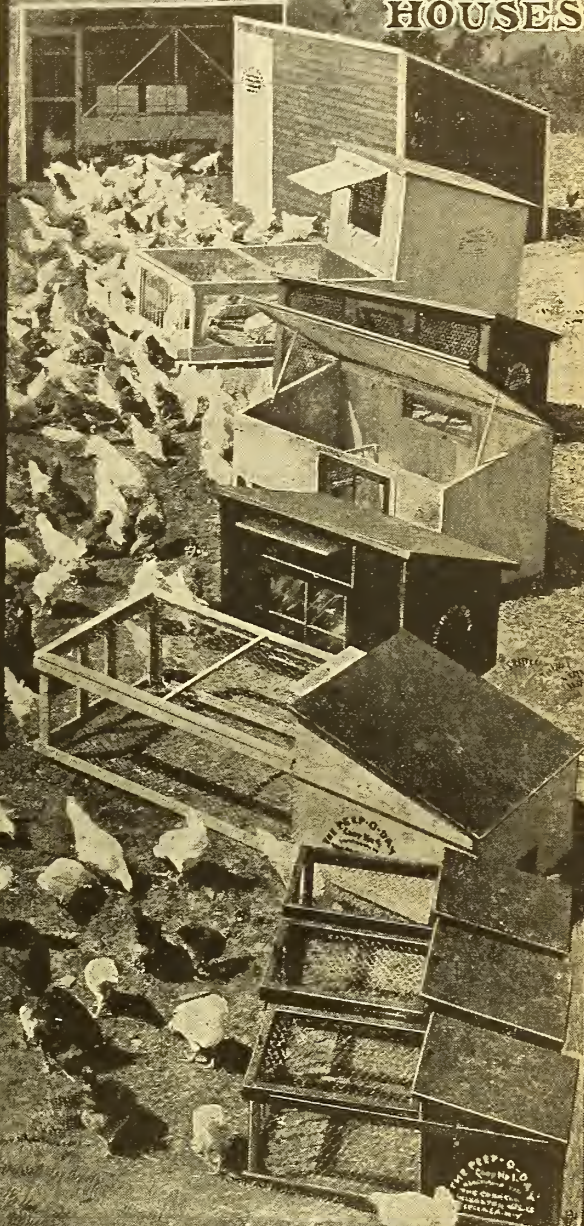
Prof. G. M. Gowell,	Orono, Maine,	60 No. 4 Brooders
Maine Agric. Exper. Station,	Orono, Maine,	12 No. 4 Brooders
Lakewood Farm Co.,	Burrsville, N. J.,	35 No. 5 Brooders
W. Barry Owen,	Vineyard Haven,	20 No. 4 Brooders
Big Elm Poultry Farm,	Barnards, N. Y.,	12 No. 2 Brooders
F. O. Groesbeck,	Hartford, Conn.,	12 No. 1 Brooders
C. W. Kendall,	Wheeling, W. Va.,	20 Combinations
D. Lincoln Orr,	Orr's Mills, N. Y.,	12 No. 4 Coops

OUR MARCH SALES EXCEED 2400 BROODERS!

ORDER EARLY TO INSURE PROMPT DELIVERY

DESCRIPTIVE CATALOGUE MAILED FREE FOR THE ASKING

PEEP-O-DAY COOPS
and
PORTABLE POULTRY
HOUSES



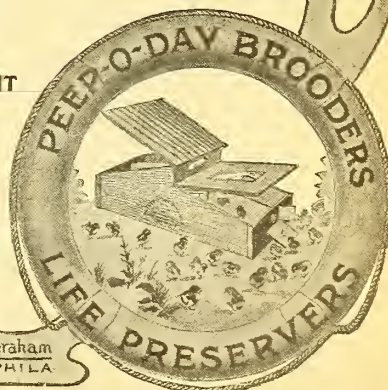
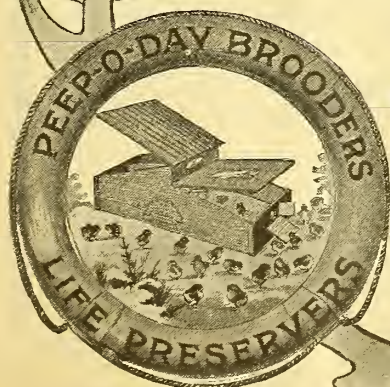
1905 MODEL CORNELL AUTOMATIC MOISTURE INCUBATOR

MADE IN THREE SIZES
SEVEN PATENTED FEATURES

SEND FOR CATALOGUE AND 1905 SUPPLEMENT
FREE IF YOU MENTION THIS PAPER

CORNELL INCUBATOR M'F'G CO.

Box 6, ITHACA, N. Y.. U. S. A.



Graham
PHILA



M. M. JOHNSON, THE INCUBATOR SPECIALIST.

The illustration herewith is a reproduced photograph of M. M. Johnson as the poultry world knows him. He is probably the best known of any man connected with the poultry industry. He is one of the easiest men in the world to get in touch with, and to know him means to be right in the thickest of the poultry atmosphere. Johnson is nothing if not a poultry man. His latest contribution to the industry is his Old Trusty Incubator. The machine was perfected only last year, and sprang at once into highest favor. During the present season the sales have been almost phenomenal. Johnson has a style all his own in advertising and catalogue writing, as well as his own ideas in incubator building. His catalogue, a large work, all written by

himself, is rather a remarkable book. Perhaps not the most elegant, from a literary point of view, but like his Old Trusty machines, it does the work. It convinces. In this connection we cannot refrain from quoting from a recent application for catalogue, H. W. Hubbard, of Custom House, in classic Boston. He says: "I am anxious to possess one of your marvelous catalogues. The book is away ahead of anything of the kind we Yankees of the East have produced. It is worthy a place in our public library." Johnson has a large advertisement of Old Trusty in this issue. It is well worth while for any one interested in poultry to send for and read his 1905 catalogue.

BEE-KEEPING PECULIARLY PROFITABLE.

City people, villagers, farmers—especially the women folk—find bee-keeping fascinating, healthful, profitable. It is not difficult to handle bees properly. Like all other employments that bring excellent returns, bee-keeping needs some study, care and good judgment. Lack of knowledge of the value of honey-bees and a peculiar fear keeps many from this—an occupation that they would like after they had learned its first principles.

There are no secrets about handling bees, but there are methods that come only from experience which the amateur must know before he can succeed.

Men who have made a success of bee-keeping send their practical, every-day experiences to a paper called "Gleanings in Bee Culture." Everybody who gets this paper receives the benefits of these experienced men. "Gleanings" (as this bee paper is familiarly called by its thousands of friends) is published by the veteran bee men, A. I. Root Company, at Medina, Ohio. It is a semi-monthly paper, overflowing with easy-to-read facts about honey, honey bees and their habits. It is a regular course of instruction in the art of setting bees to work so as to bring profit and enjoyment to their owners. It has a question and answer department, where all inquiries are answered free of charge. It

tells how to protect bees from their enemies; warns readers of costly mistakes and tells how to prevent them; explains all the "ins and outs" of the business.

The bee works free and there is every reason why more people should make money with them. "Gleanings in Bee Culture" is authoritative and edited by actual bee-handlers. Over 20,000 people read it now. All our readers can have a copy free by sending their names to the above firm on a postal, or they can have a six months' trial subscription for 25c.

THE VALUE OF A TREE.

Trees are valuable from whatever standpoint. Railroads taking planted lands often pay from \$30 to \$300 each for trees occupying the same, and there have been instances where \$600 in cash was paid for trees standing upon condemned property. It pays to plant trees—all kinds of trees—fruit, shade and ornamental. At Dundee, Ill., is the nursery of D. Hill, the Evergreen Specialist. For more than forty-two years Mr. Hill has turned his attention to this branch of horticulture, and in his Dundee Nursery will be found all the practical varieties of these beautiful trees. His catalogue and bargain sheet will be forwarded free to anyone requesting the same. Address D. Hill, Evergreen Specialist, Dundee, Ill.

"Away Down South in Dixie" is located the Cherryhill Poultry Farm, H. W. Blanks, proprietor, Columbia, La., who makes a specialty of selling eggs by the sitting or by the hundred, from White Wyandottes, White Plymouth Rocks, S. C. White Leghorns, S. C. Black Minorcas, S. C. Buff Leghorns, R. C. Brown Leghorns and Cornish Indian Games. In addition to this he has stock for sale at all times and carries poultry supplies.

CHAS. F. THOMPSON & CO.
LYNNFIELD CENTER, MASS.

See ad on page 368.



100 Per Cent Reports

A PAPER



**\$100.00
Reward**



INCUBATOR

Paper is the world's best non-conductor. 150-egg size weighs 80 pounds. An open incubator; heats up in two hours; two quarts of oil burns thirty-six hours. A zero weather hatcher hatches and raises 100 per cent in high and dry air, mountain climates where all others have failed for the past twenty-five years. Brooder heats up in 20 minutes and incubator in two hours in a cold building; an invention of our own; a natural heat, no hot, dry, baked dead heat, and no baked heat and air like a bake oven. In the past failures were caused by hot air or 99 per cent heat and only one per cent air. This causes dead chicks in shells and in brooders. A hen is no air tight box and has no bake oven heat, there are tons of living air all over the hen and eggs. Our incubators and brooders supply as much air as heat; guaranteed and the air is living not baked, or the life taken out of the air. What is living air? It is the natural moisture in the air. This is the secret of 100 per cent reports. We have manufactured and advertised for eight years and you have never seen our goods advertised for sale second hand. This is a bug in your ear to the wise.

Four manufacturing agents wanted. Two are sold via Pacific Coast states south-west, and an eastern deal is on. We now want to lease in the central west, north, south-east and Canada Mfg. agents. Only \$2000 capital needed. Our coast agent sold over 13,000 in 1904. \$100 reward if you can prove that we received any of our reports dishonest, or that we gave an incubator brooder money, or a free advertisement to our customers in our catalogue for these reports. We can show these letters. We did not even ask how they liked our goods, but they are so happy that they write us of their own free will. Kindly look into this.

A FEW 1905 100 PER CENT REPORTS. Note the Dates, Please.

Armour Packing Co., Dallas, Texas, Feb. 20, 1905. We haven't lost a chick in your brooders in 1904. P. E. Gallot, Supt. Springport, Mich., March 14, 1905. Your brooder fixtures put into a dead trap brooder worked wonders. It raised every chick put in brooder. Rev. Geo. Curtis, Oakland, Cal., Jan. 29, 1905. Every chick was raised in your brooders and one-half grown at twelve weeks old. J. H. Crow, Waverly, Iowa, March 8, 1905. 100 per cent raised, or every chick put in your brooder we raised in 1904.—J. W. Duvall, Fairston, N. J., Jan. 15, 1905. We simply had grand success with your brooders.—F. T. Comstock.

100 per cent hatched and 100 per cent raised on a large scale in California, in the hottest and driest climate at that, away up in the mountains, a 600 acre poultry farm, the largest of its kind in the west. Your Natural Hen Heat Incubators and Brooders are causing a revolution in California. Your manufacturing agents cannot half fill the orders. We have hatched and raised 100 per cent not once but often, and the average was not less than 99 per cent for the season. We have tried all makes manufactured in Philadelphia, Pa., when in the east, and can say you have the greatest invention of the age in incubators and brooders.—Dr. Hodgehead, Prop., G. S. Noddin, Supt.

Decatur, Ind., March 7, 1905. After trying most all makes of incubators and brooders and using your incubators and brooders for three years we are satisfied. You have the best thing yet invented. I never saw chicks grow so. We raised every chick put in your brooders seven times in 1904, and from the start three years ago we raised all or 100 per cent.—Dr. H. C. Keller & Son, Breeder of R. I. Reds.

Decatur, Ind., Poultry farm, Rose Comb R. I. Reds, Feb. 28, 1905. We are happy to state that we hatched 96 per cent and beat all other of the very best makes side by side last May with your incubators and brooders for the past three years. Often raised all the chicks. Talk about fast growing chicks; beats even the hens and all other makes manufactured by 48 per cent. Respectfully, J. Lose.

Send for our 1904 96-page catalogue, Nature and its Laws. Also our 1905 circular is out and is free to you of 100 per cent reports and latest paper open nest incubator. Send 10 cents in stamps for catalogue and circular to our nearest office and factory as follows to save time and freight rates and quick shipment. We are now in a position to fill all orders promptly.

PERPETUAL HEN CO., St. Charles, Ill. Dept. 12

ROBT. N. OLIPHANT, Eastern Mfg. Agt.
466 Greenwood Ave, Trenton, N. J.

J. M. SONTAG, Pres. and Inventor
Central Home Factory, St. Charles, Ill.

F. S. LOW & CO., Pacific Coast Mfg. Agt.
Petaluma, California.

Questions and Answers

Questions asked by subscribers will be answered in this department.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please tell me in your next issue if there is any remedy for chickens with frosted comb if they are taken in time.

C. L. Mebane, N. C.

ANSWER: Frequent applications of carbolated vaseline is the best remedy for this.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer the following in your Answer and Question columns. I have a fine Wyandotte rooster and his comb and wattles got frosted. Will that effect his efficiency? How can I remove the frozen parts, or will they come off themselves? What causes blood in eggs? Several eggs laid by my Brown Leghorns were nearly full.

J. E. H. Pittsburgh, Pa.

ANSWER: Frost combs does not effect the breeding efficiency of the bird. The frozen parts will come off of their own accord in time; but a little carbolated vaseline applied a few times will assist in healing and brightening up the frosted parts. The presence of blood in the eggs is an indication that some of the small blood vessels of the oviduct

have been ruptured. This is very often caused by the hen straining in her efforts to expel a large egg. Hens in this condition should be fed cooling foods, such as wheat bran and green stuff; but no meat of any kind should be given until the fowl has fully recovered.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer the following questions in your next issue:

1. Is Cuba well adapted to poultry raising?

2. What is the average market prices of poultry and eggs in Cuba?

Putman, Ill.

B. M.

ANSWER: 1st. Yes. 2d. We have no data at hand at the present time which will enable us to answer this question. Will some of our Cuban readers please answer.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you kindly give me a little information and tell me, if possible, what is the matter with my hens. I have about 250 hens: they seem in good condition. They are fed twice a day. Feed used is corn, wheat, bran, meal, green bone, cabbage and grit. These

hens are kept in two houses, each house is 35 feet long by 8 feet wide. They have a large range. They seem to be very lazy and do not scratch much. I am only getting seven eggs per day from the lot.

Charlotte, N. C.

J. W. Z.

ANSWER: In your zeal to make them lay you have fed them too much, which has caused them to become fat and lazy. Feed them less at a time and make them work for it, by scattering the feed in deep litter.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Can a man raise for market 5,000 chickens per year and keep from 800 to 1,000 hens for laying besides on a lot of 10 acres?

Danville, Pa.

C. H. R.

ANSWER: Yes.

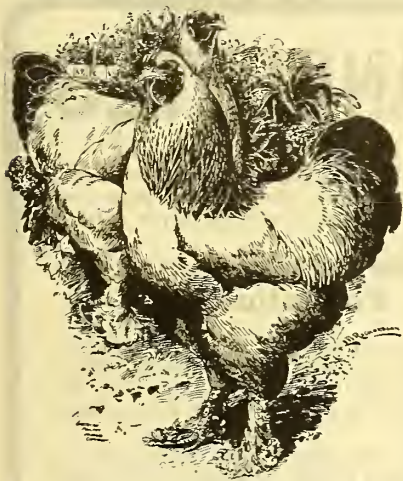
Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer the following question in your "Question and Answer Department:" Have an incubator that hold good temperature, but in taking out eggs to turn and cool the temperature falls very low and is about two hours in coming back to the proper heat. I waste no time in closing door when removing eggs, and wish to know if it is proper for machine to be so long in regaining heat after replacing eggs. The damper has a tendency to blow off before the right temperature is reached, though previous to taking out eggs it had been holding the proper degree. Also is a cement floor suitable for a hennery?

Brookhaven, L. I.

R. G. M.

ANSWER:—This drop in temperature is not the fault of the machine. You keep your eggs out until they become



There is Something to Think About

Before You Buy Eggs For Hatching Please Read Carefully

Don't be hoodwinked into buying cheap eggs. The prices I quote for eggs are as low as I can afford to sell them and send you eggs from first-class, standard bred stock. Any breeder who offers them at a less price must either furnish you with inferior eggs or lose money. I have birds in my yards that are hard to duplicate for quality. **NONE BETTER.** Few as good. **If you want to raise exhibition birds buy eggs from me.** You may order from different varieties if you wish to make up one, two or three settings.

Order direct from this ad and get what you want at prices that cannot be duplicated for the quality. I replace all broken eggs free, and in case 7 in each 13 do not hatch will duplicate the original order at one-half price. Can you ask for anything better than this?

Eggs from the following varieties, \$2 for thirteen, \$3.50 for twenty-six, \$5 for forty, \$8 per hundred, your choice; \$6 per hundred, my choice.

Light Brahmas,
Dark Brahmas,
Partridge Cochins,
Buff Cochins,
Black Langshans,
American Dominiques,
Barred Plymouth Rocks,

White Plymouth Rocks,
Buff Plymouth Rocks,
Golden Wyandottes,
Silver Laced Wyandottes,
White Wyandottes,
Buff Wyandottes,
White Faced B. Spanish,

Black Minorcas,
White Minorcas,
English Red Caps,
S. C. White Leghorns,
R. C. White Leghorns,
S. C. Brown Leghorns,
R. C. Brown Leghorns,

Buff Leghorns,
Blue Andalusians,
Cornish Indian Games,
Black Breasted Red Games,
Silver Polish,
White Crested B. Polish,
Houdans.

Rouen and Pekin Duck eggs \$2 per eleven, \$3.50 per twenty-two, \$8 per hundred. Toulouse and Embden Geese eggs \$2.50 per seven, \$4 per fourteen. Mammoth Bronze and White Holland Turkey eggs \$2.50 per 9, \$4 per eighteen. I put my name under my advertisements and positively guarantee my prices are the lowest, quality considered.

Address

W. H. SHONS

Freeport, Illinois

quite cool and when you return them to the egg chamber they cool the temperature in the machine and of course it will take a considerable amount of heat to get the eggs warmed up to the proper point again. At this season of the year eggs do not require much cooling. The time consumed in turning the eggs is plenty long enough to have them out of the machine. You probably turn the flame up on the lamp which causes the damper to open. Run your machine with as small a flame as possible, keeping the damper open about 1-16 part of an inch. A cement floor is suitable for a poultry house, but must be well covered with straw or other suitable litter.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer in your next issue: How to keep eggs for hatching; how long will they keep without impairing their vitality?

Reelsville, Ind., W. F. A.

ANSWER: Eggs intended for hatching should be kept in a moderately cool, dark place and turned three or four times a week. They may be kept from four to six weeks, and even longer, but from two to three weeks should be the limit.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you kindly answer the following questions in your "Question and Answer Department?" I notice on the heads of several of my hens that the feathers are falling off, and on examination I find that all the feathers are off under the wings, and they keep getting worse, and there are no signs of any pin feathers coming in. What is the cause of this and what is best to do for it? I have tried lard and sulphur,

with a small amount of carbolic acid mixed with it, but it does not seem to stop the feathers falling out.

Hackensack, N. J.

MRS. G.

ANSWER: Keep on using the lard and sulphur. This cannot be stopped at



ALICE WHITE AND HER WINNINGS.

"Alice White" was 1st pullet at Charleston, S. C., November, 1904, also 1st at Atlanta, Ga., January, 1905. She also won at Atlanta the A. W. P. R. Club's special silk ribbon for the best pullet in the show; also Procter & Gamble's special, \$25 silver cup, for best white bird, any age, sex or variety in the Atlanta show. Bred and owned by E. H. Gaines, White Plymouth Rock Specialist, Gaffney, S. C.

once, but will yield to this treatment in time.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer the following in your next issue: I have one turkey hen and I want her to lay

twice before I let her set. Will the eggs she lays first bring good results in hatching if I keep them until she gets ready to set the second time. J. W. B. JR.

Beckville, Tex.

ANSWER:—You will get better results if you put the turkey eggs under a common hen the first time. Eggs can be kept three or four weeks; but stronger and healthier chicks will result if the eggs are not kept over two weeks.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer the following questions in your Journal:

1st. Will condensed milk take the place of fresh or sour milk for chicks? Will it serve in any degree as a meat diet for young chicks?

2d. How is the best results obtained by mating pullets with their brother or father?

3d. Have a hen with crop full of wind, don't seem to have anything else in it. What is the trouble and relief?

Brunswick, Ga.

F. M. J.

ANSWER: 1st. We have never used condensed milk, therefore cannot say.

2d. By mating pullets with the parent bird. 3d. Hen is trouble with sour crop and indigestion. This can be relieved by feeding her charcoal.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—What ails my pullets? I have 175 and at night, after they have gone to roost, I find one or two that can't get on the perches; their legs lay tight to their bodies and straight out behind and toes curl up. Their bodies shiver. They flop along like a mud turtle. The chicken never stays

HALLOCK'S WHITE WYANDOTTES



Three New York First Prize Winners

Were the sensation of the Madison Square Garden Show, New York, January, 1905. In the hottest class of White Wyandottes ever gotten together (483) they made the following unparalleled record on seven entries.

First Cockerel, First Hen, First Pullet, First Pen, First Collection

Never before was such a record made on any variety in such a hot class. I won \$125 in cash prizes, besides making two record-breaking sales, selling the cockerel heading my first prize pen for \$200, and one of the pullets for \$100. I could afford to sell this cockerel, as I have seven of his full brothers just as good to breed from.

The **HALLOCK STRAIN** has been winning at the large western shows for years. I tell you exactly what prizes I won and where I won them. I do business on the square and guarantee a 50 per cent hatch from all eggs purchased from me. All stock sent out on approval.

HOW I WILL MATE MY PENS

I have mated up seven choice selected breeding pens from which I will sell eggs for hatching at \$3 per 13, \$5 per 26, \$8 per 50 and \$15 per 100. Every one of these pens is headed by a first-class white, blocky male bird, closely related to my New York winners, and I am looking for good results from all of these pens. Every one of the females is chalk white, good shape, good leg color, bay eyes, good combs, short, broad backs, short, well spread tails and extra fine in every section. I do not think there is a breeder in the country who has whiter birds than mine. Have been breeding the same strain for years. Orders for eggs should be made direct from this advertisement. In order to supply the demand for eggs a little better in quality than my average pens, I have selected three of the best from which I will sell eggs during March and April at \$5 per 13, \$8 per 26, \$11 per 50 and \$20 per 100. My strain is noted for its shape and color. If you want eggs from this kind of stock, "You Had Better Hurry."

ROSS C. H. HALLOCK

6314 Clifton Ave., St. Louis, Mo.

that way long; the next morning they seem to be all right.

Will green cut bone supply material for egg shells?

What is the value of burnt bone? My chickens are eating feathers, pulling out on the back at the base of tail feathers and for a 2-inch space have got the tips of the back feathers eaten off.

Conrad, Mont.

C. H. P.

ANSWER.—Overfeeding will very often bring about this condition; also poor ventilation and lack of exercise. Make them work for their feed by scattering it in deep litter. There is very little egg shell material in green bone. Burnt bone sweetens the crop and acts on the liver. Feather eating is caused by lack of exercise, and too close confinement. Try and discover the fowls that have acquired this habit and remove them from pen.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please answer the following in your next issue: Is red clover good for poultry? Is it necessary to grind it, or can it be cut fine enough?

Letters Ford, Ind.

D. P.

ANSWER.—Clover is excellent for chickens. It can be either ground or cut.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer the following questions in your next issue:

1. What is the disease called "pip"

in chickens, the cause, how to detect and remedy for same?

2. I killed a four-months-old droopy chicken a few days ago, and upon examination found that the lungs were nearly completely gone and the space was full of hard white worms, about the size of a knitting needle and from one to two inches in length. What was the cause of this and remedy?

Columbia, S. C.

C. M. S.

ANSWER.—"Pip" is a catarrhal inflammation of the mouth, and may be either an independent disease or a complication of certain inflammatory diseases of the respiratory organs. The symptoms consist of the drying of the membrane of the mouth and particularly of that covering the tongue. A hard opaque deposit accumulates along the edges and upon the under surface of the tongue, and may firmly attach this organ to the adjacent parts. The dried epidermis may partly separate from the sensitive tissues, and form a hard shell, which remains attached to the free extremity of the tongue, causing more or less painful constriction and interfering with the movements of this important organ.

This disease arises from any form of local irritation or injury which is sufficiently serious or long continued to set up inflammatory action.

The common treatment, which consists of tearing the dried epithelium off the

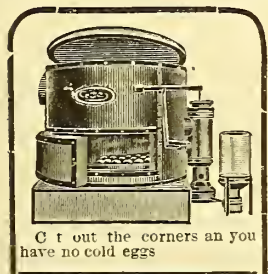
tongue before it has entirely separated by the natural process, is cruel and injurious, often leading to the death of the bird. In case of simple drying of the mouth, it is sufficient to moisten the tongue with a few drops of a mixture of equal parts of glycerine and water. In case there is redness of the membrane, or if the epithelium is beginning to separate, or if a deposit has formed, add twenty grains of chlorate of potash to each ounce of the mixture. An excellent remedy for such cases is made by dissolving fifteen grains of boric acid in an ounce of water. Both of these solutions are harmless and may be freely and frequently applied.

2. We are unable to say what the cause was, but believe it came from an injury, and a fly or other insect deposited eggs in the sore, from which these worms developed.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Kindly answer these questions in your April issue: 1st. If a common male has been running with a pure Wyandotte female will she always be unfit to breed pure birds of her kind from? 2d. If not, how long after a male bird of her own kind is substituted for the common male will the eggs from her hatch pure birds of her kind? 3d. If Wyandotte eggs are hatched from under a common hen will the chicks be as pure as those hatched under a Wyandotte?

At It, In It And Around It 30 Years



Cut out the corners as you have no cold eggs

MR. AXFORD in 1875 received HIS FIRST DIPLOMA on the BEST INCUBATOR. You can't afford to spend your money without getting 1905 CATALOGUE from the oldest manufacturer of incubators and brooders. With 30 years constantly improving and simplifying the AXFORD INCUBATORS and BROODERS, we are now able to put before you a machine not only to hatch the largest percentage of chicks, but with our proper APPLICATION of MOISTURE at all times we guarantee to hatch the largest and healthiest birds. Nothing on the market to compare with our BROODERS in caring for chicks. WE GUARANTEE NO CROWDING. Incubators are built in four sizes, 72-150-200-400 egg capacity. With or without nursery. HATCH and RAISE chicks with one machine, one LAMP at one time. The AXFORD can be placed anywhere, in any room, hot, cold or dry and hatch equally as well. SEND FOR 1905 FREE CATALOGUE.

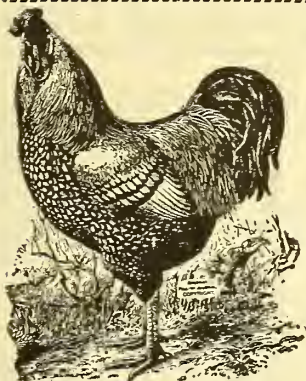
**AXFORD INCUBATOR CO., DEPT. 3
CHICAGO, ILL.**

New Stock For The New Year

Improve the quality of your stock by adding a pair, a trio, or pen of our high grade

PRIZE WINNING FARM BRED POULTRY

Last Fall at various State and County Fairs we won **1628 Prizes**



The stock we sell you is just as good for breeding purposes as our prize winners. We guarantee the purity of the breeding and general health, vigor and conditions of everything we ship. Special prices if you write and call attention to this adv.

Our New Catalogue is in press and will be ready for mailing in a few days. It is the most practical poultry book on the market. No high sounding titles; just plain "Chicken Sense." Write and send five 2-cent stamps for a copy. It will save you money.

HERE ARE A FEW of the breeds shown and described at the special prices.

Light or Dark **Brahmas**; Partridge, Buff or White **Cochins**; Black **Langshans**; Barred, White, Buff **Ply. Rocks**; Black or Mottled **Javas**; Golden, Silver White or Buff **Wyandottes**; Black, White or R. C. **Minorcas**; S. or R. C. W. or Brown **Leghorns**; or Buff **Leghorns**; Buff **Orpingtons**; Blue **Andalusians**; Cornish Indian or B. B. Red **Games**; Pekin **Ducks**; Toulouse or Embden **Geese**; Mammoth Bronze or White Holland **Turkeys**. See catalogue for complete list.

EGGS

We pay as great care to the selection of eggs for shipping as to the mating, breeding and choosing of stock for filling orders. We guarantee all eggs shipped by us to be pure bred and fresh. We pack with greatest possible care. **No better eggs from anyone at any price.** Write us now for what you want and get our quotations before you buy.

The Remarkable Growth of our business has necessitated largely increasing our farm acreage and removing our business offices to commodious rooms in the Seitz Block, opposite Freeport College of Commerce. These changes give us vastly improved facilities for handling all branches of our business. We get our mail every hour and can be instantly reached by Long Distance Phone or Telegraph. Address all correspondence to Freeport. **We have no branches.**

GREAT CENTRAL POULTRY FARMS, The F. W. NIESMAN CO., Props.

Box 40, FREEPORT, ILLINOIS

dotte hen? 4th. If chicks are hatched as late as July fifth, will they grow to be strong and vigorous fowls? 5th. Is rice a good food for chickens, or is it too hard? 6th. Are raw potatoes of both kinds good for chickens if they are cut up small? 7th. Can egg-bound hens be permanently cured, or is it best to kill such fowls and send them to market?

R. F. M.

Washington, D. C.

ANSWER:—1st. This is a much disputed question. Some of our best authorities claim that the influence of the male bird has been shown in the stock the second year. 2d. We believe it would be reasonably safe to use her eggs after she has been laying about two weeks. 3rd. Yes. 4th. Yes. 5th. Yes, but it is rather expensive. Boiled rice is good food for young chicks. 6th. Chickens do not care much for raw potatoes; they are better cooked and mixed with bran and chopped feed. 7th. Egg-bound hens can be permanently cured by the use of sweet oil.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—My neighbor, John Anderson, has four fowls that are the result of a cross between a grade cockerel and a Guinea hen. Is such common, and if so, what are they called? They are vigorous and show much of each parent.

F. W. T.

Lancaster, Ky.

ANSWER.—These are being bred by several fanciers at the present time, but they are not very common. We believe they are unnamed as yet.

Editor AMERICAN POULTRY JOURNAL:..

Dear Sir:—May I avail myself of the courtesy of your columns to bring to the notice of your readers the Hamburg Fanciers' Club, which was started about two years ago and desires to gather into its membership all breeders of any variety of Hamburgs, and stimulate a larger exhibition at our shows of these beautiful birds, and create a wider interest among those who might be encouraged to

breed them. No bird affords more pleasure to the scientific fancier who desires to breed to the standard of perfection. No bird exhibits more grace and beauty in the poultry yard or on the lawn. No bird lays more eggs of such delicious flavor. They are entitled to a larger measure of popular favor.

The support of all breeders is desired



BUFF ORPINGTON.

First prize cock at World's Fair, St. Louis. Bred and owned by J. M. Williams & Co., North Adams, Mich.

and their co-operation will be cordially welcomed. The membership fee is one dollar, as are also the annual dues. It is hoped that those interested will apply for membership to the undersigned.

ROBERT T. PAINE, JR., Secretary.
85 State St.,
Boston, Mass.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Would you kindly answer the following question in your next copy: Could you give the reason for a hen to be laying eggs the size of a pigeon's and

what can I give her to remedy same.

Temple Hall, Jamaica. E. S. C.

ANSWER—The production of these incomplete eggs is an evidence of irritation in the central portion of the oviduct. The hen laying such eggs should be removed from the flock and treated for inflammation of the oviduct. This treatment consists of giving green and cooling food, avoid meat, condition powders, pepper or other irritating ingredients. Keep the bird quiet and administer Epsom salts 20 grains, bicarbonate of soda 2 grains. Follow this with one-half drop of tincture of aconite root three times a day.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer the following in your "Question and Answer" department: My Wyandotte hens have a kind of sickness that I am not familiar with. There comes a big lump between the beak and eye, as thick as a marble. What shall I do to this?

Somerville, Mass.

H. B.

ANSWER: Read the article on roup on page 236, February AMERICAN POULTRY JOURNAL.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Can you tell me what is wrong with hens when they get so they cannot walk right, but rather stagger forward, sometimes turning a somersault?

J. C.

Belknap, Conn.

ANSWER:—This is probably caused by forcing the hens to lay, or by being confined in damp and poorly ventilated quarters. Look for the cause and remove it.

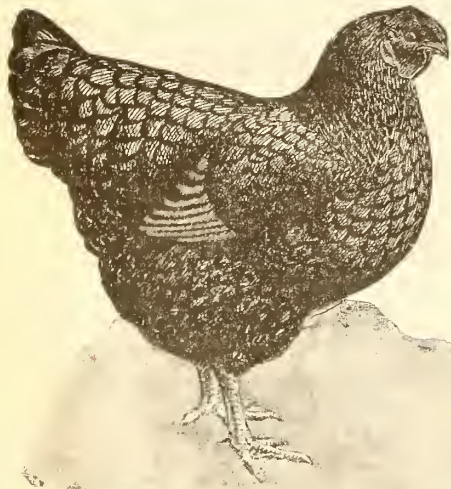
Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer through your JOURNAL: Why do hens lay shellless eggs after they have laid good shelled eggs for a while?

B. F. C.

Dayton, Ohio.

ANSWER—This shows a diseased condition of the egg sack and inflammation



23 First Prize Winners at \$3 Each

This is the number reported us hatched from eggs purchased from JONES' WYANDOTTES last season. Now this is a cheap way to start right, with the strongest blood lines on earth. These customers hatched winners that had they bought, would have cost them more than three times this amount.

EGGS FOR HATCHING

If you want the best, and eggs that will hatch winners, as well as the greatest egg producers in the world, then place your order for eggs with

JONES, THE WYANDOTTE MAN

SILVER, GOLDEN and WHITE WYANDOTTES, G. S. and S. S. BANTAMS, thirty-six pens mated to produce best results. Every breeder a line-bred bird, every male a winner with national reputation, the best lot of breeding birds I ever mated in one lot; but why not, they are all line-bred same as our winners. Fourteen prizes at Chicago, 1905, besides our WORLD'S FAIR WINNERS, should be sufficient evidence that the best is found but one place, "THE PINES." EGGS \$3 per 13, \$5 per 26, \$8.50 per 50, \$15 per hundred.

GRAND LOT OF SELECTED BREEDING BIRDS FOR SALE

Send for our 36-page catalogue, handsomely illustrated in colors and tells all about the largest Wyandotte farm in the world, how to mate and produce the strongest blood lines on earth. A book worthy a place in any library. Send 4 cents in stamps for mailing.

Fashionably Bred lot of Scotch Collie Puppies. Also some Imported and American bred brood bitches for sale.

R. E. JONES, "The Pines"

Box 5, Paducah, Ky.

of the shell-forming chamber of the oviduct which no longer secretes calcareous matter. As treatment in these cases, it is sufficient to remove the cause. Give the fowls plenty of shell-forming material, such as wheat bran, crushed egg shells, cut or calcined bone, broken mortar, crushed oyster shells, etc. Give green food and avoid the causes of inflammation of the oviduct.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Can you tell me in your next JOURNAL how much it will cost to feed one hundred Plymouth Rock chickens until they will dress six pounds apiece? Which will pay better for market, chickens or turkeys? E. D. Parathon, N. Y.

ANSWER:—If you are in a position to raise the greater part of your feed, the cost will be greatly reduced, and will be only about 20c apiece. Chickens will probably pay better than turkeys, as the demand is greater and the cost of raising much less.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you kindly answer in the "Question and Answer Department" if it is advisable to line chicken coops with tar paper. I am going to keep three strains: two for eggs and one for market. What kinds would you advise me to keep? P. J. L.

Wellsburg, Mo.

ANSWER:—Tar paper is one of the best things you can use in lining a chicken coop. You must use your own judgment in selecting your varieties. We never advise or say which is the best.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please tell me the best method of "breaking up" a setting hen? Masa, Wash. MRS. H. D.

ANSWER—Confine the hen in a small, dark coop for a few days. Do not give her anything to sit on except the bare floor, and she will soon get over the desire to set.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—I would like to know through the columns of your JOURNAL what remedy to use for a chicken in the following case: She stoops down and turns her head back over her body, and

continually turns her head from side to side and appears to be in a dizzy stupor, otherwise there seems nothing wrong. Her comb and head look healthy. W. F.

ANSWER—The symptoms indicate congestion of the brain, brought about by irritation of the intestines by parasitic worms. A few drops of turpentine will probably remove the cause.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer through your columns the following questions: How

about them as a feed for eggs.

Pratt, W. Va.

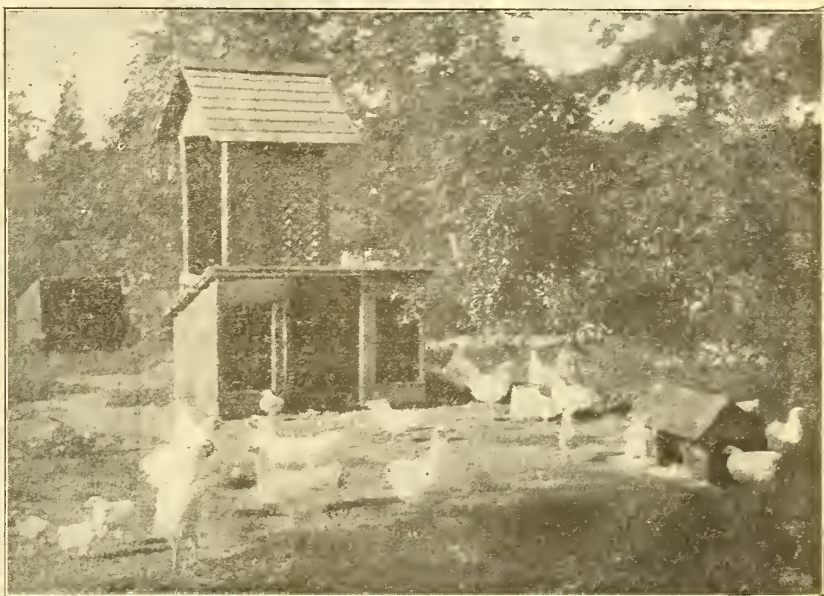
W. D. W.

ANSWER.—From 500 to 800 hens can be kept on a lot of this size. Roasted egg shells can be fed to fowls with profit to the owner.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please answer the following questions in the columns of your valuable paper:

1. Is rape a good green feed in winter? If so, how raise and prepare to use and how fed?



Pedigreed White Plymouth Rock chickens on the poultry farm of Victor D. Caneday, Box A, Taylor's Falls, Minn., where the young stock have the advantages of free range, abundant shade, airy coops and a correct system of feeding. The open air weaning coop in the center of the picture is 3x6 feet on the ground, 2 feet high in the back and 3 feet in front. The front is of inch mesh wire netting, and makes very satisfactory quarters for growing stock in summer and fall. A dry feed hopper is shown to the right of the view, and a brood coop in the background of the style in general use on this farm.

many Wyandotte hens is it practical to keep on a 1½-acre lot where egg production is desired? Is there any virtue in roasted egg shells for hens? I have been feeding them to my hens and they seem very fond of them, but I have never read in poultry journals anything

2. Will canvas or burlap take the place of glass? Will it let in light and keep in heat and the cold out? Would it be more healthful to birds?

3. Is one cock to fifteen hens too many for best results with the Single Comb Buff Orpingtons?



Glenwood Poultry Farm

ARE YOU LOOKING for CHOICE BIRDS?

...WE HAVE PRIZE WINNERS...



We have won hundreds of premiums this fall, which shows the quality of our stock. We have hundreds of choice birds to sell eggs from, of the following varieties:

Light Brahmas,
Buff Cochins,
Partridge Cochins,
White Cochins,
Black Cochins,
White Wyandottes,
Golden Wyandottes,
Silver Wyandottes,
Buff Wyandottes,
Cornish Indian Games,

Rose Comb R. I. Reds,
Barred Rocks,
Buff Rocks,
White Rocks,
Mottled Javas,
Red Caps,
S. G. Dorkings,
White Langshans,
Black Langshans,
W. C. B. Polish,

Golden Polish,
Black Minorcas,
White Minorcas,
S. S. Hamburgs,
Black Spanish,
Blue Andalusians,
R. C. Brown Leghorns,
R. C. White Leghorns,
S. C. Brown Leghorns,
S. C. White Leghorns,

B. B. Red Games,
Buff Leghorns,
Buff Cochin Bantams,
Golden Sebright Bantams,
I. P. Ducks, Rouen Ducks,
Indian Runner Ducks,
Toulouse Geese,
Emden Geese,
M. B. Turkeys,
W. H. Turkeys.

Send 10 cents for our illustrated catalogue, which describes all varieties and gives prices on stock and eggs. Send us your order if you want fair treatment, as we can please you. We can boast of having as many pleased customers as any breeder. All our stock is standard bred and healthy, and we will please you or return your money if not satisfactory.

GEO. P. HARTMAN & SON

BOX D 193, FREEPORT, ILL.

4. How much floor space should be allowed to each fowl? How much yard space?

5. Will you please tell me weight of the S. C. B. Orpingtons? A. P. B. Bloomington, Ind.

ANSWER—We have never heard of rape being used as green feed.

2. We do not advocate the use of canvas or burlap in place of glass, in a cold climate.

3. One cock to fifteen hens is sufficient, if they have plenty of range.

4. Ten square feet. Twenty square feet at least, and more if possible.

5. The weights and other points of the Orpingtons will appear in the new Standard as soon as published.

Editor AMERICAN POULTRY JOURNAL:
Dear Sir—Please answer this question through your JOURNAL: What is the

matter with my turkeys and what can I do for them? They swell up under the eyes and finally their eyes close; they have no appetite and soon die.

Felton, Minn. E. M. C.

ANSWER—Read article on roup in the February number of AMERICAN POULTRY JOURNAL.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—If a beginner would buy eggs from several of the best breeders, and from each sitting, get a good bird, then select the best and mate, what would be the result of the mixed strains on the offsprings? H. W.

Corydon, Ind.

ANSWER—It is hard to say just what the result would be; but we believe it would result in a fine strain of fowls.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you kindly tell me what you think a good book on poultry diseases, treatment and remedy. Also, is there an instrument or machine to test the fertility of an eggs before hatching and where can it be procured?

Troutville, Pa. H. N. S.

ANSWER—The Diseases of Poultry, by Dr. Salmon. Price \$1.50, for sale by us. We know of no machine for testing eggs.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please let me know in next issue how long after turkeys mate until they lay and how long after one litter is out until they will lay again.

Clinton, Tenn. F. R. M.

ANSWER—This all depends upon the care and treatment given the birds.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please answer the following questions: 1. Which is the best breed to raise for caponizing purposes?

2. Does the American Standard of Perfection teach you how to judge all breeds of fowls and does it contain any other information beside judging fowls? Chicago, Ill. J. L. P.

ANSWER—We never say which is the best variety of fowl for any purpose. The American Standard of Perfection tells how to breed all varieties of fowls, and no one can raise exhibition fowls without it. Price of the new revised edition is \$1.50. Orders are now being booked by us, to be delivered as soon as printed.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Give me a remedy for feather eating. Is rice a suitable feed for chickens in a warm climate?

Pascagoula, Miss. J. B.

ANSWER.—Feather eating is generally caused by too close confinement. Once this vice is acquired by a fowl it is almost impossible to break them of it. Free range and plenty of work is the best remedy.

Rice, in moderate quantities, is very good feed for chickens.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please tell me what is the matter with my chickens? They mope around and wings droop and they get light in weight and die.

Sunberry, Ohio. B. F. M.

ANSWER.—The main trouble with your fowls is lice. Thoroughly clean and whitewash your poultry house and dust your fowls twice a week with some good insect powder.



Amatite

ROOFING

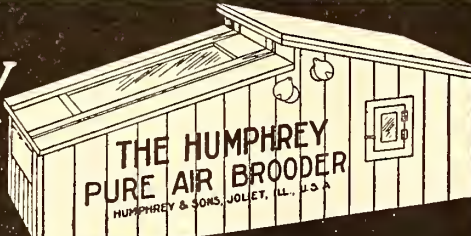
No wet, no mold, no rot under AMATITE.
It's made to keep things dry and tight, and does it better than any other Ready Roofing.
With a hammer you can put it down yourself.
We send with each roll cement and nails sufficient for the job. No expensive help required.
Once on, you forget you have a roof—no leaks, no repairs—just solid satisfaction.
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THE HUMPHREY PURE AIR BROODER
HUMPHREY & SONS, JOLIET, ILL. U.S.A.

READ THESE FOUR LETTERS.

First Order—FOUR Humphrey Pure Air Brooders.
Humphrey & Sons, March 21, 1904.
Gentlemen:—Enclosed find draft for four out door Pure Air Brooders. I have always wanted a brooder with the lamp in the center. I have been offered brooders for less money, but your plan seems to me to be right, and especially the pure air feature. Forward as soon as possible. Respectfully, MRS. T. J. JOSEPH.

Second Order—ONE Humphrey Pure Air Brooder.
Humphrey & Sons, April 21, 1904.
Gentlemen:—Not long ago I ordered four Pure Air Brooders which have arrived all right, but now I find I need another and enclose my draft for it. Please rush. Respectfully, MRS. T. J. JOSEPH.

Third Order—EIGHT Humphrey Pure Air Brooders.
Humphrey & Sons, Jan. 31, 1905.
Gentlemen:—Enclosed find check for eight brooders. I had fine success last season with your brooders; hardly lost any chicks. The center over head heat and pure air is the thing. I wish you success. Respectfully, MRS. T. J. JOSEPH.

Fourth Order—EIGHT Humphrey Pure Air Brooders.
Humphrey & Sons, March 7, 1905.
Gentlemen:—Please forward me eight more Pure Air Brooders. Enclosed find draft for same. I am more satisfied than ever with your brooder. They are just what poultry raisers want and will have when they get to know them. Respectfully, MRS. T. J. JOSEPH.

Free Catalogue. **HUMPHREY, White Street Factory, JOLIET, ILLINOIS.**

Classified Ads.

Under this heading ads will be inserted for five cents per word each month for less than three months, **three cents per word for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. Commencing with the January, 1934 issue, all ads will be inserted under **classified headings.** No ads accepted at less than an average of 50 cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Copy for classified ads should reach us by 19th of month preceding date of issue. Write your copy plainly, as upon this the correctness of your ads largely depends. **AMERICAN POULTRY JOURNAL** is furnished every advertiser during the time his ad is running. **Forty thousand per month.** We guarantee an average monthly circulation of 40,000 copies of **AMERICAN POULTRY JOURNAL.** When placing your ads remember that advertisers of Classified Ads get better returns from **AMERICAN POULTRY JOURNAL** than from any other poultry journal—none excepted.

On writing any of these advertisers mention A. P. J. It helps you and doesn't hurt us.

All Copy for Classified Ads Must Reach us by the 19th of the Month.

PLYMOUTH ROCKS.

WHITE PLYMOUTH ROCKS exclusively. Roots strain direct. Eggs from high scoring pens, \$2.50 per 15, \$4.50 per 30, \$6 per 45. Satisfaction guaranteed. Archie Davis, Tremont, Ill., R. R. No. 1. 4-3

BUFF ROCKS. Millville strain, Toledo winners, scoring to 93% by Butterfield and Tucker. Eggs, \$2 per setting. One pen for sale, \$10. Dr. Counter, Sylvania, Ohio. 4-1

BUFF ROCKS exclusively. Burdick strain. Eggs, \$1 and \$1.50 per 15. Satisfaction guaranteed. Lewis Price, LaGrange, Ind. 4-3

BARGAINS in Barred Plymouth Rock pullets. Three hundred of them to sell this month. \$2 each. Write for prices on large lots. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

BARRED PLYMOUTH ROCK EGGS. 15 for \$1.30 for \$1.75, 50 for \$2.50, 100 for \$4. Lake View Poultry Farm, Markesan, Wis. Mention ad. 4-1

BARRED ROCKS. Hawkins, Thompson and Bradley blood. Eggs, \$1 and \$2; \$5 per hundred. Stock for sale. Satisfaction guaranteed. Watson Brodhead, Franklin, Pa. 4-3

STEVENS' STAY WHITE PLYMOUTH ROCKS. beautiful and profitable. Line bred thirteen years. My motto, satisfaction. W. S. Stevens, Mechanicstown, Ohio. 4-1

BUFF ROCKS—Winners State Fair and Indianapolis Show. Settings, \$1. Wm. A. Stolts, Route 19, Indianapolis, Ind. 4-3

EIGHT YEARS a breeder Barred Plymouth Rocks. Double mating system. A. B. Commons, Richmond, Ind. 4-1

BARRED ROCK EGGS. \$1 per setting. Mrs. Ida Laverty, Promise City, Ia. 4-2

BARRED PLYMOUTH ROCKS—Ringlet Strain; also Black Minorcas and Brown Leghorns; eggs, \$1 per 15. W. L. Dudley, Oranda, Va. 4-3

PURE WHITE ROCK EGGS. \$5 per hundred. \$3 per fifty, \$1 per fifteen. Anna Sharpless, Route 6, West Chester, Pa. 4-3

BARRED PLYMOUTH ROCK EGGS. Conger's strain. \$1.50 for 13 eggs. Charles H. Nye, 41 South Twelfth St., Richmond, Ind. 4-1

BARGAINS—Some choice breeding stock in Barred and White Plymouth Rocks. Trios, \$7; pens, \$10. Order direct from this ad and save time and trouble. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

THOROUGHbred BARRED PLYMOUTH ROCKS exclusively. Eggs for hatching—Exhibition quality. \$2 per setting; incubator eggs, \$4 per 100. Cockerels, \$2 each. Send me your orders. I will treat you right. A. Richter, Harvey, Cook Co., Ill. 4-3

BARRED PLYMOUTH ROCKS. Five pens cockerel and pullet matings. Eggs for hatching. Write R. H. Pennington & Sons, Plainfield, Ill., Route 4. 4-3

BEFORE INVESTING IN BARRED ROCKS write for my free 20-page catalogue and mating list. Chas. Youngman, Box E, Wautoma, Wis. 4-3

BARRED, BUFF AND WHITE ROCKS—Eggs from prize winners. Catalogue free. Write F. B. Ritchie, Warrensburg, Ill. 4-3

BARRED ROCKS EXCLUSIVELY. Bred for winter eggs a specialty. Large boned and barred to the skin. Eggs from prize winners, \$1.50 per 15, \$2.50 per 30. Satisfaction guaranteed. F. A. Baldwin, Radcliffe, Iowa. 4-3

EGGS by the setting or by the thousand from Barred, Buff and White Plymouth Rocks. \$2 and \$3 per setting; \$10 per 100. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

WHITE P. ROCKS. Score from 93 to 94½; headed by 94½-point cockerel. Eggs, \$2 per 15. Sam Boyd, Russell, Iowa. 4-3

EXHIBITION BARRED ROCKS. "Thompson's Ringlets." Cockerel or pullet matings. Eggs from choice pens, \$1.25 for 15; \$3, \$2. J. T. Croak, Cedar Falls, Iowa. 4-3

SIX YEARS' careful breeding insures quality Rider's Buff Rocks. Eggs, 15, \$1; 30, \$1.75; 100, \$4.25. Satisfaction guaranteed. Harry Rider, Fairfield, Iowa. 4-3

BUFF ROCKS—A few choice trios and pens to spare at \$7 per trio; \$10 per pen. Order today. Also eggs, \$2 and \$3 per 15. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

PRIMROSE POULTRY FARM—Buff Rocks exclusively. Eight years of experience. Shepherd Essex and Primrose strains. Birds all bred from prize winners. Eggs, \$2 setting, or two for \$3.50. Fred Ehrigott, 131 N. Sixth St., Quincy, Ill. 4-3

WHITE PLYMOUTH ROCKS (Fisher's). Barred Rocks (Ringlets). Eggs, \$1 per 15. Fine birds. Peter Perry, Chillicothe, Ill. 4-3

BARRED PLYMOUTH ROCKS. Eggs, \$1 per 15. Mrs. J. D. Turley and Miss Jessie A. Turley. Address latter, Black Water, Mo. 4-3

WHITE ROCKS (Fisher strain). Eggs from careful matings, \$1 per 13; \$2, 30; \$5, 100. J. S. Gieske, Barrington, Ill. 4-3

BARRED ROCK EGGS. part Ringlet strain, \$1 per 13, \$6 per 108. H. B. Cooper, Jr., Woodside, West Philadelphia, Pa. 4-1

BARRED ROCK EGGS. \$1 per setting. Glenwood Farm, Locks Village, Mass. 4-1

BARRED AND WHITE ROCKS. Ringlets and Fisher strain. Eggs, \$1 and \$1.50 per 15. Fry Brothers, Route 6, Louisville, Ill. 4-3

HIGH-SCORING WHITE PLYMOUTH ROCKS. 94 to 96½. Have bred them exclusively for twelve years and are as good as can be found anywhere. Eggs, \$2 per 15, \$5 per 45, expressage prepaid. Thomas Owen, Poultry Editor, Station B, Topeka, Kan. 4-1

WHITE PLYMOUTH ROCKS exclusively, standard and utility bred. Prolific layers. Eggs for hatching, \$1.50 per 15. Geo. B. Bowles, Box 358, Parkersburg, W. Va. 4-3

WHITE PLYMOUTH ROCKS exclusively. Large stay White Birds. Four fine pens mated from which I will sell eggs at \$2 per 15. Satisfaction guaranteed. H. W. Dunmore, 420 N. Cuyler Ave., Oak Park, Ill. 4-3

BARRED ROCK EGGS. 18 for \$1.30 for \$1.50. Hens are grand in shape and barrings. Males score 90½ to 91. M. E. Nelson, Wilton Junction, Iowa. 4-3

BUFF ROCKS ONLY. Nugget strain. Eggs sure to please: \$1 per 15, \$1.75 per 30, \$4 per 100. Miss Nora Kiger, Marion, Ohio. 4-3

BUFF ROCKS. Lapham's Gold Medal strain. Two splendid pens, headed by prize-winning sons of "Gold Medal." Eggs, \$1.50 for 13. Geo. C. Otis, Essex Junction, Vt. 4-3

26 EGGS \$1. Thompson's Ringlet strain of pure-bred Barred Plymouth Rocks. Write for circular. Frank Moore, Madison, Ind. 4-3

FOR SALE—Barred Rock Eggs from birds winning four prizes from five entries at Binghamton Industrial Exposition, 1904. Buff Wyandotte eggs, choice stock. Mrs. James Hill, Box 12, Binghamton, N. Y. 4-1

BARRED P. ROCK EGGS from cockerels scoring 94, \$1 to \$1.50 per 15. Correspondence cheerfully answered. Mrs. Kate Taylor, Anita, Iowa. 4-3

WHITE PLYMOUTH ROCKS exclusively. Six years a breeder. Eggs, \$1.50 per 15. Joe Brown, Corydon, Iowa. 4-3

BARRED PLYMOUTH ROCKS. "Ringlet strain." Eggs, \$1.50 per 15, \$2.75 per 30, \$7.00 per 100. U. S. Shreffler, R. No. 2, Kankakee, Ill. 4-3

BUFF ROCK EGGS—Nuggets. First pen headed by cockerel son of Benefactor, first Madison Square Garden. New York; \$2 and \$1.50 per 15, \$6 per 100. F. H. Ricketts, Co-shooton, Ohio. 4-3

SAUNDERS—Buff Plymouth Rocks only. Winners at Louisville. Eggs, \$2.50 per setting. L. Saunders, Nicholasville, Ky. 2-3

WHITE ROCKS—Twenty good cockerels for sale. Fisher strain. Eggs, \$1.50 for 15. White Holland turkey eggs, \$2.50 for 11. H. P. Clark, R. No. 2, Ligonier, Ind. 2-3

EXPRESS PREPAID ON BARRED ROCK EGGS. Thompson's Ringlet strain; are grand in shape and barrings. Fair hatch guaranteed. Eggs from choice pens: \$1.50 per 15; \$2.75 per 30. Catalogue free. Will H. Schadt, Goshen, Ind. 2-4

BUFF ROCKS—We won 5th universal, 5th club special and 2nd Missouri on chl at World's Fair. Have a few chks for sale scoring 90½ to 92; trios, \$5 to \$10; eggs, \$2 per 15, from birds scoring 92 to 93½ (judged by Heimlich, Hinkle & Jenkins, Oakridge, Mo. 2-4

WHITE PLYMOUTH ROCKS EXCLUSIVELY.—My stock is of the whitest and best blood that runs in any White Rocks. Write for description of stock before you buy elsewhere. Eggs from prize winning stock for sale reasonable. Satisfaction and fertile eggs guaranteed. F. P. Klotz, Neff's, Pa. 2-4

STANDARD BRED WHITE ROCKS—20 choice cockerels scoring 90 to 92½ by L. Butterfield, score card with birds. If you want a good breeder write me. Eggs from pen No. 1, \$10 per 15; pen No. 2, \$3 per 15; pen No. 3, \$5 per 15. All females in pen No. 1 score over 94, headed by cockerel 94½. Send for circular. Standard Poultry Yards, C. Sherrick, propr., Howlett, Mich. 2-3

BUFF PLYMOUTH ROCKS—J. D. Wilson, Worcester, N. Y., originator of this most popular variety. Continuously line bred since '88. Record world-wide. Best always the cheapest. Reasonable prices for stock. Eggs from solid matings, \$5 per sitting. 2-3

WHITE ROCKS that win. This season mine have won at Danbury, Conn., 1st and special on cock, 2nd on hen; at Hartford, Conn., 1st and special on cock, 2nd on hen, 4th and special cockerel, 5th on pullet in class of 108. Chas. H. Ward, Bethel, Conn., Hillcrest Farm. 3-3

BARRED ROCKS exclusively. Ringlet strain. Two pens direct from Thompson, mated for exhibition; pullets and cockerels. Eggs, \$3 per 13. Free range, \$1 per 15; \$4 per 100. Mrs. Emma Hoobler, Unionport, Ohio. 3-3

BARNES' BUFF ROCKS. Champion Nugget strain. Pens composed of birds scoring from 90 to 94½. Eggs, \$2.50 per 15. C. E. Barnes, Taylorville, Ill. 2-3

WHITE PLYMOUTH ROCKS exclusively. Old and young stock for sale. Prices reasonable. Orders booked for eggs. Write your wants. Geo. H. Jayne, Shelbyville, Ind. 2-3

MY BARRED ROCKS have a record of 18 ribbons (6 firsts) on 18 entries at Saratoga and Litzitz this season. Eggs, either mating, \$3 per 13; \$5 per 26. William Wisler, Donglassville, Pa. 2-3

BUFF ROCKS. pure breed. Cockerels and Pullets cheap; eggs in season. M. Sarah Moore, Arcola, Ill. 2-3

EXHIBITION Barred Rocks. Thompson's Ringlets, eggs for hatching from our choicest prize winning lines at \$1.50 per 15; \$2.50 per 30; farm range incubator eggs, \$4 per 100. H. E. Kipp, Red Hook, N. Y. 2-3

BUFF ROCKS—Original world-renowned Nuggets. Won Madison Square First; also Pennsylvania State Cup. Free catalogue. J. A. Long, York, Pa. 2-3

BARRED PLYMOUTH ROCKS—To introduce our high class birds we are selling our eggs, \$1.25 per 13 or \$5 per 100. Birds are large size, well barred. Sprague & Wiltsey, Russell, Iowa. 2-3

ED PLYMOUTH ROCKS—Raised from stock bought direct from Bright & Latham. \$2 to \$10 each; state your wants; guarantee perfect satisfaction. Pastime Poultry Yard, Hammond, Piatt Co., Ill. 2-3

BARRED PLYMOUTH ROCKS. pure "Ringlet" strain; eggs, \$1 per 15. Incubator eggs, \$5 per 100. Luther J. Hall, Kenney, Ill. 2-3

BUFF ROCKS exclusively. 11 years. Golden Buff, correct shape, full weight, great layers. Eggs, \$1.50 per 15; \$2.50 per 30. Jno. F. Winter, Wooster, Ohio. 2-4

CONES has made a specialty of Barred Plymouth Rocks for 12 years. Birds shipped on approval. Get prices on stock and eggs from best matings in central Indiana. S. F. Cones, Colfax, Indiana. 2-3

BARRED PLYMOUTH ROCKS—My yards contain winners at Newark, N. J., Lebanon, Carle, Hazleton and Bloomsburg. Pa. Eggs, \$1 setting, \$2; 3 settings, \$5. J. H. Hazledine, Bloomsburg, Pa. 2-3

BARRED PLYMOUTH ROCKS, EXCLUSIVE.—America's very best strains, Hawkins, Thompson, Loeffel, Lash, Mills, Gardner, Conger, etc. Breeding and exhibition birds a specialty. Satisfaction guaranteed. Write me before buying elsewhere. Eggs for sale. J. D. Stevenson, Killbuck, Ohio. 3-3

BARRED ROCKS—Ringlet strain; eggs from exhibition matings, \$2 per 13, \$3.50 per 26. Eggs from farm stock, \$1.25 per 15. Allen Husey, Belledower, Ill. 2-3

BARRED PLYMOUTH ROCKS, Ringlet strain—Eggs, \$1 for 15. S. C. Hunter, Hallsville, Ill. 2-3

CHOICE WHITE PLYMOUTH ROCKS—Fishel's strain. None better; in fine condition. Eggs, \$1.25 per 15. Mrs. M. Elliott, Warsaw, Ind. 2-3

WHITE ROCK EGGS—Pens headed by Fishel cockerels; \$1 for 15; \$5 per 100. A. Paine, Rosemound, Ill. 3-3

BARRED PLYMOUTH ROCKS—From the blood of the best. Big, healthy, fine looking birds. Eggs, \$1 for 15. D. S. Terrell, Elkton, Md. 3-3

WHITE PLYMOUTH ROCKS exclusively.—Eggs, \$1.50 per 15; \$2.50 per 30. Miss Clara Pullman, Centerville, Iowa. 3-3

BUFF ROCK eggs from private high scoring pen, \$1.50 per 15. Ellis E. Lawrence, Spafford, N. Y. 3-3

BUFF AND BARRED ROCKS. Winners at bloodmating, 1905. Eggs for hatching Buff, \$2; Barred, \$1.50 per 15. Write for mating circular. Frank C. Pietsch, R. R. 4, Bloomington, Ill. 3-3

BUFF ROCKS (Nugget strain). Eggs from extra large, heavy winter layers, and splendid buff colored matings, \$1 per 13. Try us; we guarantee satisfaction. Arthur Taylor, Box A, Washington, N. J. 3-3

WHITE PLYMOUTH ROCKS. Fishel strain, silver cup winners. 1, 2, 3 cockerels; 1, 2, 3 pullets; 1 pen Rockford show; Judge Heimlich large stay white birds. Eggs, \$1.50 per 15; \$2.50 per 30. Thomas R. Hedron, 1218 Jackson St., Rockford, Ill. 3-3

INCUBATOR EGGS from farm range. Barred Plymouth Rocks. Great layers. Prize winners, money-makers; males scoring 90½ to 93; head cock. Eggs, \$2 per 50; \$3.50 per 100. Geo. L. Marsh, Ft. Dodge, Ia. 3-3

BUFF ROCKS—My first breeding pen consists of pullets scoring to 93½, mated to full brother of male which headed first prize pen at World's Fair. Second pen headed by 92½ point cockerel, mated to good hens. Eggs from first pen, \$2; second pen, \$1 setting. V. E. Nordlin, Rockford, Ill. 3-3

PLYMOUTH ROCKS. Barred, White and Buff. Bradley, Roots and Millville strains. Eggs, \$1 per 15. H. D. Pinckney Mahopae Falls, N. Y. 3-3

FERRISS WHITE PLYMOUTH ROCKS. 15 eggs, \$1.50; incubator eggs, \$7. Send for card; special matings. David Ferriss, Route 11, Joliet, Ill. 3-3

BUFF ROCKS—Cockerels and hens, prize winning stock; eggs, \$2 per 15. Wm. E. Thomas & Sons, R. R. 9, Zanesville, O. 3-3

WRIGHT'S BARRED ROCKS—The kind that win. 15 eggs, \$2. J. Wright, Darlington, Wis. 3-3

BUFF ROCKS. Eggs from pen headed 1st cockerel, Keen; \$3 setting. W. P. Weston, Hancock, N. H. 3-3

WHITE ROCKS. D. T. Root's strain, scoring up to 95½; eggs, \$2 per 15. W. D. Stover, Goshen, Ind. 3-3

CHOICE Barred and Buff Rock cockerels. \$2 to \$5; eggs, \$2 per 15. Chas. Webb, Klussman, Ohio. 3-3

BARRED ROCKS. Thompson and Hawkins strains; eggs, \$1.50 per 15. W. A. Smith, Burnt Prairie, Ill. 3-3

WHITE ROCKS. Chicago, Detroit winners. Large illustrated circular free. Lyman H. Hill, Jackson, Mich. 3-4

BARRED ROCKS and Single Comb Brown Leghorns. Won 31 prizes one show. Eggs, \$2.25, \$1.50, \$1 for 15. Robert Wilder, Fulton, Mo. 3-3

EGGS for hatching. Barred Plymouth Rocks, E. B. Thompson strain; very fine. Write me and I will tell you all about them. A. J. Barr, Maundia, Iowa. 3-3

BARRED PLYMOUTH ROCKS EXCLUSIVELY—E. B. Thompson strain. Matings this season unsurpassed. Eggs in season, \$1.50 for 13. Seek and you shall find. J. F. Harding, Brownsburg, Ind. 3-3

BARRED ROCKS exclusively. Eggs, 15 for \$1; 100, \$4. Farm raised, vigorous stock. Excellent layers. Mrs. Geo. H. Longest, English, Indiana. 4-3

WHITE PLYMOUTH ROCKS. Eggs, \$1 per 15. Flock headed by a high scoring Fishel \$19 cock. F. H. Hollway, Lytton, Iowa. 4-3

PARTRIDGE PLYMOUTH ROCKS. Fine, large birds. Eggs, \$1.50 per 15. Satisfaction guaranteed. Fred Kypke, Lakemills, Wis. 4-3

BUFF ROCK EGGS from two yards, headed by winning males. Pure Nugget strain. Fine large, even colored females, farm raised. \$1.50 per setting. Fred Somers, Beaver, Pa. 4-3

BUFF ROCK EGGS, the original Nuggets the entire Overhugh flock. Come to headquarters for your pure Nuggets. Our matings are second to none. Birds from our yards in the hands of customers won their share of firsts and silver cup prizes at the large shows this past season. Eggs, \$5 per 13, \$8 per 26, \$12 per 50. Nugget Poultry Farm, Bloomshurg, Pa. 4-3

BUFF ROCKS. Yards headed by sons of Gold Force, the \$30 cockerel. Eggs, \$2 per setting. Exmoor Farms, Lebanon, Pa. 4-4

WHITE PLYMOUTH ROCKS exclusively. Good size, shape and color. Eggs, \$1.50 per 15, \$2.50 per 30, \$5 per 100. D. J. Fitzgerald, Route 2, Bentonport, Iowa. 4-3

BARRED PLYMOUTH ROCK EGGS from birds scoring 90 to 96 points. \$1 setting, \$4 per hundred. Naunie Clausen, Lakefield, Minn., R. 2. 4-3

H. O. SWINEY, Greenview, Ill., Breeder of White Plymouth Rocks. Eggs for hatching. Prices reasonable. 4-3

EGGS, \$3, from the highest scoring White Rocks in Michigan. Particulars free. Geo. F. Minto, Box A, Milan, Mich. 4-3

BARRED ROCKS EXCLUSIVELY—Eggs (15) \$2. First pen, chl. headed by Bradley Bros.' prize winning cock; weighs 11 lbs. Second pen, pullets, contains my 1st, 2nd and 3rd prize winners at Evanston. Circulars free. C. J. Fricstad, Glencoe, Ill. 2-3

EXPRESS PAID on E. B. Thompson Ringlet Strain Barred Rock eggs, \$2 per fifteen; \$5 per 45; very choice exhibition pullet matings. Last Elmira show, first, second, third, fourth pullets. First pen, Chas. W. Pfister, Llvonia, N. Y. 3-4

BUFF ROCK Eggs from first cockerel, Chicago, 1905, Michigan State, Chicago, Ft. Wayne, Cleveland. Cocks and cockerels. Setting, \$2.50. Catalogue. Abbott and Danton, Reading, Mich. 3-3

PURE BRADLEY BARRED ROCK cockerels; prices reasonable; eggs in season, \$2 per setting. Chaney Elwood, Dillman, Ind. 3-3

EGGS from exhibition Barred Plymouth Rock stock, \$1.50 and \$2; mating slip free. Albert M. King, Bonaparte, Iowa. 3-3

BARRED PLYMOUTH ROCKS—Exclusively. Farm raised, pure Ringlet strain. Eggs, 15 for \$1.45 for \$2.50. G. A. Baruett, Route 1, Clinton, Ill. 3-3

BARRED ROCKS—"Ringlet strain." Experienced breeder; fine quality. Eggs, 15, \$1 and \$1.50. J. T. Keenan, Shipman, Ill. 3-3

WHITE AND BUFF ROCK eggs from stock from Cleveland and Pittsburgh first prize winners, \$2 per 15. C. L. Hunter, Greensburg, Ind. 3-3

BEAUTIFUL BLUE BARRED ROCKS (Thompson); score 92 to 94; eggs only, \$1 per 15. Mrs. J. N. May, Marengo, Iowa. 3-3

EGGS. Pure bred stock, Buff Rocks, \$1.50. Single Comb White Leghorn, \$1 per setting. Geo. W. Hatt, Mohns Store, Pa. 3-3

WHITE ROCKS. Fishel's, all first, second, third winners; never defeated. Litzl, Reading, Sanatoga, Pottstown. Eggs only \$1 15. Circular. Harry Levengood, Route 2, Douglassville, Pa. 3-3

BARRED ROCKS—Cockerel matings, Bradley strain. Pullet matings, Thompson strain. Eggs, \$1 per 15; \$1.75 per 30; \$5 per 100. Springfield Poultry Yards, Wyalusing, Pa. 3-3

WHITE PLYMOUTH ROCKS. Bred from Chicago, Joliet winners. Pure white. \$1 per 15; \$2 per 40. George Riegler, Bentonport, Iowa. 3-3

PURE BARRED PLYMOUTH ROCKS exclusively; stock for sale; eggs in season, \$1 per 15, \$5 per 100. Satisfaction guaranteed. Ed Martia, Route 25, Oconomowoc, Wis. 3-3

BARRED ROCKS—Eggs from pens of prize winners. Let's talk about that setting. Harry Izor, Durand, Mich. 3-3

BUFF PLYMOUTH ROCKS. Prize winners. High scores. Eggs, \$1.50 setting. G. H. Johns, La Salle, Ill. 3-3

BARRED WHITE PLYMOUTH ROCKS. Trio, \$4; 15 eggs for \$1. Peter Klootwyk, Munster, Ind. 3-3

220 EGG Strain Trap Nest Bred White Plymouth Rocks. Eggs, \$3 for 15; \$5 for 30. Geo. D. Brandt, Norwalk, Wis. 2-3

BARRED ROCK—Eggs from produce of my \$50 trio that were mated by E. B. Thompson last spring; mated with cockerel recently purchased from Thompson, that he says has but few equals. Eggs, \$3 per 13; \$5 per 26. Lillian Keller, Box 371, Newark, Ohio. 3-3

BUFF PLYMOUTH ROCKS—Pure "Nuggets," the strain that made the breed famous; no more stock. Eggs, \$2 per 15. Yours for quality, Theo. Benner, Bunker Hill, Ill. 3-3

SCHAPERKOTTER BUFF ROCKS—For quality birds, write me; breed only from healthy stock. Eggs, \$2 per 15. E. W. Schaperkotter, Old Orchard, Mo. 3-3

BUFF ROCKS EXCLUSIVELY—Eggs, \$1 per 15; \$2 per 40. Satisfaction guaranteed. Daniel H. Bryant, Oxford, Ohio. 3-3

WHITE PLYMOUTH ROCKS—Fishel strain. Eggs, 15, \$1; 50, \$2.75; 100, \$5. Eggs from select pen. All choice high scoring birds. 15, \$1.50. Chas. A. Stockbridge, Fort Wayne, Ind. 3-3

WHITE PLYMOUTH ROCKS—The kind that win. Scores to 96. Eggs, \$1.50 per 15. Satisfaction guaranteed. Circular free. Ray Cross, Racine, Ohio. 3-3

WHITE ROCKS—Best winning strains. Eggs, \$1.50 per 15, and guaranteed worth the money. Write for particulars and be convinced. Henry Wood, Dwight, Ill. 3-3

BARRED PLYMOUTH ROCKS exclusively (Bradley Bros.' strain). Eggs from best matings, \$2 per 13; \$3.50 for 26. Incubator eggs, \$5 per 100. Edmunds & Jones, Barrington, Ill. 2-3

FINE Barred Rocks from prize winners, \$1.50 to \$5 each. C. L. Carney, Charleston, Ill. 2-3

WHITE ROCK EGGS from birds scoring 94½ to 94½. \$1 for 15. John Jenkins, Oakridge, Mo. 2-3

WYANDOTTES.

W. WYANDOTTES EXCLUSIVELY. Birds all scored. Eggs, \$1 per 15, \$5 per 100. Mrs. I. Greene, R. 3, Morning Sun, Iowa. 3-3

SPECIAL SELECTION OF HIGH QUALITY White Wyandotte eggs, from heavy laying strain. Extra white birds, scoring 95 and better. Fifteen eggs for \$8; thirty eggs, \$5. Any infertile eggs replaced free. Frank S. Patton, Johnson City, Tenn. 4-3

GOLDEN WYANDOTTES. Eggs from high scoring birds. Fifteen eggs, \$1.50; 30, \$2.25. Seventy-five per cent to hatch or duplicate order at half price. G. W. Gillet, Route 4, Wellington, Ohio. 4-2

SILVER LACED WYANDOTTES. Eggs, \$2 per 15, from stock scoring 92 to 94. Satisfaction guaranteed. O. O. Howell, Oetwelu, Iowa. 4-3

WHITE WYANDOTTES EXCLUSIVELY. Choice stock. Farm raised. Eggs, \$1 per 15. Chas. Birdsall, Good Hope, Ill. 4-3

WHITE WYANDOTTES, the birds that won at Chicago big show first cock and first pen. Eggs only \$3 per setting. Order at once if you want the best. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-4

WHITE WYANDOTTES. Dnston strain. Bred for size, shape, color and especially for winter laying. Eggs, 10¢ each; \$6 per 100. Few fine snow white cockerels, \$3 each. L. A. Richardson, Marine, Ill. 4-3

SILVER WYANDOTTES. Six hens, \$1 each. Fifteen good early pullets, \$1.50. Three cockerels, one cock, \$2. Mrs. C. L. Prunty, Medford, Okla. 4-1

WINNING BUFF WYANDOTTES. Eggs, \$2 per 15. Birds in my breeding pens score 90 to 95. None under 90. Brooder plans, 25¢; free to egg customers. A. Almendinger, 41 Oak St., Buffalo, N. Y. 4-3

EGGS from prize winning "Columbian Wyandottes." They have bright yellow legs, finely laced hackles, and great layers of fine eggs. A limited number for sale, \$3 for 15. L. H. Davis, Port Jefferson, N. Y. 3-3

BLUE RIBBON WINNERS—White Wyandottes. A few trios and pens yet for sale. Write for prices. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-4

EGGS, \$1 for .15 from White and Silver Wyandottes. Best strains. Satisfaction guaranteed. Dan Mears, Delrey, Ill. 4-3

BUFF WYANDOTTE EGGS for sale from stock scoring 90 to 94. Three dollars per 15 from first pen and \$2 from second. Ed Matsch, Burlington, Iowa. 4-3

WHITE WYANDOTTES. Eggs. \$1.50 per 15. A. T. Brightman, Granger, Minn. 4-1

SILVER PENCILED WYANDOTTES, prolific and beautiful. Eggs, guaranteed, \$3 for 15; \$5 for 30; \$6 for 45. S. J. Sorensen, Ravine Poultry Yards, Appleton, Wis. 4-3

BUFF WYANDOTTES EXCLUSIVELY. Eggs in season, good layers, from \$1 to \$1.50 per 15. C. B. Way, Wooster, Ohio. 4-3

WHITE WYANDOTTE EGGS, \$2 per 13; 93½ point male. Toulouse geese eggs, 20c each. A. E. Stine, St. James, Ill. 4-3

FOR SALE—Twenty White Wyandotte cockerels. Fifteen eggs. \$1.25. W. C. Jackson, South Bend, Ind. 4-3

WHITE WYANDOTTES (Fishel strain). Eggs from five grand pens, \$1.50 per 15. K. J. Heabler, Attica, Ohio. 4-3

WHITE WYANDOTTES, three pens, good matings, farm range, great layers. Eggs for hatching, \$1 per 15; \$3 per 60; \$5 per 100. R. D. Chalfant, Bluffton, Ind. 4-3

SILVER LACED WYANDOTTES. Eggs only, 15, \$1; 45, \$2.50. Fine stock. Order direct. John Cook, Route 7, Bluffton, Ind. 4-3

WHITE WYANDOTTES EXCLUSIVELY. Eggs, 15, \$2; 30, \$3.50; incubator eggs. Will hatch winners. Line bred, prolific layers, true shape and markings. Seventy-five per cent fertility guaranteed. W. J. Braun, Warsaw, Ill. 4-3

WHITE WYANDOTTES EXCLUSIVELY. Eggs from exhibition matings at \$3 per 15. Incubator eggs from our pure bred farm range flock at \$5 per 100. All males in this flock are brothers to our first prize cockerel at the late Illinois State Show. Write for circular. J. M. Wiley & Son, Elmwood, Ill. 4-3

GOLDEN WYANDOTTE SPECIALIST six years. Won silver cup and every first premium at the big State Show, Louisville, January, 1905, competing with World's Fair, Chicago and Cincinnati winners. Stock for sale. Eggs, \$2 per 15. W. M. Spalding, Cox's Creek, Ky. 4-1

PARTRIDGE WYANDOTTES — ADAMS' "GOLDBANKS." Thirty-three premiums at two State Shows. Stock; eggs. Circular. Rev. A. B. Adams, Altoona, Iowa. 4-3

MY THOROUGHbred ROSE COMB White Wyandottes are prolific winter layers of large brown eggs. Cockerels, \$3. Eggs, \$1 per 13. Myron Graffam, Webster Ave., Bangor, Me. 4-1

PARTRIDGE AND SILVER PENCILED WYANDOTTES. Eggs—Partridge Wyandottes, \$1.50 per 15; Silver Penciled, \$2 per 15. Ed Schmiedemann, Lakemills, Wis. 4-3

WHITE WYANDOTTES (Duston's). Eggs, \$1 for 13; \$3 for 50; \$5 for 100; \$9 for 200. Forest Lawn Wyandotte Yards, James H. Faris, Florence, Neb. 4-1

GOLDEN'S GOLDEN WYANDOTTES, GOLD-EN SPANGLED and Penciled Hamburgs. Eggs, \$2.50 per 15; \$4.00 per 30. Ira Sitterly, 19 Potter St., Gloversville, N. Y. 4-3

SILVER LACED WYANDOTTES. Choice cockerels, \$2 each. Extra fine stock. Mrs. Irene Leonard, Mt. Sterling, Ohio. 4-1

GOLDEN and BUFF WYANDOTTE eggs from choice stock at special prices. Circular. A. F. Hertzler, Burlington, Iowa. 4-3

WILSON'S BUFF WYANDOTTES. Winners at Topeka, Lincoln, Chicago, 1905. Eggs. Free circular. A. Wilson, Cheney, Neb. 4-1

WHITE WYANDOTTES—Heavy layers. Won at Pontiac and State Show, Detroit, six firsts, four seconds, two thirds, strongest competition. Birds best pen score 92½ to 94. Eggs, \$3 per 15. Will win for you. R. M. Morton, Box 652, Detroit, Mich. 4-3

DR. HARWOOD, CHASM FALLS, N. Y. Buff, Partridge, Silver Penciled and Columbian Wyandottes. Finest strains. Circular. 4-3

WHITE WYANDOTTES. Eggs from my prize winners at \$2 per 15. Eleven prizes, Decatur, three State Show, Peoria. None better bred for exhibition or utility. Victor Dewein, Warrensburg, Ill. 4-3

WHITE WYANDOTTES EXCLUSIVELY—Pure white plumage; true Wyandotte shape; standard weight. Eggs direct from winners, \$2 per 15. Circular free. Melrose Poultry Farm, Kenney, Ill. 2-3

WHITE WYANDOTTES—Best strains bred to lay as well as win; extra large Pekin Ducks. Circular. Eggs a specialty. Chas. H. G. Swelgart, Avondale, Pa. 3-3

WHITE WYANDOTTES. Winners among the world's best birds from my yards being among winners at St. Louis; largest and strongest class ever exhibited. In strong competition this season at Mason City and Webster City. Won seven firsts (tied eighth) out of possible ten. Eggs, \$2.50 per 15. Geo. L. Marsh, Ft. Dodge, Iowa. 3-3

EGGS from large, vigorous, high scoring White and Silver Laced Wyandottes for sale. You need my free circular and prices before buying. Wm. S. Mapes, El Dorado, Ill. 3-3

WHITE WYANDOTTES. Large size, fine quality, leading strain of Boston winners. Eggs, choice matings, \$2 setting; three settings, \$5. W. P. Weston, Hancock, N. H. 3-3

WHITE WYANDOTTES. "Duston." Choice stock. Excellent layers. Eggs, \$1.25 for 15; \$5 for 100. L. C. Taylor, Lake View Farm, Lima, Ind. 3-4

PARTRIDGE WYANDOTTES. First premium winners. Illinois State. Indianapolis shows. Eggs, \$3 15. Williams Poultry Co., Saybrook, Ill. 3-3

MY SILVER PENCILED WYANDOTTES won 1st cockerel, 1st and 3rd pullet, 2nd and 4th hen, and 1st pen at the Chicago Show, 1905. Eggs, \$3 per setting. J. E. Armstrong, 10638 Prospect Ave., Chicago. 3-3

DUSTON'S WHITE WYANDOTTES. Best eggs, fifteen, \$2; thirty, \$3.50; others, \$1.50. Leaflet. Morris & Morris, Morrisonville, Ill. 3-3

GOLDEN WYANDOTTES from stock scoring 91½, 94½. Eggs, 15, \$1.50; 100, \$5. No stock. Percy Dawson, Route 10, Franksville, Wis. 3-3

WHITE AND PARTRIDGE WYANDOTTES. Eggs, \$1 for 15; fertile eggs a specialty. Wm. Shreve, Uhrichsville, Ohio. 3-3

SILVER LACED WYANDOTTES exclusively. Eggs, \$1.50 per 15. Satisfaction guaranteed. T. W. Wilhite, Hornsby, Ill. 3-3

CHICKS, EGGS, COCKERELS. WHITE WYANDOTTE. Ask for our free Booklet. Cohasset Poultry Farm, R. 2, Muskegon, Mich. 3-3

WHITE WYANDOTTES. The descendants of a long list of prize winners are the make-up of my breeding pens the coming season; large stay white, good shape, bay eyes and good combs; Duston strain, scoring 94½ to 95½. Will sell eggs from these pens at \$2 per setting. Do not miss this, but place your orders early and save delay. Some good cockerels and pullets to sell at prices within reason. G. H. Sunderman, Beardstown, Ill. 3-3

SILVER LACED WYANDOTTE EGGS. \$1.50 for 15. A. H. Barton, Mt. Ephraim, N. J. 3-3

WHITE WYANDOTTES. Partridge Wyandottes; from best stock money can buy; 15 eggs, \$1.50; \$6 per 100. Louis Stassen, Peotone, Ill. 3-3

WHITE WYANDOTTES exclusively. Great layers. Eggs, \$1.25 for 15; \$2 for 30. C. A. Jones, Atlanta, Ill. 3-3

GOLDEN WYANDOTTES exclusively. Keller Strain. Excellent layers. Eggs, \$1.25 per 15; \$2.00 for 30; \$3.00 per 50. No further reduction. Lemuel Greth, Wernersville, Pa. 1-6

HIGH CLASS PARTRIDGE WYANDOTTES. Stock for sale. Eggs, \$3 and \$5 per 13. H. J. Manley, Maplewood, Malden, Mass. 1-6

HIGH GRADE WHITE WYANDOTTES—From \$1 up; eggs, \$1 to \$2 per 15. E. C. Jolly, Franklin, Ill. 2-3

EXPRESS PREPAID ON WHITE WYANDOTTE EGGS—Winner of five firsts, three seconds and six specials at the late Goshen Poultry Show. Have won over 100 prizes in the last three years in hottest kind of competition. Eggs from prize winners, \$2 per 15, \$3.75 per 30. Fair hatch guaranteed. Catalogue free. Will H. Schadt, Goshen, Ind. 2-4

WHITE WYANDOTTES—Prize winners at the great Chicago show under Judge Russell: Duston strain; \$2 per 15, \$8 per 100. H. M. Lovett, 538 E. 44th St., Chicago, Ill. 2-3

WHITE WYANDOTTES—Fine healthy stock. Eggs, \$1.50 per 15. Stock for sale. E. D. Wright, R. 1, Salem, Ohio. 2-5

PARTRIDGE WYANDOTTES—Hens, cocks, pullets and cockerels for sale. No better stock in existence. Have commenced booking orders for eggs. Correspondence solicited. Allen Rowe, 433 Raymond St., Elgin, Ill. 2-3

STAY WHITE WYANDOTTES—Standard bred; eggs guarantee 75 to 90 per cent fertile and fair treatment guaranteed; 13, \$1; 100, \$5. W. E. Shoemaker, Laceyville, Pa. 2-3

SILVER LACED WYANDOTTES—None better. Nineteen years a breeder. Address C. H. Thompson, Elsberry, Mo. 2-5

BUFF WYANDOTTES—Well bred, good shape, good color; eggs from 3 pens, \$1 per 13. Edwin J. Seal, Rockford, Ill. 2-3

WHITE WYANDOTTES—Winner of club specials home show; fancy cockerels, trios and pens. Eggs, \$2. J. R. Cannon, Elsberry, Mo. 2-3

WHITE WYANDOTTES—"White Quill" strain; ten birds score 962½ in show. Stock and eggs. Thomas Osborn, Fairfield, Iowa. Briggs St. 2-3

WHITE AND PARTRIDGE WYANDOTTES—Highest quality; moderate cost. Chas. E. Phillips, Box A, Irvington Sta., Indianapolis, Ind. 2-3

COLUMBIAN WYANDOTTES—Winners at Madison Square Garden; a few good cockerels to spare. Eggs, \$3 per setting. Dr. C. J. Andruss Canandaigua, N. Y. "The Black Minorca Man." 2-05-12

WHITE WYANDOTTES—Exclusively. America's best blood, Duston, line-bred, farm raised, white and vigorous; eggs, \$1.50 per 15; \$3 per 100. Hens and pullets, \$1.50 each. Meadowbrook Farm, Westfield, Ind. 3-3

PARTRIDGE WYANDOTTES—Eggs from select females mated to cockerels from Doolittle, \$2 for 15, N. A. & M. M. Robinson, 1517 Hebron Ave., Zion City, Ill. 3-3

OUR ROYAL STRAIN of Silver Laced Wyandottes was bred and are mated now in single pairs. Every egg guaranteed fertile; \$2 per 15; Ben Eilers & Son, R. R. No. 2, Gordon Ave., Peoria, Ill. 3-6

PARTRIDGE WYANDOTTES—Eggs for hatching from three grand pens of prize winners, \$2 per 15. C. P. Richey, Malone, N. Y. 3-3

PURE BRED WHITE WYANDOTTES—From the best strains in America. Heavy layers. Large snow white, blocky birds. Eggs, \$1.50 per 15, \$6 per 100. Motto: "Golden Rule." Dr. H. Doster, Poneto, Ind. 3-6

GOLDEN WYANDOTTES—Exclusively. Stock and eggs for sale. Pond Lot Poultry Farm, D. Burr Snell, Cannonsville, N. Y. 3-3

SILVER LACED, Silver Penciled and Columbian Wyandottes—Eggs from best pens, \$2 per 15. Ray D. Brown, Tully, N. Y. 3-6

BRED TO LAY—White Wyandottes. Egg records, 199 to 239. Eggs, \$2 for 15; \$3 for 30; \$5 for 50. Males, \$2.50 to \$5; females, \$2 to \$3. J. R. Lindsay, Charleoi, Pa. 3-3

PARTRIDGE AND WHITE WYANDOTTE eggs, \$1 per setting; leading strains. J. Mall, Coshocton Ave., Mt. Vernon, Ohio. 3-3

EIGHT PARTRIDGE WYANDOTTE COCKERELS from choice mating, very best strain, fine marked birds. W. A. Pierce, Waterville, N. Y. 2-3

PARTRIDGE WYANDOTTES—Eggs from winners Detroit and Ontario shows. Closing out stock at bargains. L. C. Knorr, Detroit, Mich. 2-3

WHITE WYANDOTTES. "The kind that lay"; 6 years' use of trap nests. Best eggs, \$2 for 15; \$3.50 for 30; \$5 for 45; \$10 for 100. Incubator, \$6 for 100. Circular free. W. B. Candee, Box P, Fayetteville, N. Y. 2-4

YOU CAN purchase White Wyandottes scoring 92 to 95½, by Southard, cheap. From A. S. Dean, Route No. 1, Brookfield, Mo. 2-3

WHITE WYANDOTTES ONLY—Three choice matings; eggs, \$1.25, 15, \$2, 30. Reference, Havana National Bank. Harry Hill, Havana, Ill. 2-4

COCKERELS—White Wyandottes and White Rock for sale; prices right. D. W. Poundstone, R. F. D. No. 3, Uniontown, Pa. 2-3

AT WYANDOTTE DEPOT you get eggs that will hatch strong, healthy chicks from White, Buff and Black Wyandottes, carefully mated for practical and exhibition purposes. I guarantee satisfactory hatch or duplicate your order free. I solicit your patronage and assure you I will do all I can to please you. Quality not quantity our motto. Eggs, \$1.25 per 15; \$2 per 30. John Clevisch, Carlisle, Pa. 2-3

SYLVAN WHITE WYANDOTTES—Snow white beauties. A few cockerels bred from stock scoring 93 to 96, at \$1.25 to \$2.50. Eggs \$1. A. Nape, Mt. Horeb, Wis. 2-3

SILVER WYANDOTTE winners. Twenty-four premiums at St. Louis, Belleville and Waterloo, Illinois, 1903-4. Stock scoring 94 points; eggs only \$2 for 13. R. P. Briegel, Columbia, Ill. 2-3

EGGS FOR HATCHING—White Wyandottes, Buff Rocks, Buff Leghorns. Best strains in America. Write for prices. E. S. Bassler, Wernersville, Pa. 1-6

MY COLUMBIAN WYANDOTTES won 1st prize on pen at Boston show 1905. Eggs for sale, \$2 per setting. R. G. Richardson, Lowell, Mass., R. F. D. 2. 2-4

SILVER, GOLDEN AND BLACK WYANDOTTES—Line-bred. Winners at America's best shows for twenty years. Circular free. J. M. Lottridge, Cincinnati, N. Y. 2-3

WHITE WYANDOTTES, White Rocks, Buff Rocks, Partridge Cochins. All high scoring stock. Eggs for hatching, \$1.50 and \$2 per 15. W. C. Youngman, Oregon, Ill. 3-2

MANORDALE FARMS—Famous bred-to-lay White Wyandottes; 149 eggs in 151 days is a pullet record. Eggs, \$2 per setting. Joe F. Charles, Moutville, Pa. 3-12

WHITE WYANDOTTES exclusively—Eggs, \$1 per 15; \$5 per 100. Brown egg strain. A limited number of pullets and hens for sale. Satisfaction guaranteed. Book orders now. A. W. Hunsberger, F. R. D. 2, Hatfield, Pa. 2-3

SILVER WYANDOTTE—Eggs for hatching, from high scoring birds. Pen 1—Utility birds with good lacing; \$1 for 15. Pen 2—Average score of birds over 92 points; \$1.50 for 15. Pen 3—Contains fourth cock at St. Louis 1st, 2d, 3d and 4th pullets at Belvidere. Expect a large number of show birds from this mating. \$2 for 15. Write me. J. E. Harrington, Sycamore, Ill. 3-3

WHITE WYANDOTTES EXCLUSIVELY—Stock for sale. Eggs, \$1.50 per 15, straight. Address Ed Hippert, Kewanee, Ill. 3-3

WYANDOTTE EGGS—\$2 per 13. Silver Laced, Penciled and White. Only exhibition stock. Dr. Litzenger, Orefield, Pa. 3-3

WHITE WYANDOTTES—Duston strain direct; large, blocky birds; bay eyes, yellow legs; scoring 91 to 95. Eggs, \$1.15; \$3.50; \$5. 100. Lawn Poultry Yards, Poneto, Ind. 3-3

S. C. BLACK MINORCAS, White Leghorns and White Wyandottes. Eggs, 15 for \$1. Henry Yaggy, Woodburn, Ind. 3-3

HIGH CLASS PARTRIDGE WYANDOTTES—Winners Ohio State Show. Stock and eggs for sale. Frank Werkmeister, Dayton, Ohio. 3-3

WHITE WYANDOTTES exclusively; Duston strain direct; positively pure. Eggs, \$1 per 15; \$1.75 per 30; \$3 per 60; \$5 per 100. January egg record and illustrated folder on application. P. W. Gerhart, Jr., Wernersville, Pa. 3-3

HIGH CLASS WHITE WYANDOTTES—Choice stock, old and young, for sale at reasonable prices. Eggs, \$2 per 13. Circular free. L. H. Morse, Newark, New York. 1-4

EGGS from standard bred White Wyandottes, \$1.50 per 26. Charles Rose, Water Mill, N. Y. 3-3

WHITE WYANDOTTES EXCLUSIVELY, Duston blood. Eggs from prize winning matings. Two dollars for fifteen. Extra care to produce fertility. Incubator eggs a specialty. Write for particulars. Fine Cockerels for sale. Geo. S. Pomeroy, Jonesville, Mich. 2-3

LEGHORNS.

SINGLE COMB WHITE LEGHORNS. Wyck-offs and Blanchards. Eggs, 75c per 15; 100, \$1. Myrtle Colledower, Palestine, Ill. 4-3

WHITE LEGHORN EGGS, the kind you have been looking for. Two hundred egg strain, fine in shape and color. Birds score from 92½ to 95½. Satisfaction guaranteed or money back. Eggs, \$2 per 15, or \$8 per 100. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-11

ROSE COMB LEGHORNS. White and brown stock all sold. Eggs, \$1 for 15, \$2 for 30. John Cook, Route 7, Bluffton, Ind. 2-6

SINGLE COMB WHITE LEGHORN COCKERELS, 75c; Barred Plymouth Rock Cocks and Cockerels, \$1. Fifteen eggs, 75c; 45, \$1.80. Meadow Poultry Farm, Coulterville, Ill. 3-3

RESULT BRINGERS—Single Comb White Leghorns; Blanchards; laying strain; choice pens, \$6; extra trios, \$1; cockerels, \$1.50; extra, \$2; extra choice eggs, 15, \$1.50; 100, \$5. H. C. Beebe, Canton, Ill., R. 5. 1-4

McELHENY'S S. C. White Leghorns are bred to lay. Finely illustrated circular with directions for feeding free. Frank L. McElheny, Box J, Cuba, N. Y. 4-3

COLE'S LEGHORNS—Rose Comb Brown. Eggs, 15, \$1; 100, \$5. Chas E. Cole, Elmwood, Ill. 4-3

A BARGAIN—Pure S. C. W. Leghorns; eggs for sale, \$1 per 15. A. R. Messelher, Hampton, Iowa. 4-1

DON'T BUY S. C. B. Leghorns of me unless you want good ones; have won 22 premiums this winter; stock and eggs for sale; eggs, \$1.50 for 15. S. W. Croshy, Newton Falls, Pa. 4-3

SINGLE COMB BUFF Leghorns won at Wis. State Show, 1905, 1st ck., 1st 2d, 3d ckl., 1st, 2d, 3d, 5th hen, 1st, 2d, 3d pul.; 15 eggs, \$2; 30, \$3.50; 2d & 3d ckl. for sale. Barred Rock winners. Catalogue. Geo. W. Oaks, Oshkosh, Wis. 4-1

17 EGGS, \$1; 100, \$4. From heavy laying strain. Rose Comb Brown Leghorns. W. E. Callihan, Tennessee, Ill. 4-3

\$3 FOR 100 EGGS, Buff and White Leghorns. Special matings, \$1.25 per 15, \$2.50 for 45. C. R. Reyolds, Ft. Atkinson, Wis. 4-3

1000 SINGLE COMB WHITE AND BROWN LEGHORNS—Bred in line 26 years for great layers and exhibition; Browns scoring to 95½; Whites to 96. Circular. J. M. Yoder, Millersburg, Ohio. 2-3

ROSE COMB WHITE LEGHORNS—Pure stock; 15 eggs, \$1. Ella L. Waltman, Route 44, New Albany, Pa. 2-3

SINGLE COMB BROWN LEGHORNS. Eggs from my best pens, \$2 per setting; \$5 per fifty; \$9 per hundred. From utility stock, one-half the above rates. Satisfaction guaranteed. Paul T. Hohart, Roscoe, Ill. 4-3

SINGLE COMB WHITE LEGHORNS—Bred from White Leghorns Poultry Yards. Eggs per setting, \$1. Louis Houghtaling, Hudson, N. Y., R. F. D. No. 2. 4-3

SINGLE COMB WHITE LEGHORNS—Wyckoff & Bauscher strain; eggs, \$1.50 per 15. G. Frey, St. James, L. I., N. Y. 3-3

MORGAN FARM LEGHORNS are real Leghorns. A prominent Illinois doctor wrote us after reading our booklet as follows: "Your little booklet is very artistic and very pretty as well as readable and interesting." Don't you want one? Drop a postal to Henry L. Haff, Route B. 30, Beloit, Wis. 3-3

S. C. WHITE LEGHORN cockerels, bred from our celebrated layers, \$1 each. Van Dusen Bros., Cazenovia, N. Y. 3-2

ALFRED J. ANDERSON, breeder of S. C. B. Leghorns. Eggs for sale in season, 50c per 13; \$3 per 100. R. C. White Leghorns, \$1 per 13; \$5 per 100. Rockford, Ill., R. F. D. 5. 3-3

LITTLE CHICKS—Just hatched from fine S. C. Brown and White Leghorns, etc. Price, \$8 per 100 chicks. M. Uhl & Co., Box B, New Washington, Ohio. 3-4

ROSE COMB BROWN LEGHORNS exclusively (Kulps), great layers. Eggs, \$1 for 15; \$4 per 100. Sand Hill Poultry Farm, Mrs. Thos. Cole, Piercedon, Ind. (Kosciusko Co.) 3-3

ROSE COMB BROWN LEGHORNS a specialty for 12 years. Cockerels won 1, 2, 3, pullets 1, 2, at big Ann Arbor show, Tucker, judge; prices right. Harkins & Son, Ann Arbor, Mich. 3-3

SINGLE COMB BROWN LEGHORNS exclusively. Stock from McClave and other prize-winning strains; 15 eggs, \$1; 40, \$2; 100, \$5. Circular free. Simeon Tohias, Crothersville, Ind. 3-3

LOOK! 30 S. C. BROWN Leghorn eggs, \$1; 100, \$2.50. Jesse Roberts, St. Charles, Iowa. 3-3

ROSE COMB BUFF LEGHORNS—Winners New York, Boston and Pan; 25 for sale. Eggs. Alfred Thomas, Rockville, Conn. 2-3

S. C. WHITE LEGHORNS—We have the finest flock in the West. Large size, snow white, typical shape. Send for circular. Eggs, \$1 per 15, \$5 per 100. North Lake Poultry Farm, Lake Mills, Wis. 2-4

SINGLE COMB BROWN LEGHORNS—My yards are mated to cockerels from Grove Hill and are bred for heavy laying, as well as for exhibition; 15 eggs, 75c; 50, \$2; 100, \$3.50. Jesse Forney, Birds Run, Ohio. 2-4

ROSE COMB BUFF LEGHORNS—Great layers; 15 eggs, \$1. Leonard A. Waltman, Route 44, New Albany, Pa. 2-3

I PURCHASED of Wyckoff, of Ithaca, some single comb White Leghorns. Will sell eggs, \$1.25 per 15 or \$2 per 30. Also single comb White Orpingtons, \$1.50 per 15. Grace Cummings, Maryland, N. Y. 2-3

ROSE COMB White & Rose Comb Brown Leghorns, 300 birds for sale; eggs for season. Jno. Cook, Route 7, Bluffton, Ind. 2-6

LEGHORNS—White, Brown and Buff; eggs, \$1 per 15, \$2 per 45. Large paper free. Albert Bagwell, R. F. D. No. 4, Paducah, Ky. 2-3

AMERICAN best Single Comb Buff Leghorns, Arnolds and Lamons strains, eggs \$1 per setting. Buff Leghorn Poultry Yards, Annville, Pa. 2-3

SINGLE COMB WHITE LEGHORNS—Chicago and Detroit winners. Eggs, \$2 per 15. Geo. J. Horn, 17 Sherwood Ave., Detroit, Mich. 2-3

S. C. W. LEGHORN EGGS—1st, 2nd, 3rd score 96½, 95½, Erie, 1904. Write I. C. Gates, Sharon, Pa. 2-3

SINGLE COMB WHITE LEGHORNS exclusively, 15 eggs \$1.50, from large, vigorous, well bred stock. Dr. P. L. Kreiss & Son, Benjamin, Pa. 3-5

SINGLE COMB BROWN LEGHORNS, bred to win. Bred to lay. Eggs from prize winners at Pittsburgh, East Palestine, Allegheny and Canal Dover, \$1.50 per setting. Fred H. Cook, Beaver, Pa. 3-3

S. C. BUFF LEGHORNS. Won Silver Cup, Harrisburg, Pa., January, 1905; 4 firsts out of a possible 5. Eggs, \$2 for 13; \$4 for 30. Chas. Fluhme, Box 131, Aspinwall, Pa. 3-3

SINGLE COMB BUFF LEGHORNS. Heavy winter layers. Eggs, \$1 per 13. Chas. L. Fenton, West Winfield, N. Y. 3-3

EGGS, 5c each. Rose Comb Brown Leghorns. Profitable, vigorous farm stock. Satisfaction guaranteed. Daniel Tooker, Edmore, Mich. 3-3

200-EGG ROSE COMB WHITE LEGHORNS. Anderson strain of Australian competition fame. Every hen in breeding pens with trap-nest record of over 200 eggs a year. Eggs ordered from this advertisement only. \$2.15, \$3.50, \$5.50. J. Monroe Anderson, Pleasant Hill Potato and Poultry Farm, Muncie, Ind. 3-3

20,000 FERTILE EGGS for hatching S. C. White Leghorns, that are large, vigorous breeders, and a strain of heavy layers. Regular egg machines. \$1 per 15, \$2.50 per 50, \$4 per 100. Big value for the money. C. A. Stevens & Co., Box 20, Wilson, N. Y. 3-3

SINGLE COMB BUFF LEGHORNS. Eggs from choice matings, \$1.50 per 15. Fine stock, excellent layers. Write us. Westview Poultry Yards, Box 11, Machias, N. Y. 3-3

FREE CATALOGUE. Single Comb White, Buff and Brown Leghorns. Belgian Hares. Failing Poultry Farm, La Fargeville, N. Y. 3-3

ROSE COMB WHITE LEGHORNS. Bred from Chicago, Springfield winners; two fine pens. Pen No. 1, \$1.50 per 15 straight; No. 2, 7c 15, \$1.50 per 30. George Rigler, Bentonport, Iowa. 3-3

I WILL SELL EGGS at \$1 per 15, from my exhibition pen of Single Comb White Leghorns. Write me. Noah Young, Pontiac, Ill. 3-3

WYCKOFF, RICE VAN DRESER strains, Single Comb White Leghorns. Eggs, \$1.50 per 15, \$5 per 100. Stock for sale. Fine breeding, cockerels specialty. Write your wants; satisfaction guaranteed. Earl S. Fowler, Sidney, N. Y. 3-3

HUMBOLDT PARK POULTRY FARM. Single Comb White Leghorns exclusively. Large, healthy, vigorous stock; heavy layers; Wyckoff strain (improved); pure white. Eggs, \$1 per 15. Satisfaction guaranteed. D. B. Wing, 605 Humboldt St., Chicago. 3-3

EMPIRE STATE S. C. WHITE LEGHORNS won two first premiums at New York State Fair, 1904. Trios, \$5; eggs, \$1 per 15, \$5 per 100. Catalogue free. C. H. Zimmer, Box Z, Weedsport, N. Y. 3-3

SINGLE COMB WHITE LEGHORNS. Heavy laying strain. Regular egg machines. Farm raised. Eggs \$1.50, \$3, \$4 100, \$7 200. D. Kirchhofer, "A," Dalton, O. 3-3

SINGLE COMB WHITE LEGHORNS. Heavy laying strain. Eggs, \$1 per 15, \$2 for 35. A. B. Wingert, 106 Maiden Lane, Springfield, Ohio. 3-3

SINGLE COMB WHITE LEGHORNS exclusively. Good size. Laying strain. Get stock from winter layers if you want to win. Eggs, \$1 per 15, \$5 per 100. F. C. Hyde, Lakeside Fruit Farm, Richfield Springs, N. Y. 3-3

MORROW Q. HATHAWAY, breeder Rose Comb Brown Leghorns exclusively; direct descendants from the Hansel Australian world heaters. Eggs, \$1 per 15, \$5 per 100. Winamac, Ind. 3-3

WANTED—All Rose Comb Brown Leghorn lovers to know how I can afford to sell Five Thousand eggs, from vigorous farm raised Prize Winners, at \$1 per fifteen. Free circular tells how. O. C. Van Doren, Loami, Ill. 3-3

EGGS. Single Comb Brown Leghorns; pullets score 91½ to 93; mated with cock scoring 94½. \$1.50 per 15; 30, \$2.50. Sure to produce some fine birds. Harry Rohley, Whitehall, Ill. 3-3

SINGLE COMB WHITE LEGHORNS. Pens score 93 to 95; none better. Eggs, \$1 per 15, \$2.50 per 50. E. G. Judy, Potomac, Ill. 3-3

WORLD'S FAIR WINNER Rose Comb Brown Leghorns. Stock and eggs. Price list free. Also Single and Rose Comb White, Single Comb Brown and Buff. T. N. Smiley & Son, Milligan, Ind. 3-3

SINGLE COMB BROWN LEGHORNS. High scoring stock. Eggs, \$1 for 15; \$1.75 for 30. Mrs. Jay W. Preston, Griswold, Iowa. 4-3

EXCLUSIVE and largest breeder of thoroughbred Single Comb White Leghorns in the state. Large, fine, early hatched cockerels, 75c each; pullets, \$1. Eggs from pens scoring over 90, \$3 per 100. Satisfaction guaranteed. P. A. Doughty, Bonaparte, Iowa. 4-1

ROSE COMB WHITE LEGHORNS. Eggs for hatching. Prize winners. Layers of large eggs. Wilfred S. Hannah, 149 Monroe St., Grand Rapids, Mich. 4-2

BLACK LEGHORNS. Grand in standard and utility. Eggs from choice matings at \$1 per 15. A. B. Howard, Barnesville, O. 3-3

BLUE GRASS STRAIN S. C. Brown Leghorns. standard bred; heavy layers; vigorous stock. 15 eggs, \$1; 30, \$1.50. L. B. Newman, Grange City, Ky. 3-3

SINGLE COMB STAY WHITE LEGHORNS. America's best heavy laying and exhibition strains; winners wherever shown, scoring to 96. Choice cockerels for sale. Eggs from special matings, \$2 for 15; other splendid matings, \$1 for 15, \$5 for 100. Circular free. Write P. R. Pfouts, Bucyrus, Ohio. 3-3

ROSE COMB BROWN LEGHORNS. Hardy, strong birds. Single breeder Leghorns 15 years. Eggs, 15, \$1; 100, \$4. New Albany Poultry Farm, New Albany, Pa. 3-3

"VICTOR STRAIN" ROSE COMB WHITE LEGHORNS. Get my 1905 catalog before ordering; it tells all. Chas. H. Rose, Evanston, Ill. 3-3

"HANSEL'S" Famous Rose Comb Brown Leghorns. Buff Rocks. "Nuggets." Eggs, \$1.50 15. Mrs. E. Day Williams, Mitchell, Iowa. 3-3

LEGHORN SPECIALIST 12 years. White and Brown Single Comb. Eggs, 13, \$1; 26, \$1.50; 50, \$2.50; 100, \$4; 200, \$7; 300, \$9. Geo. Deer, Sylvania, O. 3-3

EGGS. Rose Comb White Leghorns, \$1 per 13. Mrs. Nannie Oates, Vernon, Ill. 3-3

S. C. B. LEGHORNS EXCLUSIVELY. Quality excellent; my customers get great value for their money. Eggs, 75c for 15; \$4 per 100. Fertility high. E. V. Lane, Lacon, Ill. 3-3

SINGLE COMB WHITE LEGHORNS. Bred for eggs with show points not omitted for 27 years. Winners New York, Chicago. Stock and eggs for sale. Eggs, prize-winning pen. \$1.50; farm range, \$1. Rankin Strain Pekin Ducks. Eggs, \$1. Kentucky Bell Poultry Farm, Henderson, Ky. 3-3

EGGS—Rose Comb White and Single Comb Brown Leghorns. Healthy thoroughbred, heavy laying; good points strain; 75c for 15. \$4 for 100. A. G. Anderson, Route 3, Rockford, Ill. 3-3

EGG MACHINES—That is what our S. C. B. Leghorns are. Cockerels, \$1. Eggs, \$1. Wallas Sprang, Plimpton, O. 2-3

LEGHORNS. Buff and Black. Score 92½ to 96. by McClave, Tucker, Rapp. Eggs, \$1.50 per setting. N. J. Fuse, Naperville, Ill. 2-3

ROSE COMB WHITE LEGHORNS—Eggs. 15, \$1.50; incubator eggs, 100, \$4. R. H. Davis, Unionport, Ohio. 3-3

ROSE COMB WHITE LEGHORNS—Pure bred. Prize winners. Satisfaction guaranteed. Eggs from fine matings, \$1 per 15. Mrs. W. C. Glenn, McConnellsville, O. 3-3

BUFF LEGHORNS—Pure Wyckoff and Barnes strain. Eggs from choice matings, \$1.50 per 15. Satisfaction guaranteed. Easterday Bros., Racine, O. 3-3

LAMSON'S ROSE COMB BROWN LEGHORNS—Winners; layers; none better. Circular. Banner Poultry Yards, Cameron, N. Y. 3-3

SINGLE COMB WHITE LEGHORNS. White Rocks, White Wyandottes. Eggs at \$1.50 per 15. Satisfaction guaranteed. Barker Bros., Indianapolis, Ia. 3-3

SINGLE COMB WHITE AND BROWN LEGHORNS—Leading prize winning strains. Eggs, 7c. W. E. Ritter, Williamsport, Pa. 3-4

SINGLE COMB WHITE LEGHORNS exclusively. farm range. Won Macon County Poultry, Pet Stock Association, Decatur, Ill., first, third cockerel; first, second, third, fourth pullet; first, second pen; first pair chicks. Eggs from prize winners, \$2.00 per setting; from balance flock, \$1.00; cockerels for sale; satisfaction guaranteed; correspondence solicited. Wilbur Kiser, Hammond, Ill. 1-6

IF YOU WANT a fine, thorough breed S. C. Brown Leghorn stock and eggs. Witman strain, at reasonable price, guaranteed as represented or money refunded, write to John Seiple, proprietor of Hellam Hillside Poultry Farm, Wrightsville, Pa., R. R. No. 2. 2-3

S. C. BROWN LEGHORNS exclusively. Stock for sale; eggs in season. Dave Glattfeld, Peoria, Ill., Rural 34. 2-3

ROSE COMB WHITE LEGHORNS.—New York and Chicago winners. Circular free. W. W. Wood and Co., Angola, Indiana. 2-3

SINGLE COMB BUFF LEGHORNS. Standard strain. Breeding pen contains solid colored birds. Two pullets scoring 95½ each, cock bird 94½ (bred to lay), eggs \$2 for 13. Clarence C. Woodcock, St. Joe, Sta., Ind. 2-1f

BARGAINS—Single Comb Brown Leghorn Cockerels, \$1 and \$2 each, fine as silk and sure to please you. Harry Robley, Whitehall, Ill. 1-3

S. C. BUFF LEGHORNS. Good birds, \$1.50 to \$3.00. Easterday Bros., Racine, Ohio. 1-4

H. M. MOYER, SPECIALIST.—S. C. Brown Leghorns. Stock and eggs. Circular free. H. M. Moyer, Route 2, Bechtelsville, Pa. 11-04-12

FITZ'S BUFF LEGHORNS—At the great Lynn Show I won 19 ribbons on 13 birds: 1st cock, 2d and 4th hen; 1st and 2d cockerel; 1st, 2d and 3d pullet; 1st pen special for best shaped male and female; special for best colored male and female, and club ribbon for best cock, cockerel and pullet. Eggs, \$2 per 15; \$5 per 45. Josiah Fitz, 4th, Box E, Chester, N. H. 4-3

SINGLE COMB BROWN LEGHORN eggs for hatching, \$1 per 13; \$2 per 30. I. G. Welkos, Whitewater Wis., R. D. 2. 4-1

SINGLE AND ROSE COMB Brown Leghorns, line bred; eggs for sale, \$1 per 15; \$1.50 per 100. Stock for sale. A. T. Davis, Hillsboro, Ky. 4-3

ROSE COMB BROWN LEGHORNS exclusively for 10 years. Eggs for single setting of 15, \$1.25; two or more settings, \$1 each; \$5 per 100; 200 for \$9. T. A. Davenport, Belmont, Iowa, R. F. D. 4. 4-3

S. C. W. LEGHORNS eggs, 15, \$1.50; great layers. Minnie Troy Ridings, Whitehall, Ill. 4-3

SINGLE COMB BROWN LEGHORN eggs. 5c each; from fancy, healthy, heavy laying stock. Jas. R. Hood, R. D. 1, Oakdale, Ill. 4-3

SINGLE COMB WHITE LEGHORNS—Eggs. 15, \$1; Wyckoff strain; vigorous stock. E. C. Henline, Hampton, Ill. 4-3

S. C. BROWN LEGHORN Eggs, 15, \$1; 50, \$2.25; 100, \$4. J. N. Sisson, Valley Crossing, Ohio. 4-3

SINGLE COMB BUFF LEGHORNS—Thoroughbred; have free range of farm. Eggs, 45, \$1.50. J. H. Ward, Route 2, Vinton, Ohio. 4-3

BROWN LEGHORNS—First cockerel, second pen, at the World's Fair at St. Louis, Mo.; eggs, \$2, \$3 and \$5 per 15. Free circular on matings and winnings. E. E. Carter, Knoxville, Tenn. 4-3

BUFF LEGHORN COCKERELS—Beauties. Jos. C. Roesling, Janesville, Wis. 4-1

S. C. WHITE LEGHORNS—The Wm. Penn strain, a line of blood that has produced New York winners. Unexcelled layers. Eggs, \$1.50 per setting. Exmoor Farms, Lebanon, Pa. 4-1f

SINGLE COMB WHITE LEGHORNS Ex-clusively—Vanatta, Waterville. Wyckoff. Eggs, 100, \$5; 15, \$1; chicks, 100, \$10. Mrs. Corlann Brainard, Route 4, Quincy, Mich. 4-1

R. C. B. LEGHORNS—Tucker-McKenzie strain Houdans; \$4 trio; 13 eggs, \$1. Robt. Mears, Petersburg, Mich. 4-3

SINGLE COMB BROWN LEGHORNS—Blue Ribbon strain. Before you buy, send for my 16 years' show record. Eggs, \$1 for 15. C. F. Lang, La Crosse, Wis. 4-3

SINGLE COMB BROWN LEGHORN—Eggs. \$1.50 per 15 and \$7.00 per 100. David B. Hastings, New York Mills, N. Y. 4-3

SEVENTY BUFF LEGHORNS, shown at Schenectady, N. Y., and our birds win 8 regular prizes on 11 entries; also grand special for best display; 25 elegant males and females at cut prices. Eggs until July, \$2.00 per setting. Bred in line 12 years. Address Talbot & Gilson, Edmeston, N. Y. 4-3

EGGS FOR HATCHING—S. C. Brown and S. C. White Leghorns, \$1 per 15; \$5 per 100. Free range on separate farms; 1st prize winners at Missouri State Fair. Mrs. Minnie M. B. Brown, Appleton City, Mo. 4-1

LOOK!—First prize S. C. White Leghorn, Rhode Island Red, Barred Rock eggs, 15, \$1. F. A. Goddard, Defiance, Ohio. 2-3

COCHINS.

PURE RICH LEMON BUFF COCHINS—Best of shape, size and feathering; stock all sold; eggs, \$1.50 for 15. Luther Ulum, Keswick, Iowa. 4-3

COCHINS, WHITE, BLACK, BUFF, PART-RIDGE—Eggs, \$3 and \$5. Circular. D. C. Peoples, Cochlin Specialist, Uhrichsville, O. 4-1

BUFF COCHIN EGGS—\$1 for 13. Chris-Erickson, Jr., Inwood, Iowa. 4-2

SUPERB BUFF COCHIN—All stock sold on approval. Eggs in season. W. N. Watson, Sunbury, Pa. 2-3

HIGH GRADE PARTRIDGE COCHINS from \$1 up; eggs, \$1 to \$2 per 15. E. C. Jolly, Franklin, Ill. 2-3

BUFF COCHINS. Eggs from stock scoring 94 up. Male, 96. Frank Temple, Elsberry, Mo. 3-3

PARTRIDGE COCHINS—Winners anywhere. Cockerels, \$5; pullets, \$2. Eggs, \$2 and \$3. Circular free. Dr. T. J. Lyne, Stockport, Ohio. 3-3

BUFF COCHINS—Stock all sold except for own use. Eggs, \$1 for 15. W. F. Crans, Circleville, N. Y. 3-3

PARTRIDGE COCHIN A SPECIALTY—Stock and eggs produced from my pens are winning silver cups and prizes in lots of states. Some fine birds for sale. Satisfaction guaranteed. Corlies, Butterfield and Stellwagon strain. L. A. Lydick, proprietor, South Bend, Ind., R. R. No. 3. 3-3

WHITE COCHINS exclusively for nine years. First-class stock. Eggs for hatching a specialty. Will J. Gray, 902 Crapo St., Flint, Mich. 4-3

WHITE COCHINS—Eggs for sale from state prize winners, \$2.50 per 13; quality unexcelled. C. J. Jackson, Inwood, Iowa. 3-3

BRAHMAS.

FAMOUS LIGHT (HEAVY WEIGHT) BRAHMAS—Eggs, \$2 per 15. If you want something fine address Chas. Nellis, Washington, Ind. 4-3

LIGHT BRAHMAS—Egg Laying Strain. Careful matings. All stock sold. Eggs, \$2.00 per thirteen; from selected pens, \$5.00. Unfertilized eggs replaced. Satisfaction guaranteed. Albert Fletcher, Jr., Warrenton, Va. 4-3

LIGHT BRAHMAS—Eggs from prize winners \$1.00 per thirteen. H. G. Schoening, Dayton, Ohio. 4-3

DARK BRAHMAS—Hens from first prize birds at Boston, mated with cock 2d as cock, 1st as cockerel at Boston. Four pens the cream of pullet breeders. Light Brahmans, Shaw strain. Partridge Cochins equally good. All bred continuously since 1871. Eggs, \$3. Dr. S. Lott, Billona, N. Y. 4-1

LIGHT BRAHMA eggs from choicest matings, \$1.50 per setting. From flock at large, \$1. Philip Thorwarth, Charter Grove, Ill. 4-3

LIGHT BRAHMAS EXCLUSIVELY—Winners wherever shown. Eggs from 7 grand matings, \$3 for thirteen. Write for mating list. Balch & Brown, Manchester, Conn. 4-3

LIGHT BRAHMAS—Grand cockerels, winners wherever exhibited. Eggs, 15, \$2. East View Poultry Yards, Ballston Spa, N. Y. 3-3

LIGHT BRAHMA cockerels, scored and un-scored. Stock for sale. Eggs, \$2 per 13. M. O'Loughlin, R. 1, Milimine, Ill. 3-3

LIGHT BRAHMAS—Eggs from winners, \$3 for 15; eggs from penned birds; incubator eggs, \$6 per 100. Pen outside flat. E. O. Willoughby, R. R. 3, Blue Mound, Ill. 2-3

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BLACK AND WHITE LANGSHANS—Cele-brated winners Hagerstown, Syracuse, Louisville, Newark, Saratoga, Poughkeepsie, Dayton, Cincinnati show and breeding specimens. Eggs, \$3 and \$2 per setting. Expressage prepaid. George Bealer, Nicholasville, Ky. 4-3

EGGS from properly mated Black Langshans, \$2 per setting. C. H. Scales, Leominster, Carrier No. 2, Mass. 4-3

BLACK LANGSHAN EGGS—Fifteen, \$1.50. Best strains. Minnie Troy Ridings, Whitehall, Ill. 4-3

WHITE LANGSHANS from St. Louis, Chicago winners; score to 96. Eggs, \$1.50 per 15; guarantee nine chicks. Circular free. Ernest Cross, Racine, O. 3-3

BLACK AND WHITE LANGSHANS—Eggs in season, \$1.50 for 15. A few fine black cockerels for sale at reasonable prices. Satisfaction guaranteed. Mrs. A. M. Mathewson, Geneva, Neb. 2-3

WHITE LANGSHANS, Buff Rocks, choice stock; farm raised; eggs, \$1.25 per 15. Bronze turkeys. Lizzie Mumpower, Chillicothe, Mo. 2-3

EGGS of Pure Bred White Langshans. One dollar for 15. Jacob Magruder, Green Spring, Ohio. 2-3

WHITE LANGSHANS—Choice birds, \$2 and \$3 each, from Chicago winners. Satisfaction guaranteed. Ernest Cross, Racine, Ohio. 3-3

BLACK LANGSHANS—Eggs from high scoring stock; \$3 per 15. M. P. Elsberry, Elsberry, Mo. 3-3

HETTICH BLACK LANGSHANS — Yards headed by sons of 1st cock at World's Fair. 15 eggs, \$1.50. C. R. Smith, Burnt Prairie, Ill. 3-3

BLACK LANGSHANS—First cockerel, Chicago, 1905; four firsts at Elgin, scoring 94 to 96 1/4. McClave, judge. E. W. Colton, Elgin, Ill. 3-3

BLACK LANGSHAN EGGS—Pen headed by first cockerel Illinois State Show, 95 1/4; 15, \$3; 30, \$5. Wm. R. Turnbull, Waverly, Ill. 3-3

HILLS' BLACK LANGSHANS—Remember my birds comprise Chicago first prize cockerel and fourth pullet of 1904. Cockerels, \$2 to \$5. Eggs from best matings, \$2 to \$3 per 15. Mrs. J. L. Hills, Box 1086, Franklin, Ill. 3-3

MRS. B. F. SCOTT, Waverly, Kan., White Langshan Specialist, has cockerels and breeding stock for sale. Scored by Judge Emry, Jan. 28, 1905, 93 1/2 to 96 1/4. Eggs, \$2 per 15. 3-3

WHITE LANGSHANS that are white. Eggs from same pen that I bred my winners from. \$1.50 per 15. Jet Morgan, Prairie Depot, Ohio. 3-3

RYAN'S BLACK LANGSHAN—Exclusively farm range eggs for sale, \$2 for 15, from first mating; pen scoring 93 under Judge Lane; others, \$1 for 15. P. F. Ryan, Hammond, Ill. 3-3

MINORCAS.

SINGLE COMB BLACK MINORCAS exclusively. Stock scoring 93 1/2 to 96 by Judge Emry. Eggs, \$1.50 per 15; \$8 per 100. Hens for sale. B. Moenning, Quincy, Ill. 4-3

ROSE COMB BLACK MINORCAS—Bred from Madison Square winners, direct from Campbell. Eggs, \$3 per 15; \$5 per 30. Wm. F. Weinrich, Granite City, Ill. 4-3

S. C. BLACK MINORCAS exclusively, pens headed by 9 and 10 lb. cocks, line bred and standard fowls. Eggs, \$2 per setting. Fertility guaranteed. M. L. Shaffer, 81 W. Pine St., Gloversville, N. Y. 4-3

S. C. WHITE MINORCAS exclusively. C. W. Jerome strain. Eggs at \$1.50 per 15 from pens scoring above 92 points for females, and cock birds scoring 1st, 94 1/2; 2nd, 93. By J. A. Tucker, judge. H. P. Wheeler, Jonesville, Mich. 2-3

SINGLE COMB BLACK MINORCAS exclusively. Fine large birds. Cockerels, \$5; hens, \$3. Eggs, \$2 per setting of 15 eggs. Elm Poultry Yards, Elmhurst, Ill. Telephone, 243. 4-1

WHITE MINORCAS in all their purity. Standard bred, great egg producers. If you want the best get prices on eggs. M. L. Armstrong, Smethport, Pa. 4-3

ROUNDS' IDEAL BLACK MINORCAS.—Twelve splendid matings, \$3, 15; \$5, 30; (free range sitings, \$1.50.) Spring Water Poultry Farm, Owensboro, Ky. 4-3

S. C. BLACK MINORCA EGGS from prize winners. \$1.50 per 13. Mrs. J. C. Wirts, Delavan, Wis. 4-2

SINGLE COMB BLACK MINORCAS EXCLUSIVELY—Eggs, \$1 per 15. E. M. Boose, Silver Run, Md. 4-1

WHITE MINORCAS—At the greatest Chicago Show, ours won 1st, 2nd, 3rd pen, 1st cock, 1st, 2nd, 3rd, 5th cockerel, 1st, 3rd, 4th, 5th pullet, 2nd, 3rd, 4th, 5th hen and 2 silver cups. The Record Trap Nest is positively the best. A. McWilliams, 3456 Michigan Av., Chicago, Ill. 3-1

RICHLAND POULTRY YARD, Waynesville, N. C. Single Comb White Minorcas, exclusively. Young and old stock for sale. Eggs, \$1.50 for 15. 12-5

ASHLAND PARK, Shields' egg strain single comb Black Minorcas, bred for years exclusively. Eggs, \$3 per 13. \$5 per 26. \$18 per 100. T. M. Shields, Ashland, Wis. 2-3

FORD'S SINGLE COMB BLACK MINORCAS—Five entries made 5 winnings. Louisville, December show; farm raised; utility and exhibition stock and eggs. Write me. L. B. Ford, Wades Mill, Ky. 2-3

LARGE BLACK MINORCAS exclusively. Choice young stock and eggs cheap considering quality. Write Wm. Franklin, Harvey, Ill. 2-3

SINGLE COMB BLACK MINORCAS—Northrup strain. Eggs, \$2 per setting; 2 settings, \$3.50. A good hatch guaranteed. I also breed Barred Rocks, Bradley Bros.' strain. B. W. Porter, La Grange, Ill. 3-3

SINGLE COMB BLACK MINORCAS EXCLUSIVELY—Birds win again. Eggs, \$2.50 per 13. \$5 per 30. Circular free. Geo. L. Alban, Adrian, Mich. 3-3

S. C. BLACK MINORCAS EXCLUSIVELY—Large, vigorous stock, properly mated. Eggs, 15 \$2. Hermau Drees, Warsaw, Ky. 3-3

ROSE COMB BLACK MINORCAS EXCLUSIVELY—Northrup-Sutton strain. America's very best. Exhibition and breeding birds a specialty. Satisfaction guaranteed. Eggs for sale. Chas. P. Stevenson, Kilbuck, Ohio. 3-3

SINGLE COMB BLACK MINORCAS EXCLUSIVELY (Northrup strain)—15 eggs, \$1. B. C. Deyo, New Paltz, N. Y. 3-3

ROSE COMB WHITE MINORCAS are a new breed with a great future. Eggs, \$2.50 setting. Circular free. Lewis Hudson, Ellisburg, N. Y. 3-3

BLACK MINORCAS—Northrup strain. Eggs, \$1.50 per 15; \$5 per 100. J. J. Waters, Box H, Sidney, N. Y. 3-3

BEST SINGLE COMB BLACK MINORCA eggs, \$1.25 per setting. Rev. Lewis Richey, Georgetown, Ohio. 3-3

W. W. BROWN breeder of prize winning S. C. B. Minorcas, Northrup strain. Eggs, \$1.50 and \$2 per 15. Springfield, Tenn. 3-3

MY ROSE COMB BLACK MINORCAS won 1st, 4th, 5th pullets, 3d cock, at Chicago Dec. Show. Cockerels for sale. Eggs, \$1.50 per setting. Wm. J. Menke, 713 N. 13th St., Quincy, Ill. 3-3

SINGLE AND ROSE COMB MINORCAS. Winners at Chicago, Detroit, Lansing, Pontiac, Durand, Dearborn. Cockerels \$2 up. Eggs in season. Baumann, 169 Field Ave., Detroit, Mich. 2-3

ROSE COMB BLACK MINORCAS—Prize winners at Chicago, Madison Square Garden, Rochester and other large shows. Greatest winter layers in existence. Trap-nest records. S. T. Campbell, Mansfield, Ohio. 2-3

SINGLE AND ROSE COMB Black Minorcas. Northrup-Campbell strain. Winning cockerels for sale. Orders booked for eggs. J. F. Kellogg, Jacksonville, Ill. 2-3

ORPINGTONS.

WHITE ORPINGTONS—On 12 entries at Lockport, Rochester and Auburn I won 6 firsts and 8 seconds; can sell you a fine trio for \$10; you can raise 50 to 80 chicks; it is cheaper than buying eggs. Eggs from my best pens, \$2. M. Gooding, Brockport, N. Y. 4-2

BUFF ORPINGTONS—For sale, a grand pen, eight choice females, headed by cock, cost \$25, or cockerel from Cook. A bargain if taken at once. R. C. Green, Albion, Dane Co., Wis. 4-1

ORPINGTONS, BUFF, BLACK, WHITE—Why not have the very best obtainable? First cost may be a little more, but you get the stock and blood from the grandest winning strain in America, and from the largest Orpington breeder. Send for forty page illustrated Orpington catalogue, also Mating List describing thirty-two breeding yards and prices of eggs. The blood from the largest winners at New York the past three years are in these yards. Box 56, Willow Brook Farm, Berlin, Conn. 3-3

BUFF ORPINGTON EGGS—From excellent birds. \$1.50 setting, 15 eggs. L. B. Moore, Morgan Park, Ill. 4-1

WHITE ORPINGTONS—Imported direct from Wm. Cook in 1903. Pure white, large size, correct Orpington type and prolific layers. Eggs, \$2.50 per 15; \$4.50 per 30. O. Keller, Winamac, Ind. 4-3

MOHICAN POULTRY PLANT—Single Comb Buff Orpington eggs. Write for prices and description of mating. E. B. Lybarger, 32 Mack Ave., Shelby, Ohio. 3-3

S. C. BUFF ORPINGTONS—3 pens; Buff Wyandottes, 2 pens, 15 eggs, \$2. S. C. R. I. Reds, 3 pens, 15 eggs, \$1.50. Three best flocks owned by any one man in state. "Phillips" Sunny Side Hill Poultry Yards, Amsterdam, N. Y. 3-05-1yr

WHITE ORPINGTONS—Single Comb, winners of all firsts at Ohio State Poultry Association and Dayton Fanciers' Show, defeating the Cincinnati winners; eggs, \$5 setting. I. T. Bryant, Oxford, Ohio. 3-3

SINGLE COMB BUFF ORPINGTONS—The famous Whittier strain; eggs from this pen a matter of correspondence. C. P. Wilson, Waverly, Ill. 3-3

SINGLE COMB BUFF ORPINGTONS—From prize winning strain. Stock all sold. Eggs—Eggs—Eggs. T. J. Pifer, Palestine, Ill. 2-3

SINGLE COMB BUFF ORPINGTONS—Williams strain; America's best. Stock and eggs for sale. Terrace Place Poultry Yards, Frank Welden, Greenwich, N. Y. 2-3

BUFF ORPINGTONS, and S. C. White Leghorns, bred from prize winning stock. Excellent layers and good hatch guaranteed. Fifteen eggs either variety, \$2. H. S. Glenn, Hamilton, Pa. 2-3

BUFF ORPINGTONS—Winners at Fostoria; incubator eggs now; choice stock for sale. A. A. Bair, Melrose, O. 2-3

SINGLE COMB BUFF ORPINGTONS—Nothing but high grade stock. Stock and eggs for sale. L. W. Crank, Elsherry, Mo. 2-3

MY SINGLE COMB BUFF ORPINGTONS won four firsts at the Hoosier State Poultry Show in strong competition. My stock is bred for utility as well as fancy. Eggs this season, \$1.50 per 15. George Dahlenburg, Seymour, Ind. 2-3

S. C. BUFF ORPINGTON EGGS, 15, \$3. Stock from imported and prize winners. Walter Tallen, Route No. 1, South Haven, Mich. 2-3

SINGLE COMB WHITE AND BUFF ORPINGTONS—The world's greatest layers. Strong, vigorous birds. Satisfaction guaranteed. Write for prices. Isaac N. Overpeck, Rockville, Ind. 2-3

S. C. BUFF ORPINGTONS. Eggs from pen No. 1 headed by large imported cockerel, \$4 for 15. Other pens \$3 for 15. Fred E. Wright, Box A, Monmouth, Ill. 2-3

ROSE COMB BUFF ORPINGTONS, Bailey and Beatty direct. Eggs from choice matings, \$2 for 15. W. B. Ganiard, Delta, Ohio. 2-3

BUFFS EXCLUSIVELY; CANADA'S BEST—Champion cock 1905. 3 pens mated, \$3 and \$5, catalogue. P. E. Aird, Montreal. 2-3

WHITE ORPINGTONS—World's Fair winners, scoring up to 95 1/2; all stock sold; a limited number of eggs at \$3 per 13. Mrs. Minnie Hanseu, Warsaw, Ky. 2-3

BUFF ORPINGTONS—Single comb. Twelve first prizes this season at Detroit and other Michigan shows. Stock for sale. Eggs, 15 \$3; 30, \$5. C. C. Goodes, Flint, Mich. 2-3

BUFF ORPINGTONS, White Wyandottes, Barred Rocks, R. C. White Leghorns, S. C. Brown Leghorns. Strictly pure bred and winners. Write to me what you want. LaGrange Poultry Farm, LaGrange, Ohio. I. A. Freeman. 1-5

SINGLE COMB BUFF ORPINGTON EGGS that will hatch chicks equal to the best. Several pens mated that are headed by absolutely solid Buff males, with true Orpington shape, full deep bodies, short legs and rich undercolor. They are mated to females that will bring grand results. Eggs, \$3 per 15. Express prepaid. Catalogue giving my winnings, photo of birds, etc., free. Will H. Schadt, Secretary of National Single Comb Buff Orpington Club, Goshen, Ind. 3-3

S. C. BLACK AND BUFF ORPINGTONS—Winners at Chicago, Cincinnati, Louisville and Warsaw. Stock for sale. Buff eggs, \$3; Blacks, \$5. O. A. Bogardus, Box B, Warsaw, Ky. 2-3

ROSE COMB BUFF ORPINGTONS, Rose Comb White Minorcas, Buff Rocks. Get my circular and prices of eggs. B. Wenk, Washington, Ill. 3-3

SINGLE, ROSE COMB BUFF, Single Comb White Orpingtons. Eggs, \$1.50 per 13. Half price after April. J. W. Eastes, Box D, Galesburg, Ill. 3-3

BUFF ORPINGTONS—Eggs, 10c each from Cook strain. Prize cockerel. A. E. Thomas, Route 12, Galveston, Ind. 3-3

S. C. BLACK AND BUFF ORPINGTON eggs for hatching, direct from my prize winners. C. A. Watling, 36 E. Bayard St., Seneca Falls, N. Y. 3-4

WHITE ORPINGTONS—Fine stock for sale. Eggs, \$2 per 15. Write me, Fred Pilkinton, Portland, Mich. 3-3

ORPINGTONS—Single Comb, Buff, Black, White. The quality that wins; 32 first and other premiums at Cincinnati and Ohio State Shows, 1905. Eggs, \$3; from yards containing imported birds. H. A. DeMand, Oxford, Ohio. 3-3

BUFF ORPINGTONS—S. Comb. My Buffs are Orpingtons in shape, size and color. Stock and eggs for sale. From prize winners. A. C. Hurrell, F. D. 3. Richmond, Ind. 3-3

SINGLE COMB BUFF ORPINGTONS—Prize-winning stock. Eggs for sale. L. A. Anderson, Batavia, Ill. 3-3

BREEDER of high class Buff and White Orpingtons; grand in size and shape and color. Eggs from select matings. \$2 per setting. H. M. Keeny, Red Lion, Pa. 3-3

WHITE ORPINGTON HOME—America's largest specialty. S. C. White Orpington farm. Eggs, per 15, \$3; 30, \$5. Illustrated and descriptive circular free. Earl L. Cook, Munnsville, N. Y. 3-3

ROSE COMB BUFF ORPINGTONS—First prize pen at Madison Square Garden, 1905. Cock was first cockerel, 1904. His sire was imported from Cook after he won 5 first in England. Pullets hatched from eggs bought of Cook & Sons. \$4 setting. Write for circular. J. W. Andrews, Dover, N. J. 3-3

BUFF AND WHITE ORPINGTONS—Winners at Herald Square; 5 firsts and 3 specials at Auburn. Eggs, \$3 to \$5. Irving Crocker, Seneca Falls, N. Y. 3-3

RHODE ISLAND REDS.

ROSE COMB RHODE ISLAND REDS—Good thoroughbred stock. Choice eggs, \$1.50 per 15. Extra special rates by the 100. Edison Collie and Poultry Farm, Edison, Ill. 4-3

ROSE COMB RHODE ISLAND REDS—Five years a breeder. Eggs, \$2 per 15. A. Underhill, Norwalk, Ohio. 4-1

SINGLE COMB REDS—Eggs, \$1, 15. Clayton Boyce, Ulster, Pa. 4-1

DON'T GUESS—Get genuine Rhode Island Reds—a mortgage-lifting certainty. Eggs, \$2 for 13, \$5 for 40. Finely illustrated circular. Drisko Farm, Addison, Me. 4-3

CLARK FARM, Concord, Mass.—High scoring, utility bred stock at low prices; also eggs for hatching and young chickens. Write for circular. 3-3

EGGS from four standard bred Rose Comb Rhode Island Reds, Buff Plymouth Rocks, Golden and White Wyandottes. Eggs in season, \$1.25 for 13, \$2.00, 26. Aug. Klammer, Chaska, Minn. 3-3

19 FIRST PRIZES at Chicago and Detroit proves our Rose Comb Reds unsurpassed. Eggs, \$2 per 15. Taylor & Woodruff, 2333 Stone St., Port Huron, Mich. 3-3

15 EGGS \$2—From Reds winning at Detroit, Toledo, Ft. Wayne. Free circular. Dr. Geo. Benton, Cambria, Mich. 3-3

SINGLE COMB Rhode Island Red cockerels from best stock obtainable, \$2 up. Satisfaction guaranteed. F. M. Malone, Cayuga, Ind. 12-3

RHODE ISLAND RED Rose and Single Comb Partridge Wyandottes. Special mated eggs, \$1.25 per 15. Circular. Standard Club members. Incubator eggs. Before placing order, write us. Rhode Island Red Poultry Farm Co., Malden, Mass. Mention A. P. J. 1-8

RHODE ISLAND REDS—Eggs, per setting, \$2. Address Alfred Lord, 52 Greenwald St., Blue Island, Ill. 3-3

SINGLE COMB RHODE ISLAND REDS—First class stock, heavy winter layers. Eggs and young stock for sale. Arch Campbell, Washington St., Leavenworth, Kans. 2-3

CHOICE ROSE COMB R. I. RED Cockerels, \$2 each. Eggs, \$1.50 per 15. Single Comb Brown Leghorn eggs \$1 per 15. E. B. Davis, Perry, Mich. 2-3

CONN'S AMERICAN BEAUTY STRAIN ROSE COMB REDS—First prize winners at Detroit, Toledo and Chicago, 1905. Send for circular. L. L. Conn, Durand, Mich. 3-3

"AYER'S" RHODE ISLAND REDS. Eggs from high scoring birds. Book your orders now. A. H. Ayer, Painesville, O. 3-3

REDS—Unsurpassed early layers. For seven years winners in New England's biggest shows. Eggs, \$1.25 setting; three settings, \$3. W. P. Weston, Hancock, N. H. 3-3

HANSEN'S RHODE ISLAND REDS—The world's champion prize winners and egg producers. Won more cash prizes and more special prizes at the World's Fair than any others exhibited. At Madison Square Garden, N. Y., January, 1905, won 1st cock, 1st hen, 1st cockerel, 1st pullet and three specials for color and shape on 4 entries. Eggs, \$3 and \$5 per 15 eggs. C. M. Hansen, Warsaw, Ky. 3-3

ROSE COMB R. I. REDS—Tuttle strain, eggs \$1.50 per 15. D. F. Valentine, Ft. Wayne, Ind. 3-3

R. I. REDS, BUFF ROCKS AND WHITE WYANDOTTES—Eggs, \$1 per 15. Meadow Brook Poultry Farm, Perkaskie, Pa. 3-3

64 REGULAR AND 10 SPECIAL PRIZES on 70 entries at National Shows. Utility bred, too. Get our circular before buying elsewhere. Satisfaction guaranteed. Scheibel & Fox, Box H, Hollisterville, Pa. 3-3

WE HAVE WON more first prizes in strong competition than any other breeder of Reds. Send for circular of winnings. Stafford Bros., Fall River, Mass. 3-4

RHODE ISLAND REDS won 1st pullet and 3rd cockerel on Single Comb, 1st pullet and 3rd cockerel on Rose Comb at Niles, Ill., show, 1905. Eggs for sale from winners, \$1.50, setting; incubator eggs, \$6 hundred. Gilbertson, Norwood Park, Ill. 2-3

ROSE COMB REDS—Won twenty-one ribbons and ten special premiums at four Michigan shows with hottest competition. Eggs for sale. Carl T. Holmes, Durand, Mich. 2-3

RADDIN'S SINGLE COMB RHODE ISLAND REDS win and give satisfaction from Maine to California. Catalogue with half-tones from life free. Eggs, 15, \$1; exhibition matings, 15, \$2; 45, \$5. J. Arthur Raddin, Cliftondale, Mass. 3-3

BUCKEYE REDS.

BUCKEYE REDS—Pea Comb Buckeyes are the largest, darkest Reds. Best layers. Booklet free. Red Feather Farm, Warren, Ohio. 3-5

RED CAPS.

EGGS—From English Red Caps; also from Wild Black Ducks and Pekins. T. M. Stevens, Pennellville, N. Y. 4-3

ENGLISH RED CAPS. Fishel's White Rocks, few cockerels for sale. Booking orders for eggs, 15 eggs, \$1.00. Clarence W. Waltman, Laddsburg, Pa. 1-4

AMERICAN REDS.

AMERICAN REDS—At the Minneapolis meeting of the American Poultry Association the breed heretofore known as R. C. R. I. Reds was admitted to the Standard under the name American Reds, which is now the official name for the breed.

Application for admission to the American Red Club should be made by those who do not breed S. C. R. I. Reds to F. D. Baerman, Secretary, Dunellen, N. J. 3-2

ROYAL RUBY STRAIN AMERICAN REDS—Send for circular of winnings, matings and stock. Go. Bachman, Tannersville, N. Y. 2-4

SPANISH.

WHITE FACED BLACK SPANISH—Eggs from selected stock, 15 for \$1. Adeline Harnaden, Water Valley, Ark. 4-3

SPANISH—45 years. Eggs, \$1.50 per 13. Circular free. John Bennett, Sunman, Ind. 4-1

WHITE FACE BLACK SPANISH—Best layers on earth; young stock for sale; eggs, \$1.50 per 15. J. T. Adams, Richmond, Mich. 3-3

HAMBURGS.

SILVER SPANGLED HAMBURGS AND BUFF WYANDOTTES—First hen, pullet and cockerel, Chicago; four first, Dubuque; sweepstakes \$15. Elgin. Stock sale. Eggs, \$2. Alexander Thoms, Elgin, Ill. 3-3

SILVER SPANGLED HAMBURG eggs from large egg strains, \$2 per 15. J. E. Armstrong, 1063S Prospect Ave., Chicago. 3-3

GOLDEN SPANGLED HAMBURG eggs for sale in season at \$2 per doz. Send stamp for reply. D. J. Evans, Venedocia, O. 3-3

SILVER SPANGLED HAMBURGS—Eggs from five grand pens. Write for mating sheet. Earle Wilson, Salem, N. Y. 3-3

SILVER SPANGLED HAMBURGS—Superfine, everlasting layers. Eggs, 15, \$2; 30, \$3. No stock. Will L. Clark, Sullivan, Ohio. 4-3

SILVER SPANGLED HAMBURGS—Won at every show season 1904. Eggs per sitting, \$2. Ed. Evans, Nelsonville, O. 4-3

HAMBURGS, SILVER AND BLACK—Sometimes called the egg laying machines. Eggs from yards headed by New York winners, \$1.50 per sitting. Exmoor Farms, Lebanon, Pa. 4-tf

HOUDANS.

HOUDANS—Winners at big shows, strongest competition. Exceptionally fine pen, scores 92% to 95. L. C. Knorr, Detroit, Mich. 3-2

HOUDANS—Choice stock for sale. Eggs, \$1.00 per 15. Write. Fred Pilkinton, Portland, Mich. 3-3

HOUDAN & S. C. W. LEGHORN EGGS—\$1 and \$1.50 per 15. Bred to win and lay, and do it. Oscar E. Henning, Wahoo, Neb. 4-3

ANDALUSIANS.

ANDALUSIANS—Peerless Blue strain, won 74 premiums at leading shows, including World's Fair and Madison Square. Eggs for hatching. Circular. R. H. Quackenbush, Baldwinville, N. Y. 2-3

BLUE ANDALUSIANS, strong, healthy stock. Cockerels for sale. Eggs by the dozen or hundred. Five first premiums at the Tiffin, O., show, Jan. 1905. Write me before buying elsewhere. L. C. Taylor, Gibsonburg, Ohio. 2-3

BLUE ANDALUSIANS EXCLUSIVELY—Bred since 1899 with the most scrupulous regard for health and vigor, as well as for standard requirements. Always winners in the hottest competition. The unparalleled record of Morse's Lonesomehurst Strain is set forth in a circular with 15 half-tones taken from life, which may be had for 2 cents to pay postage. Edward L. C. Morse, S200 Cornell Ave., Chicago, Ill. 3-tf

BLUE ANDALUSIANS—America's best. Circular free if you mention this paper. Ray Poultry Yards, Franklin Park, Ill. 3-3

HIGH CLASS BLUE ANDALUSIANS—Choice stock for sale. Eggs, best pen, \$3 per 15; other pens, \$2 per 15. Circular. E. A. Parks, 160 Brighton Ave., Syracuse, N. Y. 3-3

ANCONAS.

ANCONAS—Excellent layers, winners at World's Fair, New York and Chicago. Circular. Henry Scheyer, Lake View, N. Y. 3-3

MOTTLED ANCONAS—The great layers. Eggs from choice breeding stock with unlimited range, \$1 per 15; \$5.00 per 100. Mrs. Adaline R. Gosler, Matfield Green, Kau. 3-3

MOTTLED ANCONAS, winners at Detroit State Show. Best winter layers. Stock and eggs for sale, C. H. Zalewski, Downingtown, Mich. 2-3

ANCONAS—Red Caps, first prizes everywhere; 15 eggs \$2. Other varieties, 20 eggs \$1. Cir. C. A. Knight, Olenia, Ohio. 2-3

BEAUTIFUL ANCONAS, grand in standard and utility qualities. Splendid layers, winter and summer. Best winter layers, big white eggs. Catalogue free. O. S. Evans, Roxbury, Ohio. 2-3

KLONDIKES.

FINE STOCK EGGS FOR SALE—Catalogue free. Klondike Poultry Yards, Maple Park, Ill. 4-3

FAVEROLLES.

SALMON FAVEROLLES—The perfect utility fowl. Sure to become very popular when better known. Imported stock. Circular free. "Wiseacres," Croton-on-Hudson, N. Y. 4-1

SUMATRAS.

H. E. STAUFFER, Apple Creek, O., breeder of Sumatras twelve years. My matings are of highest quality. Eggs, \$2 per 15. 4-1

GAMES.

PIT GAMES—See ad. page 263. V. C. Haskell, Zanesville, O. 3-tf

HEAVY WEIGHT Black, Red and Silver Duckwings; pit; games; eggs, \$1.50 per 13. Stamp for circular. Clark Price, Rochester, Mich. 2-3

EXHIBITION Black Breasted Red Games of finest type and best blood in America. Choice stock for sale. Eggs \$3 for 15. H. T. Hermau, Carlisle, Pa. 2-3

RED PYLE AND BLACK BREASTED RED—Show winners. Eggs, \$2. Circular free. Frank West, Darlington, Wis. 4-3

ONE HUNDRED PERCENT better than ever. Eggs \$1 per 13. Heathwoods, Irish Blk. Reds, Toruadoes, Irish Grays, Cornish Indians, \$2. White Indians, \$3. Circular free; fowls all times. C. D. Smith, Fort Plain, N. Y. 2-5

INDIAN GAMES.

CORNISH AND WHITE INDIANS—Boston, New York, Chicago and World's Fair winners. Stock for sale. Eggs, \$5 per setting. W. S. Templeton, Box A, Dakota, Ill. 3-3

VICTOR CORNISH INDIANS—World's Fair, Chicago, Milwaukee, Grand Rapids, Oshkosh, Winners. Eggs, 15, \$3; 30, \$5. H. A. Huey, Casnovia, Mich. 3-3

CORNISH INDIAN GAMES—We have bought the entire stock of Bicknell and Whiting eggs from special matings of these celebrated birds, headed by males that have never been defeated in a show. \$3 per sitting. Exmoor Farms, Lebanon, Pa. 4-tf

CORNISH INDIAN GAMES—Best strain; 15 eggs, \$1.50. Write for prices on stock. Ralph Yackel, Junius, N. Y. 3-3

CORNISH INDIANS—Eggs from five pens of choice matings. \$2. Wm. Yeager, Napoleon, Ohio. 4-1

CORNISH INDIAN GAMES—Bred to weigh and lay. No stock. Eggs, \$1.50 and \$3 per 15. Write your wants. Ralph Reider, Middleton, Pa. 4-3

BANTAMS.

WON MORE FIRST prize Pan-American on Golden and Silver Sebrights than all my competitors combined. Buff, Black and Partridge Cochins bred to win. Eggs, \$3. Clyde Proper, Schoharie, N. Y. 4-6

GAME BANTAMS—See ad, page 263. V. C. Haskell, Zanesville, O. 3-1f

BLACK COCHIN BANTAMS—Madison and Herald Sq. winners. Eggs, \$3 per 13. Dr. Litzenger, Orfield, Pa. 3-3

COCHIN BANTAMS, Buff and Black. Score 93 to 96, by McClave, Tucker, Rapp. Eggs, \$1.50 per setting. N. J. Fuse, Naperville, Ill. 2-3

BLACK COCHIN BANTAMS—At the great Chicago show, January, 1905, second cock, first and fourth hen, first, second and third pullets, first pen, two specials. Choice birds for sale. Eggs in season, \$3 per setting. F. A. Prager, Norwood Park, Chicago, Ill. 2-3

WHITE COCHIN BANTAMS—Eggs from prize winners at \$1 per sitting. Jos. H. Gochbauer, Jr., Landisville, Pa. 4-3

PHEASANTS.

PHEASANTS—100 Golden Pheasants, \$8.50 per pair. Other varieties cheap. Eggs in season, 40 Peafowl, \$11 pair, 1,000 Homers, 95 cents pair. Ferd Sudow, Hyde Park, N. Y. 1-6

DORKINGS.

I HAVE FEW choice Silver Gray Dorking cockerels for sale; imported stock and prize winners. Eggs, 13 for \$2. J. Brough Jones, Venedocia, Ohio. 3-3

SEVERAL BREEDS.

POULTRY BOOK ON APPROVAL—Our new 128-page poultry book sent on 10 days' approval. Send 4c in stamps to pay postage. If the book is not what you want you can return it. Send today. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

WHITE ROCKS AND PEKIN DUCKS EXCLUSIVELY—Fishel and Shaw's strain. Eggs, \$2 per setting. Mrs. Frank Bercaw, Paris, Ill. Route 5. 4-3

EGGS—Guaranteed fertile, Single White Leghorns. Best pens. \$2 per 15; 100, \$5; White Wyandottes, \$2 per setting. Annie Stewart, Cantril, Iowa. 4-3

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from prize winning White P. Rocks, Pekin Ducks, S. S. Bantams and White Guineas. I also have Peafowls for sale. I have mated two yards of White Rocks this year. My second prize cockerel at Louisville, 1905, is at the head of one, and first prize cock the other. Write for prices. Satisfaction guaranteed

T. R. McDONALD R. R. 1, Winchester, Ky.

WILSON'S
New Green Bone, Shell
and Vegetable Cutter
for the Poultryman.
Also Bone Mills for making phosphate and fertilizer at small cost for the farmer, from 1 to 40 horse power. Farm Feed Mills grind fine, fast and easy. Send for circulars.
WILSON BROS., Sole Mfrs., Easton, Pa.

My Royal Buff Orpingtons

are now installed in their new home on Spring Hill Poultry Farm, where I will devote my best efforts to add to the laurels already won. Matings for 1905 consist of Madison Square winners. Also fine imported stock and other good ones. Remember I ship on approval and absolutely guarantee satisfaction. EGGS \$5.00 per fifteen.

CHAS. BENINGTON - - - **Edmeston, Otsego Co., N. Y.**
WE CAN FURNISH CHOICE BREEDERS IN

White and Barred Rocks

Partridge and White Wyandottes, Mammoth White Holland Turkeys and Imperial Pekin Ducks. Our birds are winners at Chicago, Cleveland, Indianapolis and Illinois State Shows. We have three yearling and two young toms at \$5 each. No females. Eggs \$2.50 per 15, \$5 per 40. Turkey eggs \$5 per 12. Write your wants. We guarantee satisfaction or return money.

STRYKER BROS. - - - **Box 204, Plainfield, Ill.**

MRS. HILL'S WHITE LANGSHANS

won more premiums at World's Fair, St. Louis, Mo., than all the other White Langshans breeders combined. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight. Have three choice cock birds for sale and a few fine cockerels that I will give you a bargain in if ordered at once.

Mrs. J. S. HILL - - - **Purdin, Missouri**

DAVIS' GOLDEN WYANDOTTES WIN

In what is acknowledged to be the strongest class of Golden Wyandottes ever assembled in a show room, January 23-28, 1905, eight of the Best Golden Wyandotte breeders of the country, from east, west and center, exhibited at Chicago. Our winnings in such company, T. E. Orr as judge, were 1st hen, 1st pullet, 1st pen, 2nd ck. 3rd pullet, 4th ck. and two of the three cups given by the National Golden Wyandotte Club. Our matings this year are as fine as ever and we will spare a few eggs at \$3.00 per 15, \$5.00 per 26, same pens we use ourselves. Choice stock for sale at reasonable prices. Box 20.

A. W. DAVIS, - - - **Box 20, Big Rock, Illinois**

\$300

If you are looking for a brooder that is a success from the start, that will enable you to have enough of them to properly care for your chicks, and will not cramp your purse, that is easy to clean, and one that applies the heat direct to the backs of the chicks. Send for free catalogue to the

PERFECT BROODER SHOP - - - **CELORON, NEW YORK**

PARTRIDGE COCHINS

The Noted New York Madison Square Garden Winners

Awards:—January, 1905, cocks, 1st and 2d; hens, 1st and 2d; cockerels, 1st and 2d. Will spare a limited number of fine birds. Circular free.

GEO. W. MITCHELL - - - **Bristol, Conn.**

BENNETT'S BARRED ROCKS

In individual merit and in breeding are the equal of any on the market and

WON AT CHICAGO, JANUARY, 1905—

1st pullet, 2d hen, 2d cock, 3d cockerel, and 2d pen. I have 15 cockerels scoring from 91 to 93, for sale at from \$8 to \$25. EGGS \$5 per setting.

Dr. O. P. BENNETT - - - **Box 328, Mazon, Grundy Co., Ill.**

GULBERT'S BARRED ROCKS

are better than ever. Made a clean sweep of the Pontiac Show, Dec. 27th to the 31st, 1904, winning 22 regular and all specials and silver cup for best display in Rock class—Barred, White and Buff competing. Send for circular. Sent free. Orders booked now for eggs. **Barred Rock Specialist.**

JOHN GULBERT, - - - **BRACEVILLE, ILLINOIS**

BUFF WYANDOTTES

BUFF PLYMOUTH ROCKS AND INDIAN RUNNER DUCKS

If we should look you right in the eye and tell you that we could give you better value than you could get elsewhere, you would wonder. If we should say that we could prove it, you would become interested, would you not? Well, that is just what we can do. Send for Egg Circular, it contains the proof.

EMMETT POULTRY FARM - - - **W. R. WOODEN, Prop., Battle Creek, Mich.**

ILLUSTRATED Breeder's Cards.

RATES FOR ILLUSTRATED BREEDER'S CARDS: Forty-word card, with small sized illustration (to be furnished by us), \$1.50 per month for less than one year, \$15 for one year, payable quarterly in advance. Words in excess of forty, five cents extra per word per month. Numbers and initials count as words. Copy of advertisements, **PLAINLY WRITTEN**, should reach this office by the fifteenth of the month preceding date of issue.

40,000 PER MONTH—40,000 AVERAGE MONTHLY CIRCULATION. We guarantee an average monthly circulation of 40,000 copies of AMERICAN POULTRY JOURNAL.

CAREY'S CORNISH INDIAN GAMES are winners, scoring 90 to 93½ by Judge Shaner, winning all specials at late County Show, Palestine, Ill. Choice cockerels for sale and eggs in season. Also Emhden Geese, fine. Also White Rabbits with pink eyes. **GEN. CAREY,** Robinson, Ill.

BIG BRANCH POULTRY FARM, JOS. M. EATON, Prop., Cyathiana, Ind. I am prepared to furnish you with stock and eggs of the following varieties: Black and White Langshans, W. Cochins, W. Wyandottes and White Rocks. Write me your wants. **5-04-1yr**

H. D. STEARNS, OLMSTEAD FAIR O., breeder of all the latest styles Pl. and Standard Games, Game Bantams, Ferrets. Send six cents for circulars with the rules for healing, handling feeding for the Pit with diseases and their cure of Games. **1-05-1yr**

GAME FOWLS. THE WORLD'S BEST. Send ten cents for elegant illustrated and descriptive game fowl calendar for 1905.

MRS. CORA GRAHAM Cameron, N. C. **7-04-1 yr**

BUFF PLYMOUTH ROCKS. PRIZE winning stock. Eggs, \$1 per setting. Also Mammoth Pekin Ducks; eggs, \$1.50 per setting. Stock for sale. Write me before ordering elsewhere. **A. P. GROHENS,** Marshall, Mich.

WYANDOTTE POULTRY FARM, W. A. Hildebrand, Prop., Spry, Pa. I have nothing but Wyandottes, but a fine lot of eight different kind of good breeders and fine show birds. Stock and eggs for sale in season. Write for circulars. **1-05-1-yr**

SINGLE COMB WHITE LEGHORN'S exclusively (Knapp and Wyckoff strains), winners of first prizes and \$25 cup, scoring 92 to 95½ points by Russell. Eggs, 13.18; 100, \$4. Incubator chicks, 100, \$15. **W. H. MCCORMICK,** Route C 64, Ransom, Ill.

WHITE WYANDOTTES AND Barred Rocks. Won at Chicago, Minneapolis, Downers Grove and Naperville, season 1904-'05. Eggs from these winners and heavy layers, \$2.00 per sitting. Bound to please. Breeder for 12 years. **GEO. M. KLINE,** Downers Grove, Ill.

WOODBERRY FRUIT AND POULTRY Farm, Park Ave., Des Moines, Iowa, G. A. AVRILL Prop. Breeder of Partridge Wyandottes and Rhode Island Reds. Great winter layers. Fine strains from noted breeders. Write for catalogue. **12-04-5**

BLACK PLYMOUTH ROCKS NINE YEARS OF SCIENTIFIC matings have produced a new variety, jet black, true Plymouth Rock shape. Exhibited for first time at Peoria, Ill., Jan., '05. This new variety is sure to be popular. **J. W. CREIGHTON,** Pontiac, Ill.

2000 LAND AND WATER FOWLS For sale. Also Shetland Ponies and Poland-China hogs. Send for finest catalogue ever sent out. 90 pages. Treats on all diseases of poultry and how to cure them. How to mate and grow winners. Price 15 cents. **GEO. A. HEYL,** Washington, Ill.

Revised Copyright Book of **INDIAN MOUND GINSENG CULTURE...** And Golden Seal, with illustrations of the arbor, garden, roots and plants; also directions how to start from the seed, grow and care for the plants and seeds. This book is worth dollars to beginners and growers of Ginseng and costs only 15 cents, postpaid. **ARTHUR J. BOWEN,** Cayuga Co., Moravia, N. Y.



MORTIMER EGG FARM WHITE Wyandottes won at Elmira, Rochester, Great Hemlock Fair and Corfu, fourteen regular prizes on fourteen entries. Eggs from this greatest winter laying strain, \$1.50 per 15. Catalogue and full information. **E. MILTON HALPIN,** 2-05-1yr Mortimer, N. Y.



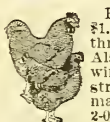
WINNING WYANDOTTES. MY Partridge Wyandottes win at America's greatest exhibitions and breed winners. First class birds now for sale. Eggs in season. Send for new circular, giving prices and list of prizes won. **A. P. GROVES,** Chestnut Hill, Philadelphia, Pa. **12-04-1 yr**



S. C. B. LEGHORNS. R. C. B. LEG- horns, S. C. W. Leghorns, White Wyandottes, all scored 92 to 95 at Elgin poultry show; all prize winners; Chas. McClave judge. Eggs from these prize winners \$2 per 15. Order early. **HENRY HEIDEMANN,** 808 Center St., Elgin, Ill.



MAMMOTH BRONZE TURKEYS, silver cup prize winners. Won silver cup, five 1sts, five 2ds, two 3ds, six specials and 11 cash prizes on 10 turkeys at Charleston Poultry Show. Stock for sale not related. Both turkey and B. P. Rock eggs for sale. **MRS. EMMA A. SELOCK,** R. 1, Bruce, Ill.



BARRED PLYMOUTH ROCK EGGS \$1.50 for 15. Winners at Greenfield, Iowa, three years in succession. Ringlet strain. Also a limited number of eggs from prize winning Buff Wyandottes, Ackley & Page strain. Send for circular of winnings and matings. **GUY J. POTE,** Bridgewater, Iowa.



MONEY IN THE GENUINE O. I. C. Hogs. Our stock is the real thing and we sell them so you can buy. Our early stock is all gone, owing to the ever increasing demand for our O. I. C.'s. We have a nice lot of late pigs for sale. Write for our circular, its free, and don't forget. **M. I. DAGGETT CO.,** L. Box 59, Des Moines, Ia.



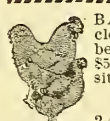
WHITE PLYMOUTH ROCK COCK- erels, pure Fishel direct. From Fishel's best stock, price \$2, \$3, \$5, \$7, such as some ask \$10 to \$20 and \$25. Fine shape, yellow head and legs; white as snow. **WAINRIGHT LEA,** R. F. D. No. 2, Brooksville, Ky.



WHITE PLYMOUTH ROCKS EX- clusively. In 1904 at Joliet 1st cock; at Naperville 1st cock, 1st chl., 1st 2d, 4th pullet, 1st, 2d 4th hen, sweepstakes and special. 1905 at Fox River show 1st chl., 3d chl., 1st pullet, 3d 4th hens 1st per. Eggs \$2.50 per 15. **C. L. GORKE,** Plainfield, Ill.



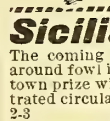
DON'T KEEP SCRUB HENS. BUY pure bred Barred Plymouth Rocks, good, early layers, good poultry—hard to heat for all round fowls. Barred Rocks exclusively, Hawkins' strain. Eggs for hatching, \$2 per 15. Write **MRS. EVELINE FARRELL,** East Walpole, Mass.



BARRED ROCKS, LARGE, VIGOROUS, clearly barred, farm raised, yellow legs and beaks, of best strains. Cockerels, \$1.50 to \$5. Eggs in season from \$1 to \$1.50 per sitting. **E. K. SIMPKIN,** Griggsville, Ill.



WHITE PLYMOUTH ROCKS; BIG birds, pure white, good as the best. Eggs \$2 per 12, \$5.50 per 45. Breeding yards score 98 to 96½. Farm range stock, selected, \$1 per 16, \$5.50 per 100. **S. J. SAYLER** New Market, Ind.



Sicilian Butter Cups The coming 300-egg hen, Sicilians, are the best all around fowl in America. My yards headed by Hagers town prize winners, bred from imported stock. Illustrated circular and prices for eggs free. **R. H. ANGLE,** Shippensburg, Pa.



SINGLE COMB WHITE LEG- horns exclusively. I have the celebrated Blanchard strain, known the world over for their heavy winter laying and for fancy prize-winning birds. Eggs from grand matings, \$1.25 per 15. Correspondence solicited. **4-1 John H. McBurney,** Dawson, Pa.

DUSTON'S WHITE WYANDOTTES WE ARE NOW BOOKING eggs from pens that score from 94 to 96; fifteen for \$1.50; thirty, \$2.75; fifty, \$4; one hundred, \$6. Write **The J. O. Knapp Poultry Farm** 2-05-1yr Cedar Falls, Iowa.

TRY FRANK'S BARRED ROCKS

EEGS from choice Bradley cockerel or pullet matings, fifteen, \$3; thirty, \$5.50; forty-five, \$8; sixty, \$10. Order from this advertisement, you will get full value for your money, or send for circular of matings. **F. L. CHAMBERS,** Box 525, Blandinsville, Ill.



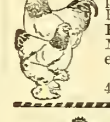
STAY WHITE. WHITE WYAN- DOTTES Good breeding cockerels for sale. Won at Indianapolis Show, Feb., 1905, 1st and 5th hen, 4th cock, 5th pullet, 4th pen. Eggs \$2.00 per 15. **Kenilworth Poultry Farm,** Hanghville Sta. R. R. 18, Indianapolis, Ind.



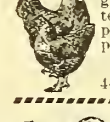
RHODE ISLAND REDS—PRE-EM- inently the utility birds from the original Tappan-Macomber flock. Greatest layers on earth for birds at moderate prices, and eggs to hatch at 6c each. Also some extra fine W. Wyandotte and B. Rock cockerels cheap. Write **WALTER SHERMAN,** 4-3 Citizen Farm, Newport, R. I.



BUFF PLYMOUTH ROCKS and BUFF Wyandottes. Some choice Rock cockerels for sale at right prices. My stock raised direct from heavy laying strains, winning at St. Louis, Chicago, and Detroit. Eggs for sale. **J. E. LANDON** Box 285, Berwyn, Ill.



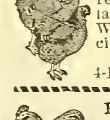
\$1 FOR FIFTEEN EGGS CAREFULLY packed from Light Brahmas, Buff and Partridge Cochins, Buff Barred and White P. Rocks, White Wyandottes, S. C. Black Minorcas, S. C. Brown Leghorns. 25 years' experience. None better. **L. BAIRD & CO.,** Eureka, Illinois



BUFF PLYMOUTH ROCKS. PURE golden buff, bred for quality. Great winter layers. EGGS \$2 per 15, \$3 per 30, \$5 per 50. Fertile egg, fair hatch or eggs replaced for half price. **FRED SPERLING** Dewey, Illinois



ROSE COMB BROWN LEGHORNS, Kulp strain; Buff Plymouth Rocks, Nagshead strain. Most of my birds are prize winners, scoring 92 to 95. EGGS two dollars per 15, five dollars per fifty. Circular free. **WILLIAM BREWSTER** 2606 S P St., Elwood, Ind.



BARRED ROCK EGGS FROM GRAND cockerel and pullet matings, 1st and 2d direct from noted prize winners and famous layers. Some choice cockerels for sale. White Rock eggs from fine pen. Send for circular. **J. C. FISHER** Box 9, McConnell, Ill.



BUFF COCHINS OF FINE COLOR AND good breeding. White Wyandottes score to 95½. Cockerels \$1.50. EGGS \$1.50 per 15, \$4 per 45. For incubator use \$5 per 100. Also fine Barred Rocks. Send for mating list. **GOOD BROS.,** Cimarron, Kansas



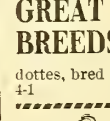
WHITE WYANDOTTES. FIRST cock at Marion, Ind., 1904; 4th and 5th cock, 4th cockerel, 4th pen at Martinsville, Ind., 1905. EGGS \$2 per fifteen. Send for circular. **W. A. CLARK** Nashville, Ind.



WHITE WYANDOTTES, WHITE Rocks. Males scoring 94½. A few yet for sale. EGGS \$2 per 15, \$5.00 per 50. Also fine flock of large Pekin Duck eggs \$1.50 per 13, \$6 per 100. **L. E. WALKER** Box 1250, Fayette, Iowa



"SHAW" ROCKS, WHITE and BUFF are acknowledged leaders. Remarkable records at Chicago and other large shows proves superiority. EGGS from greatest winning strains in America at \$3 and \$5 per 15. Reductions on large orders. Catalogue and eggs circular free. Write today **WABASH POULTRY FARM** Box A, Palestine, Ill.



FOUR GREAT BREEDS WHITE LEGHORNS, WYCKOFF, 267 egg strain. High scoring. Eggs \$1.50 per 15, \$2.50 per 30. White P. Rocks, 239 egg contest. EGGS \$2 per 15, \$3.50 per 30. Barred P. Rocks, Thompson's and Judge Hallenbeck's strains. EGGS \$1.50 per 15, \$2.50 per 30. W. Wyandottes, bred to lay, eggs \$1.50 per 15. **Henry Baumgartner,** Vera Cruz, Pa.



WHITE WYANDOTTES ONLY. EGGS from good pure-bred stock, \$1 for 15, \$1.50 for 30, \$4.00 per 100. Ten years a breeder of Wyandottes exclusively. Give me a trial. Will please you. Address **LOUIS E. PARISH** Route 29, Ottawa, Ill.



THREE WINNERS HEAD MY THREE pens. Barred Rocks won 2d at Chicago, 1904; White Wyandotte 1st at Delavan, 1905; S. C. White Leghorns 1st and special as cockerel 1904 at Delavan. EGGS \$2 per 13. When you write mention this paper.
C. W. IRISH

4-1 Delavan, Wisconsin

EGGS

FROM HIGH SCORING BIRDS. White P. Rocks \$1.50 for 15. White R. C. Leghorns \$1 and \$2 for 15. Satisfaction guaranteed.
BUSWELL & THORPE
4-3 R. R. 2, Polo, Ill.



EGGS \$1.25 FOR 15.00; 30, \$2; 100, \$5.00 from pure bred stock in Barred, White and Buff Rocks, White and Buff Wyandottes, S. and R. C. W. Leghorns and Black Longhans. Circular free. Satisfaction guaranteed.
JOHN W. TATES

4-1 Burnett Jct., Wis.



THE FAIRVIEW POULTRY YARDS breeds Barred Plymouth Rocks exclusively. Seventeen years experience. No better birds to be found. Hawkins, Thompson and Bradley Bros. strains. EGGS for hatching \$4.25 for 15, \$2 for 30, \$2.75 for 45. Address all orders to
C. F. BLIVEN

4-1 Emmethurg, Iowa



THURMOND'S BARRED PLYMOUTH Rocks won eighteen firsts, eleven seconds, eleven thirds, five fourth prizes, two silver cups and grand cash sweepstakes at five big shows. Eggs \$2 for 15. Mammoth Bronze Turkey eggs \$3 for 9.
Mrs. U. E. Thurmond

4-1 Louisiana, Mo.

DINEEN'S COLUMBIAN WYANDOTTES

ARE THE IDEAL FOWL FOR fancy and utility. Stock and eggs for sale from fine, vigorous stock on free range.
CHAS. DINEEN

4-1 Box A, Mills, Mass.

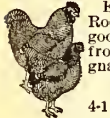


EGGS FROM CHOICE MATINGS OF Silver Laced Wyandottes, or S. Comb Brown Leghorns, \$1 per 15, \$5 per 100. Great egg producing strains and winners in show room. Write me today. Correspondence cheerfully answered. Satisfaction guaranteed.
1-05-1 yr. IRA HASTINGS, Cairo, Ill.



PIFER'S LIGHT BRAHMAS ARE COR. rect in shape and color, scoring 92 to 94½. White Hens scoring 96 to 98½, under Shaner. Three fine Toms tied. EGGS by the sitting.
E. E. PIFER

4-1 Palestine, Illinois



EGGS FROM BARRED PLYMOUTH Rocks \$1 per 15. Farm-raised, vigorous, good winter layers. Mated with cockerels from Heimlich's best pens. Satisfaction guaranteed.
P. J. COONEY

4-1 Route 3, Lawler, Iowa



MY ROSE COMB BROWN LEGHORNS won first at World's Fair, first at Chicago two successive years. Also first at the Illinois state show. Get circular describing my matings. EGGS \$2 and \$3 per 13.
Dr. F. M. REED

4-1 Wyanet, Illinois

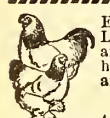


OLINGER BROS., FRANKLIN, ILL.

on Partridge Cochins won at Chicago Show, 1st cock, 1st, 2d, 3d, 4th hens, 2d cockerel, 1st, 2d, 3d pullets. A few choice cockerels for sale, \$1.50 to \$5.00. Fifteen eggs \$1 to \$2. Write your wants.



SINGLE COMB WHITE LEGHORNS. Large, healthy stock, bred for business. Won at Corby, N. Y., show, Dec. 5 to 7, 1904, on 4 entries, 1 cock, 3 hens, tied on 3 pul. in class of over 90. Eggs for hatching \$1 per 15, \$4 per 100. BERT W. HAWLEY.
2-05-1 yr. Pearl Creek, N. Y.



EGGS \$1 PER 15 FROM HIGH SCORING Light Brahmas, Barred Plymouth Rocks and Silver Laced Wyandottes. Our birds have good size, shape and markings, and are mated for best results. Circular free.
DOW BROS.

4-3 Stockport, Iowa

BUFF PLYMOUTH ROCKS

EGGS \$2 PER 13 FROM BUFF Plymouth Rocks that are large size, fine shape, even golden buff, extra good layers and of the greatest prize winning strain in the world, pure "Nuggets." Cock heading first pen weighs 10½ lbs. and was a winner at the Illinois state show, 1905. Hatch guaranteed
Harry C. Millner, 2328 Pitt St., Anderson, Ind.

4-1



EGGS \$1.50, \$2 AND \$3 PER 15, FROM Rose Comb Rhode Island Reds, Partridge Cochins, Silver Laced Wyandottes. Ten yards, males score 92 to 95; females score 91 to 94. Winners of 1st at Cedar Rapids in 1905. 50 birds yet for sale. Write for prices.
JOHN BROWN

4-1 Box 365, Vinton, Iowa

EGGS

MARCH AND APRIL ORDERS a specialty. American Reds, W. Wyandottes, Blue Andalusians, S. C. B. Minorcas, Light Brahmas. High percentage fertility guaranteed. Send for price list.

AUDUBON POULTRY PLANT 3-3 PONCHATOULA, LA.



SEVEN YEARS BREEDER, SEVEN years first prize winner, state and other shows. Get the best Single Comb Black Minorcas; greatest egg producers, strong constitution, fine points for show room. Eggs, \$2 for 13. Cockerels, \$5 each.
AUGUST VOGELER

1-4 Salt Lake City, Utah.



LARGE WHITE HOLLAND TURKEYS, \$4 to \$10 each; pairs, \$6 and up. Brown Leghorn cockerels, \$1 and up. Pure Standard bred. Eggs for hatching. Circular free. Get the benefit of our 11 years with fine poultry.
JOHN R. GARBE

2-3 R. 3, Billings, Mo.



BARRED PLYMOUTH ROCKS, BRIGHT strain. Eggs from prize winning stock \$2 per 13, \$5 per 40. Eggs from heavy laying strain \$1 per 15, \$5.00 per 100. Good hatch guaranteed.
WILLIAM A. JANVRIN

3-3 Hampton Falls, N. H.



WHITE PLYMOUTH ROCKS EXCLUSIVELY. Large, vigorous stock bred for laying and quality. They have the yellow leg and are pure white. Eggs 15 for \$2, 30 for \$3.50; fair hatch or eggs replaced free. Express paid.
JERRY WESTWOOD

3-3 Streator, Illinois

Imported Blue Andalusians

First prize winners at leading shows. Also America's choicest strains of Single Comb White Leghorns. Stock for sale. Eggs in season. Satisfaction guaranteed.

3-1 W. T. NAYLOR, Painesville, O.



NEIBERT'S BARRED ROCKS WIN AT Fairfield 1st, 2d, 3d and 4th cockerel; Chicago, Dec. 15-19, 3d chl.; Charlton, 2d and 3d chl.; Cedar Rapids, 3d and 4th chl.; Plymouth Rock Club special for best shaped male; also best color male. Send for circular. Eggs \$3 per 15.
W. H. NIEBERT

3-3 Fairfield, Iowa



BUFF ORPINGTONS, PARTRIDGE AND Buff Wyandottes. Birds for sale fit to win in any competition, bred for quality and unsurpassed in harmony of color and markings. Winners of prizes wherever shown. Send for prices, stock and eggs.
J. R. YOUNG

3-3 Aberdeen, Miss.

TWO HUNDRED AND TEN EGG STRAIN

WHITE WYANDOTTES EXCLUSIVELY score 92 to 96. Ten pens properly mated fine specimens, 15 eggs \$1.00. Best pen average score 94.15 eggs \$2.00. Incubator eggs, \$4.00 and \$5.00 per 100.
F. A. Galloway, Burr Oak, Mich.



EXPRESS PREPAID ON BLUE BARRED Rocks Eggs. Bradley and Thompson strain direct. Your choice of either strain, cockerel or pullet matings, \$2.50 per sitting. Exhibition birds a specialty. Please write us.
MAGEE & GOWMAN

3-2 Two Rivers, Wis.



SEVEN RECEIPTS, VERMIN EXTERMINATOR. Poultry food. Egg preserver. Sugar curing mortar. Hair restorer. Ringworm cure. Pear blight preventive. Cholera cure. One sitting of highly bred Barred Plymouth Rock Eggs 15 for \$1.00, and the above seven receipts free. If receipts alone are not worth the price money refunded.
W. R. CRAWFORD, McKenzie, Tenn.



SINGLE COMB WHITE LEGHORNS exclusively, free range, Wyck-off strain, headed by prize-winning cockerels. Fertile eggs. My best mating eggs, \$1.25 per 15; \$3 per 50; \$5 per 100, \$20 per 500. Satisfaction guaranteed.
E. E. WISE

2-3 Route 1, New Brighton, Pa.



ROSE COMB AND SINGLE COMB Minorcas. They are winners. At Michigan State Show, on six entries, we won five prizes; Ann Arbor, 16 out of 24. Eggs \$2 per sitting. Stock for sale.
WAGNER BROS.

2-3 Ann Arbor, Mich.



EXHIBITION BLACK BREASTED RED GAMES

64 entries, 57 prizes at the big Chicago Show and elsewhere. Also Barred P. Rocks and exhibition B. B. Game Bantams. Stock and eggs for sale. Circular free.
H. D. SCHREITER, Darlington, Wis.



OUR ROSE COMB BROWN LEGHORNS won 1st and 2nd cockerel at St. Louis, 1st cockerel and pullet at Chicago. I guarantee safe arrival and 90 per cent fertility of eggs as per circular. Get it now.
FRED ALGER,
2-05-1 yr Waukau, Wis.

Black and White Langshans

At Wabash Valley Poultry Show on Black Langshans. 1st cock, hens and pullets, scored from 90 to 94. On White Langshans, 3d cockerel, 3d pen, in large class. Eggs from above prize winners at reasonable prices. Write your wants. Will treat you right.
Frank L. Ribert,
Box A, Haubstadt, Ind.

CHRISTOPHER STRAINS

You pay bigger prices but get no better birds. I have spent years in developing just two breeds—my favorites, BARRED AND WHITE ROCKS. Finely pointed birds of all ages and guaranteed fertile eggs at living prices. I solicit a trial order.
KICKAPOO POULTRY YARDS,
JAS. CHRISTOPHER, Prop., Heyworth, Ill.

Flushing Poultry Yards

H. D. ALDRICH, Prop.
LEGHORNS
ROSE COMB BROWN, 2d pen at Madison Square, New York, 1905.
ROSE COMB WHITE, 1st prize pen Madison Square, New York, 1905.
ROSE COMB BUFF, 1st prize pen Madison Square, New York, 1905.
BAYSIDE AVE., FLUSHING, N. Y.

R. C. White Leghorn Cockerels

Bred from winners at Illinois State Show, Peoria, Chicago, Springfield, Jan., 1905, and St. Louis World's Fair, 1904, at \$1.50; \$2, \$3 and \$5. Catalogue. EGGS from four pens containing my best Leghorns \$1.50, \$2, \$2.50 and \$3 per 15. Light Brahmas, Barred P. Rocks, Single Comb Buff Leghorns, Pekin Drakes.

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THE IDEAL Show Which Hen Laid The Egg.
They work for the user's interests without watching. Proved by five years of practical work. No freight. Circular free.
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by locating in a section where you will find the Cheapest good Lands, where a greater number of profitable crops can be raised, and where there are good markets paying the highest prices. The South, in the Southern Railway Territory, offers healthy, mild, equable climate, desirable lands, good markets, the greatest advantages for stock raising, dairying, grain growing, grasses, tobacco, cane, fruit and truck. Government statistics show largest value in crop yields per acre are in this territory. Cheap rates. Information about lands and crops furnished.

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MAGNIFICENT IN WING, TAIL
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Even color, good shape, low combs—nothing better. A few extra fine show birds and some elegant breeding stock still on hand, very cheap, quality considered. Matings for 1905 better than ever. Eggs \$1 per 15; \$7 per 30; \$10 per 45 and \$20 per 100. Book your orders now.

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are in front among the best on earth. Distinguished for unusually narrow, clear, ringy barring, birds of my exclusive breeding in my hands winning five-sixths of the prizes competed for. EGGS from Wilkesbarre, Pittsburg, Elmira and Auburn winners. 30, \$3; 56, \$5.

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Young and old stock for sale with score card. Good Trios \$5.00. Eggs \$3.00 per 15. \$5.00 per 30. Incubator eggs \$4.00 per 100. Fifty pullets from \$1.50 up.

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The Poultry Publishing Co, Station B-1, Toledo, Ohio.

WHITE WYANDOTTES--S. C. W. LEGHORNS

Won at St. Louis Exposition, Oct. 1904. 2d Cockerel
at the great Chicago Show, Jan. 23 to 28, 1905.
2nd and 4th Cockerels, 2nd Pullet. 2nd Pen.

The above winning on White Wyandottes is a record for any one to be proud of and it proves conclusively that we are breeding along lines that will prove beneficial to our customers as well as ourselves in producing Exhibition Birds, but in producing this stock, we have not overlooked their Utility part. Do not wait to place your order for Eggs do it at once. We are booking orders now. Satisfaction guaranteed. PRICES OF EGGS: White Wyandottes, \$2.50 per 13, \$5 per 30. S. C. White Leghorns, \$3.50 per 50, \$6.00 per 100.

300 Fine Laying Barred Rock Pullets for sale at \$1 25 each or \$20 per dozen

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Winners at Peoria, Burlington and Monmouth. True Indian Game shape and properly colored. Eggs from pen No. 1, \$3 straight; other pens, \$2 per 13; \$3.50 per 26; \$5 per 40.

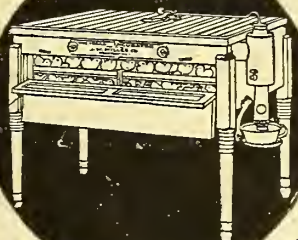
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I know you are not getting the chicks you should get out of your good eggs if you are plodding along with some of the incubators and brooders I have tried. The trouble is that most incubators and brooders are not practical, common sense, every day working machines. I worried along with them a good many years, for I have raised poultry for profit all my life. They kept me always experimenting. The machines were not dependable. When I had all the "experiences" I wanted I perfected the

Ideal Incubators and Brooders

I made them so that they stopped the frightful waste of eggs I had always experienced. They saved my time. They made my hatches dependable and did away with the constant worry about heating, ventilating and regulating. A good many thousand people have bought Ideal Incubators of me—more last year than ever before. What they say of their success is interesting reading to poultry raisers. They all bought on

Thirty Days Free Trial

I'm always glad to send them out that way because they're always just as good as sold. I have gotten out a grand new book this year—a combination Incubator, Brooder, Poultry and Poultry Supply book. I believe it saves money and makes money for people engaged, like I am, in the poultry business. Write to me at once and let me send a copy. It costs you nothing, I'll pay postage.

J. W. MILLER CO., Box 56 FREEPORT, ILL.**WE PAY THE FREIGHT.****MADE BY THE MAN WHO KNOWS****IT DOES THE WORK**

White Orpingtons, Buff Orpingtons, Ermine Faverolles, Salmon Faverolles

Send for list of their winnings, also for "What is a Faverolles?" They are free.

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Houdans and White Wyandottes

My pens have been mated properly for best results, containing many prize winners that score as high as 94, 94½, 94¾, 95½. Eggs, \$2 per sitting or \$5 for 3 sittings. I have sold out all my surplus stock.

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Larmer's BUFF ROCKS

World's Fair first prize and Missouri cup winners. Best in the west, '93 to '94½. See egg circular.

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Two big Chicago shows—eight first prizes. Stock to spare at right prices. Eggs for hatching. Write for particulars.

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BUFF ROCKS

300 head mated in pairs, trios or pens. Write me; I can please you in price and quality. Eggs, \$2 per 15; \$5 for 45, \$10 per 100.

GOLDEN NUGGET POULTRY FARM,
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Unequaled Stock Remedies

AGENTS WANTED. Write for our terms. We guarantee our remedies or refund the money. Our Black and White **LANGSHANS** are as good as ever.

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BUFF ORPINGTONS

(SINGLE COMB)

Express prepaid on Eggs. Grand shape, solid buff throughout, rich under color. Catalogue, giving winnings, photos from life, etc., free. Eggs \$3.00 per fifteen.

WILL H. SCHADT Goshen, Ind.
Sec. National S. C. Buff Orpington Club.

SILVER PENCILED AND COLUMBIAN WYANDOTTES

A few **Silver Penciled Wyandotte** trios left from \$5 up. EGGS from pens A, B and C, \$3 per 15, \$5 per 30. EGGS from pens D, E and F, \$1.50 per 15, \$8 per 100. **Columbian Wyandotte** pen headed by 3d World's Fair cockerel mated to 1st Detroit hen and pullet, and other high scoring females. EGGS \$3 per 15 straight. Circulars.

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THE HEAVY LAYING KIND of S. C. Black Minorcas, S. C. White Leghorns and Barred Plymouth Rocks that can win. Young stock at prices that are tempting to the egg farmer or the fancier—quality that will please all. No other concern ever offered our quality at our prices. To introduce our stock we offer special prices on eggs for hatching season, 1905, viz.: 13 for \$1, 50 for \$3, 100 for \$5. We guarantee every egg to be from our best, carefully selected exhibition matings of line-bred, standard stock. Have your egg orders booked now; \$1 down, balance when shipped. Don't miss our bargain sale on cockerels: they will do you good.

Otter Creek Poultry Farm Co., Watertown, N. Y.

CYCLONE STRAIN OF BLACK LANGSHANS

a number of nice breeding cockerels for sale right. Write for prices. Eggs \$2 per setting, two settings for \$3, \$8 per hundred.

H. C. ECKERT & SONS Belvidere, Illinois

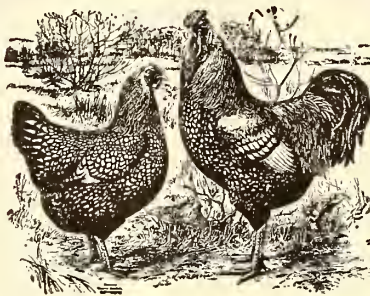
Vass' Buff Orpingtons

are still winning at large shows. At World's Fair won 1st and 3d hens, 4th cockerel and 7th pullet. At Madison Square Garden, N. Y., 1905, in class of 39 cockerels won 2d chl., defeating the originator and 1st prize chl. at first International Alexander Palace Show, London, and was purchased and sent to America at cost of \$750. Have grand lot of breeding stock to offer in Single and Rose Comb Buffs; four trios of White Orpingtons; three chls. Black Orpingtons and Partridge Wyandottes. Eggs for hatching at all times. Write for prices. Circular free.

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If not you had better get acquainted. I have bred and exhibited fancy poultry for 14 years and have shipped eggs and stock to every nook and corner in the world. I can boast of having as many pleased customers as any breeder in the U. S. My breeding stock scores 90 to 96 points. Eggs from these pens will certainly produce prize winners.

EGGS

\$1.50 per 13, \$2.50 per 26, \$5 per 65.

I replace broken eggs free of charge. Order direct from this advertisement

I BREED:

Dark Brahmas, Light Brahmas,
Barred Plymouth Rocks,
White Plymouth Rocks,
Buff Plymouth Rocks,
Golden Wyandottes,
Silver Laced Wyandottes,
White Wyandottes,
W. C. B. Polish,
Partridge Cochins,

Buff Cochins, White Cochins,
Black Langshans,
Black Minorcas,
Single Comb White Leghorns,
Single Comb Brown Leghorns,
Houdans, S. S. Hamburgs,
Rhode Island Reds,
B. B. Red Games,
Dominiques, Red Caps,

Golden Polish,
Rose Comb White Leghorns,
Rose Comb Brown Leghorns,
White Face Black Spanish,
Buff Leghorns,
Cornish Indian Games,
B. Cochins Bantams,
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White Minorcas,

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1 sitting, \$2.50; 2 sittings \$4.50

Pekin and Rouen Ducks. \$1.50 per 11; \$2.50 per 22.

HUMMEL'S INSECT POWDER, the best in the World. Price list free. All correspondence receives prompt and personal attention. If you have never dealt with me, I want your orders this season, and will endeavor to treat you right and bold your patronage. Large circular free.

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Chick Feed, Hen Feed, Mash Egg Feed, Evergreen Clover Meal, and Pigeon Feed.

The Standard Poultry Supplies of the World. The Only Original Dry Chick Feed. Endorsed by All Leading Poultry Breeders. Used exclusively at the World's Fair for 7 months. Sold Everywhere. Please write for prices and name of nearest Agent.
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We Will Sell Eggs

at \$1.50 per 15, or \$8 per 100. Also fine stock of Light Brahmas, Langshans, Buff Cochins, Partridge Cochins Single and Rose Comb R. I. Reds, S. C. Brown, Buff and White Leghorns, Minorcas, S. S. Hamburgs, B. B. Red Games, Pekin Ducks, 583 regular prizes bear witness of quality.

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BUFF WYANDOTTES PLYMOUTH ROCKS

are the best general purpose fowl bred. April is the best month to hatch chickens. Order your eggs at once. I am sure my stock will please you. Better order direct from this ad and avoid delay. 15 eggs for \$2. You need not be afraid they will not hatch.

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Granger Poultry Farm

S. C. Buff and White Orpingtons
and Buff Leghorns

Eggs from imported and prize winning matings. Mat-
ing list giving prices and descriptions. Please write
me stating wants.

F. A. CROWELL Granger, Minn.

The Farmer Strain of . . . BARRED ROCKS

Have been winners twenty-eight years.
Shall breed ten pens as fine as we ever
mated. Eggs in season. Price list free.
Mention this Journal.

JOE FARMER : : FLUSHING, OHIO

"Away Down South in Dixie"

Eggs by the sittings or by the hundred from White Wyandottes, White Plymouth Rocks, S. C. White Leghorns, S. C. Black Minorcas, S. C. Buff Leghorns, R. C. B. Leghorns and Cornish Indian Games. Stock for sale at all times. Prices on eggs: Utility matings \$1.50 for 15; exhibition matings, \$2.50 for 15; special matings, \$5 for 15. Incubator eggs per 100 \$5.

Cherry Hill Poultry Farm H. W. BLANKS, Prop., Columbia, La.

Barred Rocks

Line-bred for heavy laying as well as fancy points. I have won as many premiums during the last eleven years as any one, and have sold winners both east and west. EGGS \$1.50 per 15, \$4 per 50, \$7 per 100, now.

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Large Poultry Catalogue, illustrating and describing 55 best varieties chickens, ducks, geese and turkeys. Also gives very low prices of stock and eggs. Sent for only 10c. (1600 prizes taken on my poultry the past two years.) Mention this paper

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Build right, looks right, sold right. You want
two things; a good fence and a square deal.

Shimer Crimped Spring

fence has no superior, and we meet every man
half way. To introduce, we offer a bargain to
the first one writing from any locality. Write to-
day for our elegant fence book and Plan No. 2.

Spring Steel Fence & Wire Co.,
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Send me your name and address and I will send
you formula for a treatment that cured me, has
cured hundreds and will cure YOU, as surely as
day follows night. J. Russell Scott, Jackson, Mich.

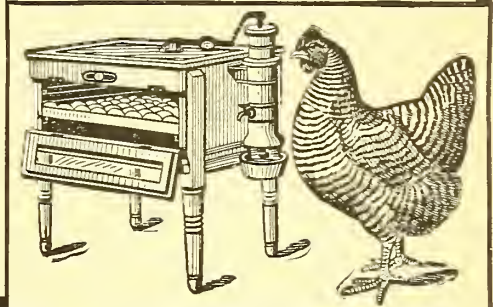
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The simplicity of the Stahl incubators created a demand that forced pro-
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recognized the most perfect small
hatcher. This new incubator
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marvel of simplicity, and so per-
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every fertile egg. Write for
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the new free illustrated catalog
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BUFF Cochins

1st cock, 1st pen, 2d cockerel, etc., pronounced by the most experienced and com-
petent critics, such as Mr. Mr. McGrew, as the equal of any that have ever been
shown in America. One cock described as simply a wonder. What higher
engly can any ambitious breeder desire. These noted birds were bred in my own
yards and I have many more like them that I am now offering for sale at low
prices considering quality, as I do not intend to exhibit again this year. Write at
once for what you want to

HOLMBURST POULTRY YARDS,

Whitby, Ont., Can.

DR. J. J. HARE, Prop. President of American Buff Cochin Club.

VANATTA'S S. C. W. LEGHORNS Are Still in the Front Rank

They prove their merit and sustain their world-wide reputation by winning more premiums at
the St. Louis World's Fair, Oct. 24 to Nov. 5, 1904, than were won by any other breeder. We won
in every class in which we showed birds. In World's Competition 7, 9 cockerels, 2, 8 hens, 2, 6, 9
pullets, 3, 4, 8, 10 pens. Missouri Competition 1, 2, 3 cockerels, 1, 2 hens, 1, 2, 3 pullets, 1, 2, 3 pens.
From National S. C. W. Leghorn Club, 2 hen, 2 pullet, 3 pen. No cock birds shown. Total cash
winings \$100. EGGS FOR HATCHING, finest exhibition matings, \$5 for 15 eggs; \$9 for 30;
\$25 per 100. Good utility matings, \$1.50 for 15; \$7 per 100; \$50 per 1000. Illustrated catalogue free.

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For more than thirty-one years Rigg's strain of Houdans has been the acknowledged
standard of Houdan excellence by all Houdan breeders and exhibitors at ALL the
leading shows of New York, Boston, etc., have drawn largely upon this strain. The
record made by the Rigg strain during all these years has never been approached
by any breeder.

Mr. Thos. F. Rigg, Iowa Falls, Iowa. Driftwood Farm, Girdletree, Md., Dec. 17, 1904.
Dear Sir:—In 1898 I obtained in Colorado three Houdans that were purchased of you. I
took them to Brazil, where they were practically unbeaten by the best English strains, to
say nothing of breeding a lot of youngsters that hustled their Minorcas in egg production.

WALDO KENNARD.

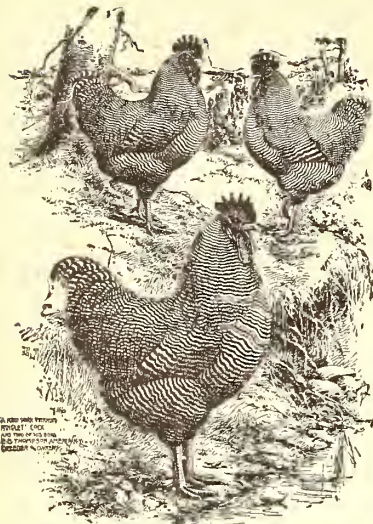
This is the kind YOU want the large, vigorous, egg-producing, show winning kind,
More than 31 years of careful, systematic, line-breeding has given us this magnifi-
cent strain of Houdans.

EGGS FOR HATCHING THAT WILL PRODUCE SUCH STOCK

We have no special pens in reserve for ourselves and other pens for our customers.
The same pens that supply us with our many winners and magnificent breeding
birds, supply our customers with eggs. Price of eggs \$3 per setting, two settings \$5.

THOS. F. RIGG

IOWA FALLS, IOWA



"RINGLETS" Soar Still Higher.

At the Imperial Show of the Nation, Madison Square Garden, New York, January, 1903.

E. B. THOMPSON'S BARRED P. ROCKS

Stamped their superiority in the most decisive manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen and pullet. This is the third time the "Ringlets" have won this grandest of all trophies, giving them now absolute and final ownership. In this "COLOSSAL CONFLICT" the "Ringlets" lifted the great National Sweepstakes Cup presented by the American Plymouth Rock Club for best cock, cockerel, hen and pullet. My Barred Rocks won double the number of silver cups and special prizes of any competitor, including the sweepstakes special in gold for best Plymouth Rock on exhibition male or female any variety.

The "RINGLET" World's Record of four years in succession at New York is a page of history. The "RINGLET" World's Record of first on exhibition pen at this great show, three years in succession, is the undisputed champion.

The "Ringlet" clean sweep 1st, 2d, 3d, 4th and 5th prizes on pullets has never been approached at Madison Sq. Garden, and stands alone and unequalled. The "Ringlets" have won at New York—exhibited by me personally—a grand total of 87 prizes. 36 of these are 1sts and specials, being more than double the number of 1st and special prizes won by any competitor in the history of the show.

A "Ringlet" 1st Prize New York Cock and two of his Sons.

GRAND STOCK FOR SALE

In any number. Rare bargains in yearling breeders in lots of a trio or 100. Show birds fit to win in the fastest company—600 choice breeding cockerels. Richly illustrated 36-page catalogue on application. It is full of original illustrations of New York winners from life. Eggs from finest exhibition matings. One setting \$5, two settings \$9, three settings \$12, four settings \$15. Address

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HAWKINS'

ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER WHITE AND BUFF.

EGGS FROM PRIZE MATINGS.

1 Sitting, \$5. 3 Settings, \$10.
2 Settings, \$8. 5 Settings, \$15.
Per 100, \$20.00.

Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others. My matings this season are the best I ever owned. * * * * *

At the Great National Show, WASHINGTON, D.C., in hot competition with over 300 birds of these varieties, the best that could be found regardless of price, I won 45 Regular and Special Prizes on 39 Entries, including First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show (Bantams excluded), and this on my First Prize Barred P. Rock Cockerel. My winning White Wyandotte cock was pronounced by the judges to be the best they had ever seen. I won twice as many first prizes as all other exhibitors of these varieties. My BUFF ROCKS, at Boston, 1899, in hot competition, won more first and special prizes than all others. My customers are winning all over the country. If you want the BEST, write me. Hundreds of Choice Exhibition and Breeding Birds at Honest Prices. Catalogue of America's finest Plymouth Rocks and Wyandottes free.

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...BUFF WYANDOTTES...

A strain that has repeatedly proven its worth at the big shows in hottest competition. Book your order to-day. Ours is a laying strain.

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Largest Breeders of Buff Wyandottes in the World.

Box B, Woodstock, Ill.

World's Fair Prize Winners!

If its grand young stock you want, for breeding or for the show room, we surely have them in the choicest quality and largest quantity we ever produced. Brother, try us, just for your own sake. Give us a chance to show you and help you, for we can, and will honestly and truly guarantee to please you with such as Barred Rocks, Wyandottes, Leghorns, Games, Pekin Ducks, Wild and Bronze Turkeys.

We can supply you with anything in choice Fruit Trees or Poultry Supplies.

OUACHITA VALLEY POULTRY FARM

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AMERICAN POULTRY JOURNAL

Vol. 36

May, 1905.

No. 5.



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GEO. G. BATES, President and Editor.

325 Dearborn Street

Chicago, Illinois

White Wyandottes

Chalk white throughout. Won at Lake Geneva, Wis. 21sts, one 2d, 5 specials, class of 70. EGGS \$2.50 per 15. J. B. BENNETT Ringwood, Illinois

EGGS FOR HATCHING FROM OUR PURE BRED

**White P. Rocks,
White Wyandottes,
S. G. White Leghorns.**

Price reduced to \$1 per setting of 15 eggs for balance of season from our fancy matings. Incubator eggs \$4 per hundred.

THE EDGAR POULTRY AND EGG FARM CO. Richwood Ohio

BUFF ROCKS

EGGS that will hatch you prize winners, \$2 per 15; \$5 per 45, \$10 per 100. Half price after June 1st.

GOLDEN NUGGET POULTRY FARM,
F. E. GILLILAND, Prop., Box R, Hope, Ind.

**Thompson B. Rocks, Pierce W.
Wyandottes, National B. Turkeys**

Have been winning their portion of premiums; Rocks scoring 90 to 93, Wyandottes 93½ to 95½; Turkeys 96 to 97½ by Helmlich. EGGS from our prize mating at half price, \$1.00 per 15 straight. Turkeys \$2.00 per 10 straight. Don't fail to try our eggs.

WARREN SLOAN, R. 4, ELDORADO, ILL.

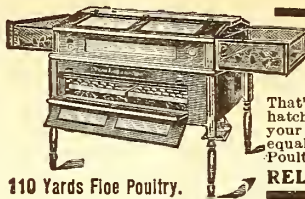
S. C. BROWN LEGHORNS

**EGGS \$1.50 per 15
2.50 per 30**

From prize winning stock. No more stock for sale.

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110 Yards Floor Poultry.

Absolute Satisfaction or Your Money Back.

That's the way we sell the Reliable Incubator—the one great non-moisture hatcher, with the perfect heating and regulating device. You try it at your own home; you judge for yourself. The Reliable Brooders are not equalled by any other. Send 10 cents postage for 19th edition Catalog and Poultry Book combined, just out. It shows how our guarantee is made good.

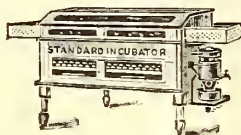
RELIABLE INCB. AND BROODER CO., Box A-1 Quincy, Ill.

WHITE WYANDOTTES. The Best on Earth.

They score from 93 to 95 under Rigg, Russel and Shellabarger stock for sale. Eggs \$3 per setting.

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Incubators on 30 Days Trial

The Kind that Cannot Fail. The World's Best

We manufacture the largest and most complete line of first class business incubators and brooders in the world. Large, handsome, illustrated Catalogue and Poultry Guide with poultry house, brooder house and incubator cellar plans, etc., etc., free. Send for a copy at once.

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Dept. B, Rochester, N. Y., U. S. A.

WHITE WYANDOTTES--S. C. W. LEGHORNS

The progressive poultryman never stops to consider the price, when looking for stock which produces results, and which has the guarantee of a reputable farm back of it.

Bred For Utility as Well as For Exhibition
OUR RESULTS AT THREE SHOWS

Milwaukee, Jan., 1904, 1st pullet, 2d hen. St. Louis World's Fair, Oct. 1904, 2d cockerel. Chicago National Show, Jan. 23-28, 1905, 2d and 4th cockerel, 2d pullet, 2d pen. All above winnings on White Wyandottes. If in search of stock or eggs, here is something to interest you.

Leghorn Chicks from the incubators \$20 per 100 to May 15th; after that \$16 per 100. Can furnish any quantity. 32 360-egg incubators in use.

Prices of Eggs: W. Wyandottes, \$2.50 per 13; \$5 per 30. S. C. W. Leghorns, \$3.50 per 50, \$6 per 100.

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D. BEIDLER, Prop.

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LAYERS ARE PAYERS

Lousy hens do not lay so well—the lice worry them, sap their vitality, make them weak and unproductive. SCHILD'S LIGHTNING LICE

**THE
HAPPY HEN
IS THE
LAYING HEN**

KILLING MACHINE instantly rids fowls of lice. No choking—no smothering—no spoiling of plumage. Largest turkey or smallest chick handled with ease. 100 hens or 300 chicks thoroughly cleaned in 60 minutes. Simply put fowls and powder into the machine, turn the crank a few times and it's done. Let us send you full particulars. Our Lice Murder is the best thing out for cleaning Poultry Houses of mites—easy to apply—leaves 'em dead in piles. We make poultry bits too—keep birds from plucking out feathers. Send for catalogue. CHARLES SCHILD CO., 301 Detroit St., CLEVELAND, O.

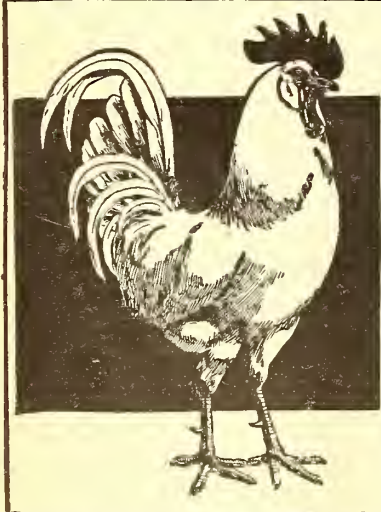


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If your poultry isn't paying as it should, you are making costly mistakes. Our course of Instruction will quickly teach you how to make any yard (large or small) pay from 25 per cent to 50 per cent profit. Your knowledge and ours combined will make you successful. The individual home lessons, delivered regularly at your very door, are prepared by practical poultrymen who have by actual experience mastered the problems which worry nine-tenths of all poultry raisers. You get no theoretic instruction. After a little study you can discover your errors and overcome them. The directions are easy to understand and follow, and big paying results are sure. If you want to qualify yourself as manager of a poultry yard and accept one of the

MANY LUCRATIVE POSITIONS

we have on our records, our Course of instruction will soon make it possible. Poultry Culture is not drudgery when rightly conducted. It is a healthful, profitable, enjoyable vocation for man or woman. Write for interesting free literature at once. Ask for circular showing some of the good paying positions we have open for competent men.



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SINGLE AND ROSE COMB

Prize Winning Stock for Sale. We will not exhibit any more this season.

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at the largest poultry show ever held, with the strongest class of Buffs ever brought together, we won seven out of a possible ten firsts. This duplicates our Chicago record, where for four years we have won more firsts than all competitors combined. Circular free.

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Box B, No. Adams, Mich.

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Brent & Eddy
OCONOMOWOC
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CORNISH INDIANS @ WHITE WYANDOTTES

**Our Late Show Record On
Cornish Indians**

1st Cock, 1, 2, 3, 4 hen, Chicago, 1903.
1st Cockerel { 1, 2 hen } Chicago
1st Cockerel { 1, 2 pullet } 1904
2d Pullet { 3, 5 Cockerel } Chicago
3 Entries 1905
4th Pullet { 4, 5 Cockerel } Mad. Square
5 Entries Garden, N.Y.
1905
EGGS from exhibition pens \$3.00 per 15.

Our pen of "Stay White" Wyandottes, purchased from one of the best known breeders of this variety in the east, has furnished us a limited number of splendid trios in last season's young stock. Prices right.

EGGS from four pens of carefully mated White Wyandottes \$2.00 per fifteen.

S. C. Rhode Island Reds

Original Cherry Red Strain

At Chicago Show 2d cockerel, 2d hen, 4th and 5th pullet in a good class.

EGGS \$2 PER 15: 50 FOR \$5

Five pens of high scoring birds.

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Well matured, good colored, heavily feathered cockerels, \$4 to \$10 each, pullets \$2 to \$6. EGGS for hatching from five grand yards \$3 per 13.

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WHITE WYANDOTTES LEGHORNS, S. C.

Winners at Indianapolis, Terre Haute and wherever shown. Quality away up. Prices away down. EGGS: Wyandottes, \$1.50 for 15; \$4 for 50; \$7.50 per 100. Leghorns, \$1 for 15; \$2.50 for 50; \$4.50 per 100.

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KULP'S WINNERS and LAYERS

Rose (242 egg strain), Single (240), C. Brown and Single and Rose C. White Leghorns, all winners at New York. Buff and Barred Rocks of finest grade. White Wyandottes (Duston). Send for catalogue. EGGS \$2 for fifteen, \$5 for forty-five.

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Pottstown, Pa.

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Clement & Fike's White Wyandottes

First and seventh cocks, fourth pen, third display, five specials, \$50 Silver Cup, four firsts at Chicago, January, 1904. Eggs \$3 per 15. Pekin Duck eggs \$2 per 11. Twenty-page catalogue free.

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I have carefully selected four pens of my very best WHITE WYANDOTTE hens and pullets, of good size, shape and excellent laying qualities, mated with fine cockerels of grand shape, pure white plumage, superb carriage, and fine Wyandotte points. These birds are young, vigorous stock and will produce first-class chicks. I will sell eggs from these choice matings at \$1.00 per sitting of 15. Satisfaction guaranteed.

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Reign Supreme at the Nation's Greatest Shows

My record has never been approached by any breeder. BOSTON, 1900. In world famous competition, 135 Houdans exhibited, I won 1st cock, 1st and 2d pullet. BOSTON, 1902. Silver cup, 1st cock, 1st hen, 1st pullet, 2d cockerel, all cash specials. BOSTON, 1903. 100 dollar champion challenge cup for best male in class of 16 birds, 1st, 2d, 3d cockerel; 1st, 3d, 4th, 5th pullet, 1st hen, gold trophy, all cash specials. BOSTON, 1905. We won every important prize. 1st and 2d cock, 1st, 2d, 3d cockerels, 1st, 2d and 4th hen, 1st, 2d, 3d and 5th pullets: \$100 champion challenge cup for best male; American Houdan Club Cup for best cock, hen, cockerel and pullet. All shape and color ribbons; gold special. Such records prove the superiority of Petersen's strain of Houdans and defies competition.

ST. LOUIS EXPOSITION, 1904. Our Houdans were awarded the high honor of the Breeder's Badge and Diploma, being entered by the exhibitor as Petersen's strain of Houdan's. Also highest honors at Madison Square Garden, Philadelphia, Pan-American Hagerstown, Toronto. No matter where you want to exhibit, no matter what the competition, I can furnish the winners. Photographs on application. Eggs in season.

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Bailey's Orpingtons

won 24 prizes (13 of a possible 17 firsts) at the two late Chicago shows, and medal at last show for best display. Show record and mating list free. 20 matings for egg trade. Satisfaction guaranteed.

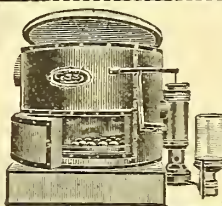
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Hallock's White Wyandottes

won five out of six firsts at New York. Eggs \$3.00 and \$5.00.

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Save Your Eggs Not the Freight

Our machines pay for themselves the first hatch. Get 1905 book free from the man with 30 years' experience building incubators.

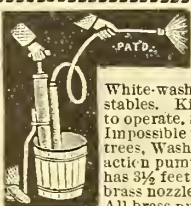
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World's Fair Prize Winners.

Eggs \$2 to \$5 per setting. Incubator eggs \$5, \$8 and \$15 per hundred. Write for circular.

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"Lightning" White- Wash Sprayer No. 28

White-wash your Poultry-houses and stables. Kills lice and vermin. Easy to operate. Sprays white-wash rapidly. Impossible to clog. Also for spraying trees, washing wagons, etc. Double action pump; will spray 30 feet high; has 3/4 inch heavy hose, extension rod, brass nozzles, steel stirrup, ball valves. All brass pump \$3.50; galvanized iron \$2.50. Cash with order; express prepaid. Agents wanted.

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WE BREED FOR COLOR, VIGOR AND HEAVY EGG PRODUCTION

OUR LEGHORNS AND WYANDOTTE HENS HAVE RECORDS OF OVER 200 EGGS PER YEAR.

Eggs for Hatching from 40 Breeding Pens of

Sweepstakes Cockerel at the Chicago Show. Barred and White Plymouth Rocks, White and Silver Wyandottes, White and Brown Leghorns and Bronze Turkeys.

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Keeps Poultry Healthy

VIGER'S

Crushed Charcoal

Prevents Disease

Chemically pure, keeps poultry strong, healthy and in good laying condition. Corrects wrong feeding. Not a drug, but Nature's own purifier. Coarse or fine granulated, also pulverized for soft feed. 50-lb. trial bag \$1.00; special price for quantities. Samples free. Viger's Coal & Wood Co., 434 20th St., Detroit, Mich.

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EVERY HEN HER OWN BOOKKEEPER

PATENT APPLIED FOR

shows which hens lay the eggs. Requires less expense, time and labor than any device now on the market. "It makes every hen her own book-keeper" and can be attached to any nest. It is the only reliable, automatic, individual record system in existence. Sample prepaid, 50c.

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Acknowledged everywhere the world's greatest laying strain. None better in standard qualities. By our 30 years of continuous breeding and selection we have placed them unquestionably in the lead as the most profitable strain of poultry in America. You assure your success by using them as your foundation stock. Eggs for hatching in any quantity from the choicest and most carefully selected matings. Eggs, \$2 per 15; \$3.75 per 30; \$5 per 45; \$10 per 100. Send for free catalogue and let us know your wants. Address

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McClave's matchless prize winning White, Golden and Silver Wyandottes, Barred and White Rocks, White and Brown Leghorns, Black Hamburgs, Light Brahmas, Langshans, R. C. B. Bantams, big Bronze Turkeys, White and Narraganset Turkeys, all standard varieties of Geese and Ducks, and Scotch Collie Shepherd Dogs. More first prizes on our birds at Pan-American, Pittsburg, Chicago, Columbus, Cambridge and Akron than any other exhibitor. Prices reasonable. Best quality. Write

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BY JAMES SHACKLETON.

30 Chapters, 147 Pages, One Dollar, Postpaid.

In 17 days just elapsed I have received orders for 87 copies of this book from California; chiefly because many Californians bought the book a year ago, have tested it in their own experience, and told others of its value. Not the least bit like any other poultry book, but many people say it is better for that. New circular that convinces, for a stamp. A chapter of book postpaid for ten cents. The book and American Poultry Journal for one year for \$1.10, new or renewal.

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IF YOUR INCUBATOR IS A

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1890 It hatches a strong, vigorous chick from every good egg put in it. You raise more of them, 1905 than if hatched in any other incubator or under hens. It is absolutely self-regulating. No supplied moisture.

HUNDREDS HATCH EVERY EGG USED

PRICES BELOW ALL COMPETITORS

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Don't keep it if it doesn't suit in every respect. Sold on

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Brooders all sizes and kinds, from \$3.00 up.

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FOR HARDY CHICKS

HARDING'S
Baby Chick Food

FEED HARDING'S FOOD

makes baby chicks hardy. Makes vigorous, rapid growth, insuring chick life, so uncertain at this stage, that it more than saves its cost in saving life. It adds profit where loss is the usual result. One trial test will prove its worth. It saves worry and makes poultry raising pleasurable—profitable. 5 lb. cartons, 30c; 10 lb. bags, 50c; 50 lb. bags, \$1.50; 100 lb. bags, \$2.50, f. o. b. Binghamton, N. Y. Give your chicks a chance for life by giving them food that furnishes life—Harding's Baby Chick Food. Send for free catalogue containing good points for making poultry pay.

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If you are not, and want to know where you can get the most fence and the best fence for the least money, let's talk business. We sell you wire fence direct from our Fence Factory at Wholesale Prices Freight Prepaid on

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Advance Fence is constructed on correct principles, is made of high grade galvanized steel wire. Strong, durable and attractive. The top and bottom selvage are double strength. The stay wire is continuous being twisted with the selvage from one stay to the next and wrapped twice around each line wire as it passes across the fence. No loose ends as in cut stay fences. 26 styles to choose from. **FENCE BOOK FREE.** We put the dealer's profit into your pocket. Write us and we will prove it.

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Offer No. 1.

American Poultry Journal, Chicago, 50c per year.....	{	\$1.50
Reliable Poultry Journal, Quincy, Ill., 50c. per year.....		for
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C. B. Huff, Bridgeville, N. J.

Formerly of Delaware, N. J.

16 years' experience breeding prize winning poultry. Eggs for hatching from my famous Single and Rose Comb R. I. Reds, B. P. Rocks, White Wyandottes, S. C. B. Minorcas, S. C. W. and Brown and R. C. B. Leghorns, \$1 per 15, \$5 per 100. Prize Light Brahmas \$1.50 per 15. Catalogue free. Can fill large orders. Correspondence cheerfully answered. Write your wants.

1882 EGGS \$3 PER 15 1905

Light Brahmas

Glit Edged strain Six grand yards. Males score 94 1/2, 94, 94, 93 1/2, 93 1/2, 93. Females score 92 to 96. Will not a sitting of eggs from such birds as these do you good? Circular free.

Henry T. Reed, Camp Point, Ill.

White Wyandottes

TRIUMPH STRAIN

Vermont has a world-wide reputation for producing the BEST. This is an axiom as to her dairy, maple and poultry products. If you want both good lookers and good performers you will have to send to me sooner or later. Save your money and send now. Write for booklet.

W. E. MACK West Woodstock, Vt.

...BUFF ORPINGTONS...

We entered 16 birds at the great Minneapolis show and won 15 prizes. Also best display. Scores reached 94 1/2. Six firsts out of a possible seven. Eggs from these same birds, that will give you like winners :

G. A. GIBSON, HECTOR, MINN.

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THE BEST OF ALL

EGGS from finest exhibition cockerel or pullet matings \$2.50 per setting or two for \$4.00. Ask for our illustrated catalogue, it's free.

KING BROS. Lock Box 174, Oshkosh, Wisconsin
Largest Specialty Breeders in the Northwest.

WHITE ROCKS WYANDOTTES Hawkins and Jefferson
WHITE INDIAN GAMES Bicknell
BUFF ORPINGTONS - Cooks **ROCKS** Shaws

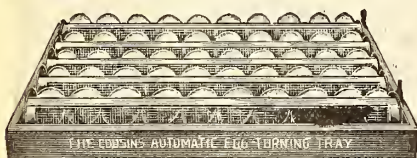
Here's what you are looking for something good at a very low price. The direct progeny of New York and Chicago winners. Eggs \$1.00 per 15, \$6.00 per 100.

C. L. McFERREN, BELLVILLE, O

BUFF ROCKS SACRIFICED

To make room for young stock I offer for next 30 days 100 of my extra fine breeders at one-fourth their value. Hens worth \$5 to \$10 at \$1 to \$2. Males worth \$20 to \$25 at \$5 each. Eggs \$4 per 15, \$7 per 30, \$10 per 45 and \$20 per 100.

B. E. JOHNSON Kirkwood, Mo.



THE COUSINS' AUTOMATIC EGG TURNING TRAY increases the hatch of all incubators by turning all sizes of eggs alike, and holding them in proper position. If you are using incubators you cannot afford to be without them. Catalogue free. Mention this paper.

J. L. Cousins, Warren, Pa.

Silver Penciled Wyandottes

At Madison Square Garden, New York, 1905, we showed males only, and in the hottest competition in America we won 1st cockerel, 1st, 3d, and 4th cocks, fifth cock and two of the winning females being direct from our stock. Three of our yards are headed by first prize Madison Square winning males. Cocks, cockerels, hens and pullets for sale. Pairs, trios and pens. **Buff Leghorns and Columbian Wyandottes**, the best in the world. About these little need be said.

AUG. D. ARNOLD

Box 777 Dillsburg, Pa.

DO YOU WANT EGGS FROM::

WHITE WYANDOTTES

that will win for you? At last Dayton and Ohio State Shows we won nine out of eighteen regular money prizes, and special for eight best birds in American class.

EGGS \$2 for fifteen, or \$3 for thirty.

THE K.-G. POULTRY YARDS

Circleville, Ohio



Black Langshans

First prize at World's Fair, Kansas City, Dallas and Houston. Won the \$50 cup at Shreveport over all breeds; pen scored 191. Record for 1904 birds score 95 to 95 1/2. Eggs \$3 for 15. Birds for sale, satisfaction guaranteed.

J. E. R. CHILTON, Dallas, Texas



MICA-CRYSTAL.

STANDARD POULTRY CRIT OF AMERICA.

THE PERFECTION SHELL MAKER AND GOLDEN YOLK PRODUCER.

White Quartz, 58 p. ct. Aluminum, 20 p. ct. Iron, 12 p. ct. Magnesium, 10 p. ct. DIGESTER. SHELL MAKER. YOLK MAKER. SHELL MAKER.

For Sale by **DARLING & CO.,** Wholesale Dealers in Chicago, Ill.

...DOANE'S MINORCAS...

S. C. BLACKS ONLY

My Minorcas have a record of winning six years in succession at Madison Square Garden.

140 Choice Birds for Sale

Pens mated to produce best results. All stock is sold under a guarantee to please. Stock is all farm raised and very vigorous and of the true Minorca type. Eggs \$3 per 13; \$5 per 26; \$18 per 100. We use pedigree trap nests. Send for catalogue.

J. H. DOANE,

Box D, Gouverneur, N. Y.

Standard Bred
Wyandottes

PRIZE
WINNING

Standard Bred
Plymouth Rocks

EGGS

FOR SALE

This stock is as fine as any; has taken prizes, and you cannot help but get something that will please you. Send for circular.

West Michigan Poultry Farm

Geo. S. Bigelow, Proprietor
R.D. 4 Bangor, Mich.

A MASTER-STROKE OF FOLLY

Made by the President, G. M. Curtis, the controlling factor in the Cyphers Incubator Co.

A Reply to the Cyphers Incubator Company's Advertisement in the April Poultry Journals, entitled, "A Fair Warning to All."

This advertisement is a quibble, deliberately worded to mislead, and is entirely false and slanderous, designed to divert trade from a competitor whom they have tried to put out of business by many foul and dishonorable means.

The Adair affidavit published in their statement is designed to make the public believe that he had a patented thermostat which he had sold to the Cyphers Incubator Company, and which the Model thermostat infringes. The records of the patent office shows that Adair has never patented such a thermostat.

The Davis affidavit is intended to be construed that he had made the Model thermostat while in the employ of the Cyphers Incubator Company, and that company had derived some right from Davis; while, in fact, it was made while Davis was in my employ on experimental work in the Model factory, and at my expense, and all rights were legally assigned to me by Davis when the application for a patent upon it was made. Davis, therefore, had no rights to relinquish, and the Cyphers Incubator Company's pretense that they hold any rights from Davis is a deliberately false statement.

The Curtis affidavit states that they are vigorously prosecuting the infringement proceedings instigated by them on patent No. 530,163, while, in fact, they waited a year after I began the manufacture of the Model Incubator before bringing suit, and had not put in any evidence in their suit to substantiate their claims at the time the affidavit was made. Yet they are using the suit to intimidate my customers.

A DELIBERATE AND MALICIOUS LIE

The further statement that the Model thermostat which is illustrated in their advertisement is the "sole property" of the Cyphers Incubator Company is a deliberate and malicious lie. This manner of attempting to deflect my trade is one method of stealing. If G. M. Curtis, President of the Cyphers Incubator Company, who makes the affidavit and represents the controlling interests in that company, will prove in any court of law the following alleged facts or claims made in the advertisements referred to, I will pay

\$5,000.00 to the American Poultry Association

First—That the Model thermostat infringes any patent that the Cyphers Incubator Company has upon the Adair thermostat.

Second—That Adair or the Cyphers Incubator Company have any patented rights in the thermostat illustrated in his affidavit.

Third—That the Model thermostat illustrated in the Curtis affidavit is the "sole property" of the Cyphers Incubator Company.

Fourth—That the Cyphers Incubator Company had, at date of affidavit, March 15th, put in any evidence to substantiate their claim of infringement of patent No. 530,163, mentioned in their suit, which was brought in October, 1904, and which the affidavit states was "being vigorously prosecuted."

This challenge is open to the Cyphers Incubator Company or its President, and if my statements are

not correct they can establish them as false in a court of law, where facts only are considered and lies are branded with the contempt they deserve.

MALICIOUS PROSECUTION

Before I began manufacturing the Model Incubators designed by me, I obtained the opinion of the highest patent authorities that I could employ, that my Model Incubator was not an infringement of any patent, and especially of the Cyphers Patent No. 530,163. I have the written opinion of Osgood & Davis of Rochester, N. Y., patent attorneys for the Cyphers Incubator Company, that the Cyphers patent is exceedingly narrow in scope, and that it could not be construed to cover the use of porous diaphragms as used in the Cyphers Incubator, which is the issue of the lawsuit.

This opinion by the Cyphers Incubator Company's attorneys was given them a year previous to my withdrawal from that company, and shows that their attorneys were then dishonest in giving it or that the company is now maliciously prosecuting the present suit only to intimidate my customers.

WILL GIVE BOND

This malicious attempt to libel and blackmail my customers from buying incubators from me must fail when these facts are known. I expect to stay in the incubator business, and will most certainly protect every one who buys my incubators from any patent suit or other action which may cause them annoyance or expense. If any purchaser of a Model Incubator has any fear or uneasiness in regard to my right to manufacture and sell the Model, or that it is an infringement upon the Cyphers patent or any other patent issued, I stand ready to give a bond to indemnify and protect such purchasers against all damages, costs, or expenses on account of any infringement or action or proceeding in law or in equity, which may be brought against any purchaser of the Model Incubator on any letters patent owned or controlled by the Cyphers Incubator Company or any other person, firm, or corporation.

Until their present patent suit is dismissed, it is probable that the Cyphers Incubator Company will continue their libelous and blackmailing methods to intimidate intending purchasers of the Model Incubator. I shall take active measures to see that they do not purposely delay the prosecution of that suit and thus terminate their only means of blackmailing my trade.

I WANT YOUR HELP

I am advised that I have no redress or remedy in prosecuting them for damages or restraining the publication of their slanderous and libelous advertisements, as our courts hold that a publication of a libel cannot be enjoined by injunction. I can only proceed against them when I can prove special instances of intimidation or threats by the Cyphers Incubator Company, their agents, or representatives. I will suitably reward any person furnishing me proofs of such threats or intimidation that I may proceed directly against them.

CHARLES A. CYPHERS

Send for Descriptive Catalogue.

Manufacturer of Model Incubators and Brooders. The Best on Earth

301 Henry Street, Buffalo, N. Y.



Rose Lee, a Chicago Winner

Greatest Record in the world ever made by one flock in the same week. **EGGS** \$5 per setting, \$16 per four settings.

150 Breeders For Sale After May 15th

The richest and choicest kind right out of our matings. **Big Bargains** in these birds. Write quick, 36-page catalogue for 2 cent stamp

Scotch Collie Pups For Sale

R. E. HAEGER & CO.

Algonquin, Illinois

JULIUS J. KLEIN.

AMOS A. ANDERSON.

SUNNY SIDE POULTRY FARM

Buff and Barred Plymouth Rocks, Partridge Cochins, Light Brahmas, Embden Geese and Pekin Ducks. Catalogue free.

SUNNY SIDE POULTRY FARM,

Macon, Illinois.

Eggs Eggs Eggs

May is the best month in the year to get a good hatch. **"You had better hurry"** and send for eggs to

BARRED ROCK HEADQUARTERS

For their **great Chicago winners**. Chicago Fancier's Show, Dec. 10-19, 1904; Chicago National Show, Jan. 23-28, 1905; Delavan, Wisconsin, Show, Jan. 23-28, 1905.

Every First Prize on cocks, cockerels and pens at above three shows. More first and second prizes than all competitors combined.

pens at above three shows. More first and second prizes than all competitors combined. **EGGS** \$5 per setting, \$16 per four settings.

Black Langshans.

I won the \$25 Challenge Trophy Cup for highest scoring cock, cockerel, hen and pullet at the great Chicago Heights Show, 1905. Also silver cup for highest scoring pen in Asiatic class. Also won at the Chicago Show, 1904. Stock and eggs for sale. Send for circular and price list.

R. A. HEWES

Box 1, Crete, Ill.

White and Barred Rocks.

Partridge and White Wyandottes, Mammoth White Holland Turkeys and Imperial Pekin Ducks. Our birds are winners at Chicago, Cleveland, Indianapolis and Illinois State Shows. We have three yearling and two young toms at \$5 each. No females. Eggs \$2.50 per 15, \$5 per 40. Turkey eggs \$5 per 12. Write your wants. We guarantee satisfaction or return money.

Stryker Bros.

Box 204, Plainfield, Ill.

Bill Thompson's Brooder

He calls it **THE BUSY BEE**. It's the only real low down brooder made. It has no legs, no platform, no run-way. Chicks run out directly on the ground. Don't buy any kind of a brooder until you investigate this one. Size, 3 feet square. 100 chicks. Price, only \$5.

BUSY BEE INCUBATOR It's the most successful small hatchery sold at a small price ever placed on the market. The walls are double and packed with non-conductor. It is the only small incubator made in this manner. Holds 65 eggs, price only \$8.00. Catalogue free.

GOVERNEUR INCUBATOR CO.

129-141 Factory St., Gouverneur, N. Y.

PURITY STRAIN SINGLE COMB WHITE LEGHORNS

are the greatest egg producers known, one hen having laid by actual record 244 eggs, and many others over the 200 mark. And as for prize winning, they are equal to the best. Eggs from prize pens \$3 per 15, \$5 per 30. From record laying pens \$2.50 per 15, \$4 per 30, \$6 per 100. Mention A. P. J.

JOS. A. BURKHART

Smithsburg, Maryland

State Vice-President National Single Comb White Leghorn Club.

The Best Records of Modern Years

...ARE HELD BY...

Bright's Barred Plymouth Rocks Brown Leghorns

**First Cockerel
First Pen**

**Madison Square Garden
New York, 1905**

**Barred Plymouth
Rocks**

Winning this crowning honor on cockerel for three successive times. Our only attempts. Eleven straight wins on Barred Plymouth Rock cockerels back from date.

Seven out of Ten Firsts at St. Louis Exposition

The largest and most representative show ever held in America. Our Leghorn record here has never been equaled except by us.—four firsts. Our record of 1, 2, 3, 7 on hens against the best winners of this country was the distinctive feature of the Leghorn exhibit. There were others: 1, 2, 4, 7 cocks, 1, 3 pens.

Six out of Ten Firsts at Chicago, 1904

shows the quality of eastern birds and incidentally birds of our raising in western competition. Our wins of 1, 2, 3, 4 cocks; 1, 2, 4 cockerels, as well as 1, 4 and 5 yards on Barred Plymouth Rocks staggered our western competitors, who came loaded for bear. Our Leghorns won practically the same.

Three Hundred Superb Breeding Cockerels for sale at Reasonable Prices.

Nothing would do your male line more good than one of our line-bred males bred from our best producing prize winning sires. Our pullet breeding males gave immense satisfaction last season and will give even better this season. Remember our cracker-jack females can win in the open class, it takes four to win in pen. There's where we win. Brothers and sons of these for sale.

EGGS from our best pens \$5 per sitting, \$25 per 100, as they run. Specially selected setting to suit purchaser \$7 to \$20 per setting. Orders now being booked. Don't fail to get our egg circular price list, etc.

Grove Hill Poultry Yards, Box 410, Waltham, Mass.

Wm. Ellery Bright, Proprietor
A. C. Smith, Superintendent



OLENTANGY CHIEF AND OLENTANGY QUEEN. PRIZE-WINNING PAIR ROSE COMB RHODE ISLAND REDS.
OWNED BY CHAS. C. REID, OLENTANGY POULTRY YARDS, DELAWARE, OHIO.

American Poultry Journal

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

Vol. 36.

Chicago, Ill., May, 1905.

No. 5.

A WINNING COMBINATION.

Some Interesting Facts and Figures Regarding the Income Which May Be Derived From a Small Tract of Land Devoted to the Production of Poultry, Eggs, Vegetables and Fruits—One Man's Actual Experience—A Business in Which the Demand Is Always Greater Than the Supply—Advantages of Such a Life.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal.

We have before us three letters from persons who wish us to give them some information as to how to equip and manage a suburban poultry and vegetable farm. As the poultry and eggs of commerce—the food supply of the people—must be largely produced upon the farms these questions are opportune and the matter one of great importance.

The question of the production of the food supply of the masses is daily becoming more important. The nation's population is rapidly increasing. The non-producing element is increasing in numbers more rapidly than is the producing element. The towns and cities are receiving annually a very considerable portion of the young men and women of the country districts. These people in towns and cities do not produce any of the food supplies necessary to their existence. They are consumers. They must be fed. The product of the poultry yard—the fowls and the eggs are as staple in the home kitchen and upon the table of the rich and the poor—all classes—as is flour. All people must have them.

It would seem, therefore, that the production of fowls and eggs would be a very profitable undertaking. The man who daily has something to sell which the people must and will have is in a position to do a sure and profitable business if he will give it the proper care and attention.

Now, as to the questions of our correspondents. Two of the three wish to conduct the business, in a small way, comparatively, upon small farms, near town. They wish to so equip a few acres of ground that the place will yield them a comfortable living and allow them to place a little money in the savings bank each year.

It is impossible for us to tell these people, in detail, how best for them to do, for we cannot know their situation in detail. Let us consider the question in its broad scope.

We know beyond all doubting that the right man can not only derive a good living, but can yearly lay by a nice sum of money by properly caring for five acres of ground. This man must be a hard worker, a student and a thinker. The yield possibilities of an acre of productive land are wonderful. Intense farming is now the order of the day. The men who are making the money are the men who are farming a few acres intensely, not the ones who are improperly farming many acres.

Five acres of land, properly handled, will yield something which can be sold every day in the year at a good price for cash.

Let us cite a case. This man has six acres of ground, all told. His gross receipts from sale of poultry, eggs, vegetables and fruit, for 1904, was as follows:

Poultry (market and feeding stock).....	\$318.00
Eggs	204.60
265 bushels strawberries.....	628.00
50 bushels raspberries.....	186.00
75 bushels blackberries.....	150.00
50 bushels apples.....	30.00
60 bushels plums.....	90.00
60 bushels early cherries.....	84.00

20 bushels gooseberries.....	40.00
8 bushels currants.....	16.00
400 bushels sweet potatoes.....	240.00
1,200 pounds grapes.....	28.00
60 bushels potatoes.....	36.00
100 bushels turnips.....	20.00
Asparagus	31.50
Tomatoes	12.00
Small vegetables	44.50
Early peas	21.60

Total.....\$2,180.20

All these products were sold in a market not the best—the small town market. This with the exception of the poultry shipped as breeding stock. If this man lived near a large city he could have secured far better prices for his products.

The question which our correspondents would like to have here answered is, "How did he do it?"

By work—work of hands and brain!

What he has accomplished can be accomplished by others. By you.

His stock of poultry consists of one of the American breeds. He chose the variety because it is one which gives him the best market poultry and a goodly number of eggs. He did not expend money unnecessarily in buildings. He built cheap but good houses. He started with a few head of poultry. He secured customers for his output and made it a rule to supply them with the best possible goods. He so managed his business that every customer had full confidence in him. He gave them something extra good, put up in extra good shape, and charged a fair price for it.

With his fruit and vegetables it was the same. He appealed to people's taste for the best, and put up his fruits and vegetables in the most attractive form.

He has found the combination—fruit and poultry—a good one. There are parts of this little farm upon which the poultry is not allowed to run at will. The vegetable garden is open to the little chicks until they get old enough to do it damage. For the first few weeks of their life they are a benefit to the garden, and thrive on the bugs and worms they secure from the soil. They destroy many injurious insects. Thus the vegetable crops as well as the chicks are benefited. When removed from the garden the chicks are placed in the currant and raspberry patch. Here is an ideal place for them—plenty of shade and mulch, an abundance of worms and insects. They do not injure the fruit. Grown fowls would. The growing chicks are allowed full liberty of the asparagus patch and insure a good annual crop by keeping the troublesome asparagus beetle at bay. No fowls or chicks are allowed in the strawberry patch.

The yards where the fowls are kept are planted to fruit trees.

This man has not given the sale of breeding stock and eggs much attention, but will in the future take up that part of the work. He will succeed in this branch of the work, because he is one who would succeed at anything he undertook. And he does it by the simplest process in the world—just "works and thinks it out."

It has taken time to bring this little farm to its present productive condition. The man has been a student as well as a worker. The reports and findings of the government agricultural and horticultural department and state experiment station reports have been carefully studied. The poultry papers have been read thoughtfully.

The land cost \$100 an acre. The house, as originally built, cost \$1,200. The barn and poultry houses represented an expenditure of \$450. The place contained no fruit trees or small fruit plants.

The original setting of trees, plants and shrubs, cost of land, etc., was as follows:

Land.....	\$ 600.00
House.....	1,200.00
Barn and poultry houses.....	450.00
Apple trees.....	12.00
Raspberry canes.....	10.00
Strawberry plants.....	50.00
Plum trees.....	12.50
Cherry trees.....	7.50
Gooseberry and currant bushes.....	5.00
Grape vines.....	15.00
Asparagus roots.....	12.00
Total.....	\$2,374.00

In addition to the sum derived from the sale of the products of the place, the family has derived its living from the land. The children have been receiving a desired education.

We have not credited the land with the milk and butter derived from the Jersey cow, nor the pork which the hogs supply annually. These products have been largely consumed by the family, and represent considerable value.



BARRED PLY. ROCK COCKEREL.

This cockerel is at the head of pen No. 6 in the yards of C. C. Randleman, Ramseur, N. C.

This family have lived well. They have had the best of everything—fruit and vegetables, poultry and eggs. All are happy and in the best of health. The bloom of health is on the cheeks of the wife and children. The husband is content with his lot, his desire being, of course, to cause the place to yield more heavily each succeeding year.

Examine these figures in a cold business way, and you will find that as a business venture this little farm deal has been a great success—measured solely by business rules. But that is not the best reward that has come to this father and mother. They and the happy, romping children have been living near to nature, in God's sunshine and pure air, and the trees and the flowers and the fruit and the birds have daily been preaching to them the sermons which tell of God's goodness to man.

In the future we will find that such farms will be more numerous than they are now, because the demand for the products of such farms will be greater.

It is a business proposition well worthy the careful consideration of all who have a liking for such a life.

THOS. F. RIGG.

SUCCESS WITH BROODERS.

Some Valuable Hints on the Successful Rearing of Chicks in Brooders.

Success with brooders, as in any other line of business, demands some experience. Many people read the glowing articles written and wish to start into the poultry business who have seldom seen a chicken, old or young, except as it came from the market ready dressed for the table. To such I would say go slow. Procure you a half-dozen or more hens of as little value as possible, let them be healthy and good layers, then make brooders out of these. Read all you can about chickens, and learn all you can from your chickens, yet if you kill half of your flock your loss is small, and if your taste for the business continues the experience gained is invaluable.

Now, when you have some knowledge of chicken life procure a brooder. A home-made one does very well to experiment with, provided it is a good one—that is, one which you can regulate the heat as needed, provides some mode of ventilation and has good light so the chickens may have the sunshine. Have your brooder roomy, so your chickens are not forced into outside runs in order to turn around. Have a small hover in your brooder since it is chicken nature to cuddle under such to sleep and rest, but do not have more than from a fourth to an eighth of your warm space taken up.

I like top heat from hot-water pipes best, yet I have had excellent success with just jugs filled with boiling water placed in a closed box with one glass window when this was kept in a room slightly warmed during very cold weather. Then I have used warm, dry air for heat, which was so arranged that I produced side heat principally, although a portion of the heat passed over head, while at the same time the floor was never cold. I could find no fault with this so long as I did not overcrowd my brooder.

I have been accustomed to growing chickens the greater portion of my life and have been experimenting with brooder for the past three years; also, I have been watching the experience of others. When I have had but small broods I raised my chickens nearly without loss, but when I approached the number of chickens my brooder was supposed to care for I had to watch night and day or there was trouble.

When small broods were under the hover at night and the temperature lowered towards morning, as is its habit, my pets cuddled together and were warm and happy in Mother Nature's own way, with the heat from their own bodies added to that coming from the now feeble lamp, and came to breakfast as happy and hearty as though I had slept with the regulator in my fingers.

It was quite different with larger broods. When the temperature lowers but slightly the outside ones begin to crowd to the center, which is already full. The little ones are never thoughtful about stepping on each other, but seem to prefer hovering two or three deep provided each can stand on the top of the pile. The consequences are that those trampled down are killed, while those remaining are so piled up they sweat until it weakens them, making them catch cold. These come to breakfast with colds, followed by bowel trouble and puny dwindlings or death as a result not of wrong heating or wrongful feeding, but of overcrowding. There are many articles written about brooder chickens, but all lead one to suppose that he must expect much loss in brooding as much anyway as with the mother hen.

My experience does not agree with this. The loss of good, healthy chicks may be reduced to a merely nominal number when proper attention is given to space, heat, ventilation, cleanliness and proper feeding. Men and women have been giving us the benefit of their knowledge and experience in new inventions until as far as heat, ventilation and cleanliness are concerned there seems nothing to desire, and yet that the greatest success is not attained, none will deny. All realize without question that chickens as well as children depend upon the oxygen in the air for breath, hence the air in the brooder must be continually renewed and the carbonized air as continually removed. It is just as well understood that the brooder must be kept so thoroughly clean that no offensive odor strikes the most sensitive nose. Most people believe that top heat, which is as nearly regular as modern appliances, will make it, is best, yet in the last number of my POULTRY JOURNAL I see the call for something better in the way of heating. I believe that the heating of brooders is as nearly perfect now as it will ever be. While the cry is for better heating, it should be for better spacing. The proper space allowed each chicken is the least understood.

First twenty-five, but never more than thirty-five, chickens

should be placed in one brood, and they should have as much floor room as is usually allowed to a hundred chickens. Methinks I see some good brother or sister poultryman hold up their hands in horror at the extra expense that would entail. Well, friends, it can be arranged with no more expense than formerly if brooders are constructed with that thought in view. All realize that the greatest loss is from overcrowding and tramping down of chickens, and the overheating, as a result of the crowding, which in turn is the mother of colds and bowel trouble in brooder chickens. Those who have had my experience with as few as twenty-five chickens in an ordinary sized brooder built for a hundred will tell you they never saw chickens grow as fast nor do so well in the same time under any other circumstances.

The only question in the minds of the people is the cost of

temperature with no check in growth or loss of vitality. The next point is absolute cleanliness. With such large runways for my chickens, littered with chaff, cut straw cleaning from once to twice a week is all that is required to keep them pure and sweet smelling. We have our brooder well heated when our chickens are hatched and quietly place about twenty-five in a brood under each hover and leave them entirely alone until from twenty-four to thirty-six hours old, or until they show a desire to eat.

Pure, fresh water must be before them at all times, supplied in some kind of a drinking fountain. No difference whether patented or home-made, just so it keeps the chickens dry outside and wet within. Chickens never thrive so well if allowed to get their feathers wet while drinking. I feed rolled oats for the first few days, placing just what they will pick up clean on



WHITE PLYMOUTH ROCKS, AS BRED BY U. R. FISHEL, HOPE, IND.

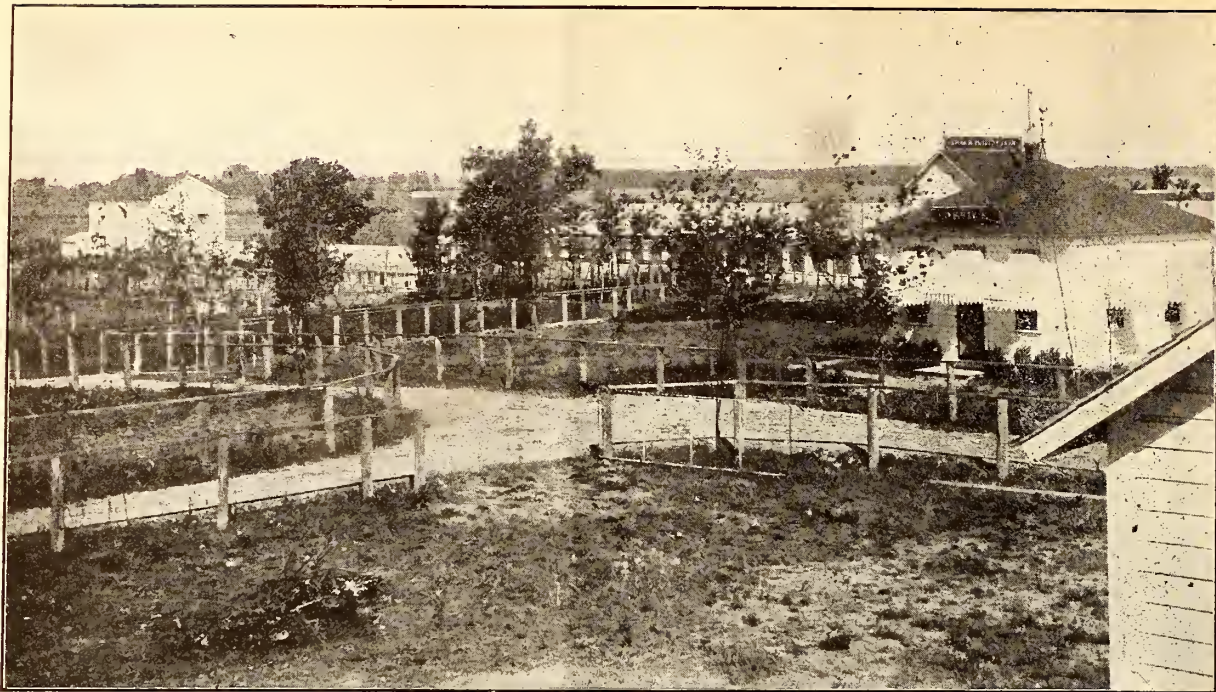
the heat and the amount of floor space taken by the ordinary sized brooders to accommodate many chickens with so much space allowed each twenty-five. I shall raise my chickens this season in a brooder built with the thought of greater space and very small broods in view. My brooder will accommodate two hundred chickens and will cost but very little if any more for heat than the brooder in common use now, nor will it take up more than three square feet more floor room. I use hot-water heating and good ventilation with no direct draft to chill my chickens, and expect to raise every chicken hatched with sufficient vitality to live under any possible condition.

The care, other than feeding needed by chickens so accommodated, is very small, and after the first few days it should be gradually reduced so they may become accustomed to lower

their feeding pans every two hours at first.

After they are somewhat older five times a day will be often enough to feed; that is, early in the morning, middle of forenoon, noon, middle of afternoon, and just before they go to roost at night. When the chickens are from three to five days old, I alternate my oatmeal feeds with bread baked from cornmeal mixed with milk to which salt and soda are added to make it light and healthful. I sometimes use equal parts of cornmeal, wheat bran and shipstuff. While this seems a better balanced ration, it does not crumble so readily and more of it must be moistened with water before it can be fed, hence I do not like it so well as a regular feed and take the place of the bran and shipstuff as much as may be with other things.

As soon as the chickens are through eating, the trays should



Scenes on the Emma B. Poultry Farm, Gurnee, Ill., showing office, nursery and hot water brooding house.

be removed and a few grains of millet or other small seed that chickens love scattered in the floor litter for the baby biddies to scratch for. In from ten to twelve weeks the oatmeal may be entirely left out and its place taken by cane seed, cracked wheat and corn.

It is chicken nature to grind their own food, therefore, I think, we cannot be too careful to give them this goodly portion of pure grain. After they are six weeks old it ought to be supplied them in self-feeders, as they can eat all they want as often as they desire without wasting any feed, yet they must have soft feed added each day if we wish to crowd them ready for market as profitable broilers. All our conditions must be as nearly natural as possible, therefore we must give them teeth. The first two weeks give pulverized egg shells on their feed trays not with their feed, but alone. A little pan of seed and fine gravel placed in one side of the run is very good. Some advocate mixing grit with the feed, but since it is chicken nature to eat grit, instinct gives them better judgment of the quantity than we can have when we mix it for them.

Another great mistake made in feeding is the lack of green feed. When I remove a flock of brooder chicks to a grassy spot in early spring where the sun shines warmly and the wind does not blow, the first thing they do is to pick off all the tender shoots of grass and sprouting seed they can find. This shows their need of such feed. We cannot all have lettuce and young onions for our midwinter chickens, but we can have all the cabbage, turnips, potatoes or apples chopped fine that they can eat. I like to mix some of this with their soft feed, as it saves time that way.

One may use the prepared grits and oyster shell, the concentrated feed, blood meal, beef scraps, etc., if they choose, but I think the greater profits are derived from using the feeds the average poultryman has no trouble in supplying from his own farm. In this article I have given nothing, but may be so supplied, and in my work I use no others and cannot see but that I have as good success in feeding as others with the prepared food stuffs.

Flora, Ill.

Mrs. M. T. Snyder.



SCENES ON THE EMMA B. POULTRY FARM, GURNEE, ILL.

Colony houses 10x20, divided into two pens, making thirty pens 10x10; with yards attached, 35x185. All grass run, water piped into every house. For young stock.

LINE BREEDING.

The Proper Methods to Pursue in this Very Important Part of Chicken Raising

There are two ways of breeding live stock of any kind: The scientific—the way that demands methods—and the pioneer's way—without method or any system whatever. The former is the scholastic way; the latter the illiterate one.

In 1865 there was not more than a score of breeders in this country who were cultivating poultry by the inbreeding system, and these few were laughed at, considered extremely foolish, denounced as "poultry quacks" and their work a system of humbuggery and inimicable to their infantile industry, but breeding to a line of sires is regarded now as the only true way of conserving the type peculiarities of a breed and all foremost culturists of fowls are recognizing its absolute importance to the welfare, the advancement of the industry. I have lived to see breeders by the hundreds, as it were, come over to the ranks of inbreeders who had always opposed inbreeding. Many of them had the manliness to acknowledge they were formerly in error in the matter, but having come into a better understanding of it gladly announce their affiliation with the line-breeders. But the method: what is the best way to propagate fowls by the line?

The methods presented by all inbreeders are very much the same in all salient features, varying only in the lesser ones.

I have my own way; some of it original, some borrowed. It is simple, but proves very satisfactory when followed to conclusions.

Select a male that has these proprieties strongly expressed: Constitutional, vigor of undoubted quality; type form native to the breed, expression and temperament, plumage best representing the variety of the breed in its highest state of perfection, productiveness as seen in its sires and dams for generations back when at all ascertainable. Indeed, this is an important consideration in the founding of a line for practicality must enter into this business or it cannot flourish. The very first thing to look for is the one first named. Constitution defensive qualities against bird ailments and a power to transmit this likeness is importantly imperative. If you were compelled to hunt a year to find this quality to suit you, better to search that long and get the blood than go ahead without it.

quisition. Too many breeders carelessly ignore the peculiarities which differentiate and stamp one family of fowl from another and breed away from the original toward an individual ideal of their own.

The necessity of obtaining every good quality possible in this foundation blood cannot be urged too strongly nor too persistently. Begin with defects and defects will multiply in



WHITE HOLLAND TURKEY.

This is a fair representative of the quality of stock raised on the Allyn Poultry Farm, Delavan, Wis.

his descendants and the line will be unworthy from the beginning to the ending. A hundred dollar male is cheap, if he is pretty nearly right in every section. From 12 to 15 months old is the best age, as if he is much older the chances of breeding in to him the second or third time are lessened, if much younger he may not be as strong, and strength is the support of the line.

I select a female of just about the same age required of the male, and one that has not a particle of the blood involved in her consort. Why? Because I build two strains from the pair. For this reason I obtain a female that is not older than the male in order that she may breed into the second and third times as is done with the foundation sire. In this female I have a foundation dam. All the essentials required in the male must be originally expressed in this foundation dam, she is to mother a sire of her own.

Pay \$50 or more for her if necessary, if you see in her what you absolutely must secure, or abandon the whole business. I prefer she shall be of a different type from the male or when I have established two lines I shall be able to infuse different type blood from one line to the other; besides some fanciers prefer the low, blocky somewhat Cochins type to the other one of a more sprightly and longer sectioned fowl, no matter what the breed or variety. This is not saying the one is better than the other but this much is essential: the type as expressed in the origin of the fowl to be line-bred should be sought out and cultivated in order for the perpetuity of breed peculiarities.

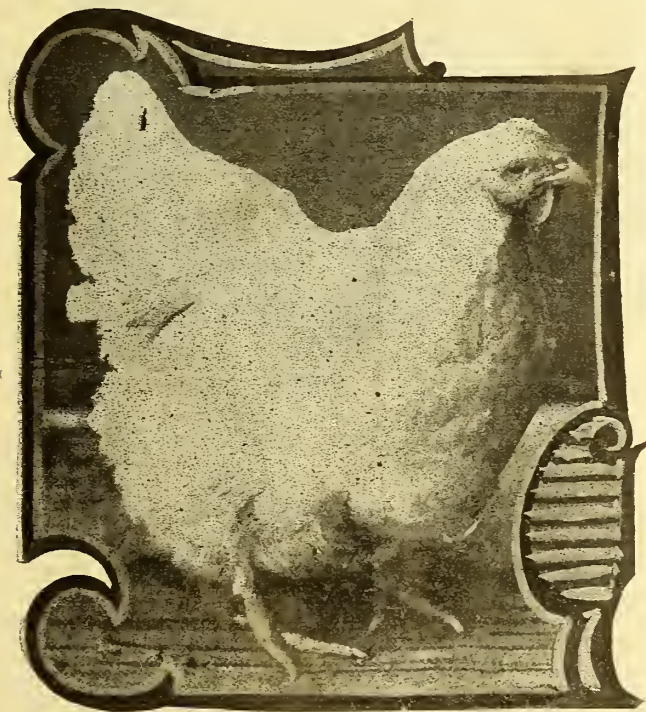
We now have a pair as worthy as one can secure, and as early as consistent with season and climate proceed to get out the chicks. If too early in a vigorous climate, the young will not do as well as they would later on, say March or April. In the southern states or on the Pacific coast they may be brought out in January, February. I name my male "Ulysses," the female "Penelope."

FIRST YEAR.

The first year one half-bloods of Ulysses' line and half of Penelope's. The cockerels, however, partake more of the latter and the pullets of the former, both in form and color, allowing each parent to be equally prepotent. Here the breeder begins his pedigree record. To be reliable in the approaching years, it must be exactly true. The young must be marked and the mark registered while the young are but chicks, and the marks looked to often to see that they are not outgrown or otherwise obliterated.

SECOND YEAR.

Reserve one of the best pairs of chicks for emergency. Mate sire to the best pullet of the lot, and one that bears marks of



WHITE WYANDOTTE FEMALE.

The kind of White Wyandottes bred by J. C. Fishel & Son, Hope, Ind.

I want to emphasize this. Better to not attempt breeding at all than to use weak impotent stuff.

Next in point of value is type expression. You want fixed form ultimately and that form must be in accord with the re-

having been well stamped by him. Don't use more than one pullet for line purpose, and she the best in most particulars—expression, vigor, form, color and laying qualities. This pullet should be at least twelve months old.

Mate a cockerel that most resembles dam and one that has constitutional property, form, color, expression, and as many other essentials witnessed in dam, to her, when he is at least 11 months of age, and not sooner.

From the breeding back to sire we obtain blood that is three fourths his; from the reunion of dam with her son, blood three fourths hers.

You have also mated the half and half cockerel and pullet, which were the result of first union, and they have given you chicks in no way changed in blood cells, but they have carried the blood along ready to use in case of loss of the original pair or one thereof.

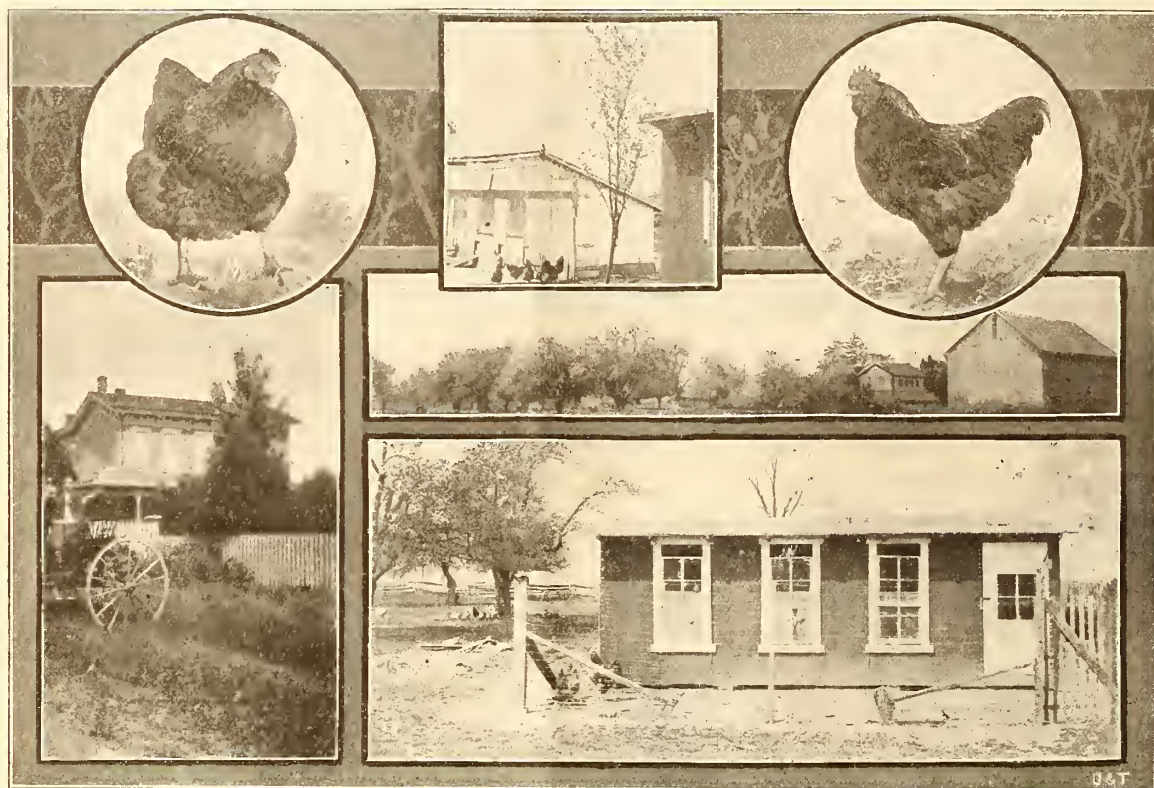
THIRD YEAR.

Your first pair are getting on in years, but are not old by any means and you again take the best three-fourths blood pullet and sex her with her grand-sire, the resulting progeny being now $\frac{7}{8}$ of the Ulysses' line; and place the best cockerel that is $\frac{3}{4}$ the blood of Penelope to her, his grandmother, producing progeny $\frac{7}{8}$ the Penelope line. And for the second time

away from home to do so. Is not this better than trusting to a "guess-so" purchase, and one that may ruin our established line?

Such breeding is systematically methodical. It is scientific. It is the only safe way to handle thoroughbred fowls. Once established these two lines will furnish the fancier and the thoroughbred breeder with all the material right at home for continuing them indefinitely. This is a value. He knows how these hens have been breeding and how they will continue to breed as long as he desires. Can this be said of the breeder who annually introduces new cock blood? Not at all. He never knows whether the infusion is going to better or make worse his stock. I have seen home stock absolutely ruined by purchasing what was purported to be royal stuff and which was paid for accordingly. The line breeder knows what he is striving for—what peculiarities he wishes to perpetuate; what characteristics he must contend with and mate against. His purchased cock may be the progeny of parents that were bred for characteristics foreign to the desires of the line breeder.

The soils of a farm may differ—some weak, some strong; the careful farmer knows where to strengthen and build up. Given strange soil, one must learn it. Given strange fowl



HOME OF BUFF ORPINGTONS.

Scenes on the farm of C. S. Byers, the Orpington specialist, Hazelrigg, Ind.

you mate brother and sister that are half bloods. This must be done always for reserve stock.

Is not this all simple enough? The little trouble it occasions should be considered a work of love—at least a pleasure and fascination. If the interbreeding is desired to be carried further, a half blood cockerel may be used with a $\frac{7}{8}$ pullet, and a cockerel, which would result in giving the breeder chicks 11-16ths of each line, because $\frac{7}{8}$ blood equals 14-16ths, and one-half blood, 8-16ths and one-half of 14-16ths plus one-half of one-half or one-half of 8-16ths, or 4-16ths, equals 11-16ths. This is good blood. I like it better than 15-16ths, which could be obtained by breeding back the fourth year.

But most breeders who follow line work prefer the $\frac{7}{8}$'s blood and claim it is far enough to go. This will depend much upon conditions, the breeder will readily call without mention here. Still, I have in my yards today a 15-16's Barred Rock hen that shows as much constitution and prolificacy as any of the ancestors preceding her. Indeed, she has much resemblance to a good Indian Game hen in form.

The foregoing simple work will give stock consisting of two lines and they can be drawn upon one to the other as long as the breeder wishes to cultivate fowls and without going

or fowls from a yard foreign to one's own and they have to be learned. The only way to breed fowls to perfection and to know all the time what one is doing and may expect of certain specified reunions is to breed from one's own line; or, as above, lines. Better two than one line.

Uniform flocks cannot be bred year after year in any other way than by a method similar to the foregoing, or truly like it.

I have followed line breeding for 16 of the 47 years I have cultivated thoroughbreds and am sorry I did not know the benefits of systematic work therein long before. I have taken more satisfaction and pleasure in cultivating our feathered friends in these years than in all the years previous, ten times told, and more money.

I am an advocate of single hen mating. We get greater uniformity thereby and can retain the progeny from the hen that breeds best and lays best, besides it is much easier to follow the line system.

By breeding two lines and having them as different as consistent with standard requisitions, the breeder can always have infusion that counts for constitution, prolificacy, remuneration.

Some foundation birds will not stand for good descendants beyond the seven-eighths blood; others will produce good stock beyond fifteen-sixteenths. This prepotency of the foundation blood must be considered so that interbreeding may not be carried too far.

Atavism shows itself strong in the second inbreeding, by which is meant tendency to revert to grand and great grand parentage, of course.

San Diego, Cal.

S. L. ROBERTS.

TRAP NESTS—PEDIGREE BREEDING.

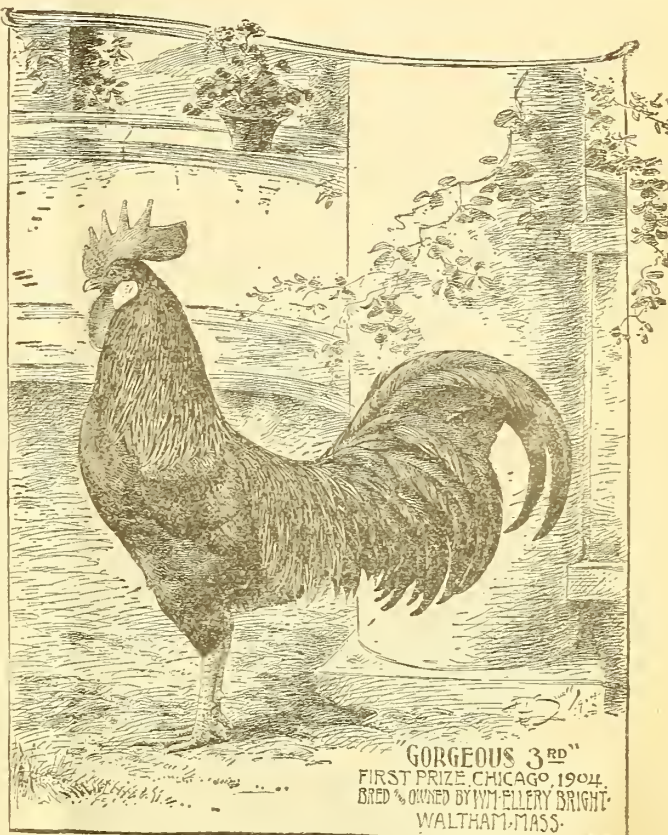
The fact that the trap nest has come to stay is apparent to all careful students of modern poultry culture. Whether it be in the production of superior quality for layers, for market or for exhibition an accurate pedigree of each specimen is required, and for this purpose the trap nest has become an actual necessity. True it is, that by mating in pairs one can accomplish this result, but few breeders are in a position to mate their birds that way, and practical poultry raisers would not go to the expense and bother of housing and caring for their breeders by that system.

The trap nest enables one to keep from eight to twelve or more hens with each male bird and yet keep as accurate a pedigree of each individual hen's chicks as though they were penned off in separate breeding pens and mated in pairs. Besides with the use of the trap nest one can mate a full pen of females to his best male instead of only a few at most, as in the other case.

Accurate trap nests turn the breeding pens into individual matings with the least possible inconvenience to the poultry keeper, whether he be breeding for the market or fancy. The false idea that the trap nest requires such a great amount of extra work as to be impractical for the great majority has been the means of preventing a great many from attempting pedigree breeding and record keeping, but, while this might

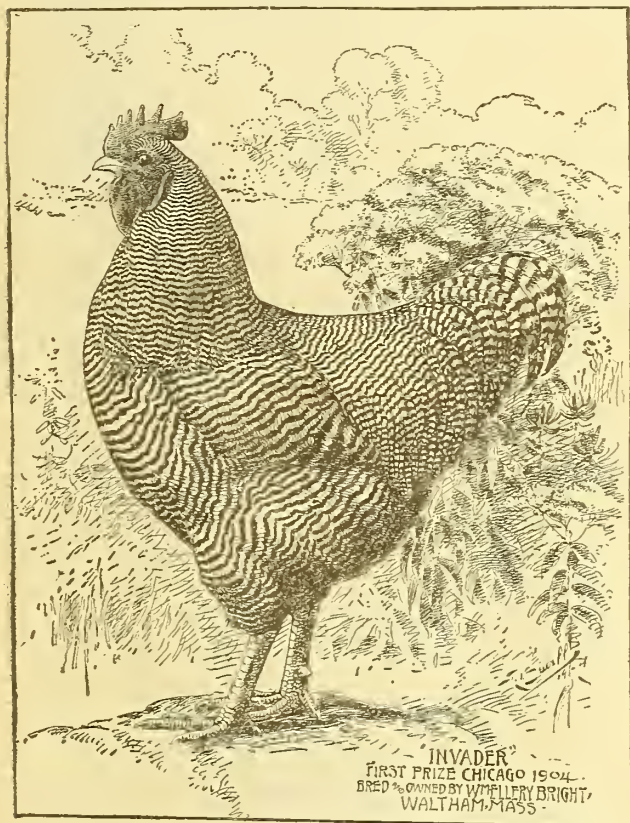
The only class of poultry keepers to whom the trap nest is of no value is the class composed of people who are contented to breed the same quality of stock year after year. To the true fancier and aggressive poultry breeder who is striving each year by careful selections and proper matings to have his flock each coming season excel anything he has been able to produce in the past, the accurate trap nest is of untold value.

I have devoted a number of years to careful study of pedi-



S. C. BROWN LEGHORN "GORGEOUS 3RD."

"Georgous 3rd," first prize Chicago cockerel, 1904; also first prize St. Louis cock, 1904, sold for over \$100. Grove Hill Poultry Yards, Waltham, Mass., has the sire and grandsire of "Georgous 3rd" and both of these males head two of their yards this season.



BARRED PLYMOUTH ROCK COCKEREL "INVADER."

"Invader" is first prize cockerel Chicago, 1904, and a full brother to first prize cockerel New York, 1905. Grove Hill Poultry Yards, Waltham, Mass., has the sire and dam of "Invader," and they are in the breeding yards for this season.

be true with some methods which have been used to a limited extent, it is not necessarily the case when a good trap nest of proper construction is used. In fact, the time required in keeping the pedigree of the eggs of a few breeding pens of fowls is not worth mentioning compared to the advantages accruing from the practice.

gree matings under different methods. When I first took up poultry breeding I was at that time unable to do much of anything else, and because of the pleasure I found in the care of the fowls I was with them the greater part of the time. In the spring of the year, when saving eggs for hatching, I became interested in watching the differences in the different hens' eggs, and, like many others, began keeping records of the individual hens by learning as best I could the individuality of each hen's eggs. Having only from four to six females in a pen that year I soon had records started for every hen I had. I spent so much of my time with them that I gathered a goodly portion of the eggs just as they were laid and marked them with the hen's leg band numbers, so I could set them separately and keep pedigrees of the chickens, and so find out which hens gave me the best stock. Well, I found out several things before I had studied those hens and their eggs very long. One of the first things I learned was that most of those hens didn't lay an egg uniform enough in size, shape and color for me to be sure which of the hens laid a certain egg without seeing her lay it, and I could readily see then how a little knowledge of a flock might give one a very different impression than a thorough knowledge would. When I started my records I went on the supposition that I could tell the hens' eggs apart and that I could depend on them laying in the same certain nests pretty regular, but I did not care for them that way long before I was fully convinced that the only accurate way of keeping a pedigree of each bird was to gather the eggs just as laid or have some scheme for keeping the hen separated from the flock while she was laying each time. My knowledge thus gained by almost constant watching from 10 o'clock in the morning until 2 o'clock in the afternoon compelled me to discard from one-third to one-half of all the eggs laid as being doubtful, but as I was doing the work more for my health at that time than for the compensation

I would gain from it in a financial way I did not care to raise a great many chickens. Afterwards, when I began to get interested in poultry breeding for a livelihood, I found this method of tracing the pedigree of my fowls altogether too exacting upon the time at my disposal, and the first trap nest plan I saw advertised to any extent was purchased and trap nests placed in the poultry houses. As time went on and I began to note an improvement in the uniformity of the quality of my strain, I found that many of the hens laid eggs which at times resembled each other so closely as to make it practically impossible to tell the difference except with the use of an accurate trap nest, and at times the color, size and conformation of certain hen's eggs would be so changed from the kind they would lay at other times as to be entirely unrecognizable as their individual product without the aid of the trap nest or accurate personal knowledge as to which hen laid them.

My experience in record keeping has given me pretty firm convictions as to the great value of pedigree breeding in the production of superior quality in thoroughbred fowls, whether it be for business or beauty, or both combined. The trap nest has taught me considerable about my flock which I should no doubt be ignorant of today had I been without it. It has



RHODE ISLAND RED PULLET.

Winner of second prize at World's Fair, St. Louis. Bred and owned by C. N. Hansen, Warsaw, Ky.

not only shown the hens which laid the best, but has shown the average good layers, the poor layers and the hens which did not lay at all. It has revealed the fact that some hens are hypocritical enough (if I may use the term in this sense) to go through the act of laying, visiting the nest regularly each day, without depositing an egg to their credit, although without the trap nest they would certainly be credited with laying regularly. The trap nest enables me to breed from not only my best laying hens, but from the choicest and most vigorous of my best laying hens' sons; it enables me to ascertain which hens produce for me the most uniform quality in their chicks as layers, as market fowls and as exhibition stock. In fact, the trap nest, together with carefully kept records, gives me a knowledge of the breeding value of each individual fowl, which enables me to so mate my breeding stock each year as to be sure of real improvement in the quality of each succeeding generation of their progeny.

The nest I am at present using is "The Ideal Trap Nest," and I like it the best of any I have tried because of its simplicity, accuracy and convenience in handling. It takes up no more room than an ordinary nest, and when not used for a trap nest makes an ideal open nest and the best I have ever known anything about for preventing egg eating. I consider it worth all it costs just for an open nest, even though it was not wanted for pedigree breeding or record keeping. It is in reality a closed nest whether used as a trap or an open nest, and therein lies much of its value. The hen while laying is in the sought for seclusion from the flock and after leaving

the nest the egg remains in that seclusion, thus avoiding the liability of the flock contracting the deplorable habit of eating their own eggs. Another point of peculiar value is that it can be changed from an open nest to a trap nest or vice versa almost as quick as to reset it, the way I use it. I have been so well pleased with it that I have no inclination to look further for my ideal in a trap nest; for that reason I mention the matter in this connection for the benefit of those who have been disappointed, if not disgusted, with the trap nests they have become familiar with. Some of my experiences with trap nests before I bought the plan of the "Ideal" were anything but encouraging to one who had his heart set on accurate pedigree breeding. One nest in particular required from two to three times the time and attention that the "Ideal" does to give me accurate records of each hen's eggs.

While I appreciate a choice fowl as much as any one, I place a much higher value on a choice specimen when I have an accurate knowledge of its pedigree for several generations back, and this extra value is real and actual worth to me, as my experience in pedigree breeding has taught me time and time again. No fowl can be mated to best advantage without an accurate knowledge of the quality of the ancestry from which it has descended.

The production of the best in pure bred poultry lies close along the line of the best modern trap nests and accurate pedigree breeding. The tendency of the times is towards more scientific methods in poultry culture, which in plain English means a more accurate knowledge of the causes and forces which make for the production of the highest standards to be obtained in pure bred fowls.

VICTOR D. CANEDAY.

Taylor's Falls, Minn.

PREVENTION OF GAPES IN YOUNG CHICKS.

The old saying that "an ounce of prevention is worth a pound of cure" is certainly true in this disease of young chickens. As I have had the chicken fever for over a quarter of a century my experience might be of some value to a beginner. When I first tried my hand at raising chickens I would always loose quite a number with the gapes. As a person can profit by experience (which by the way is a high-priced teacher) and by reading the experience of others I found myself no exception to the rule.

When the gapes would put in an appearance I was always ready to try every new remedy I chanced to hear of. One of the first cures I remember of hearing was to take a handful of air slacked lime, putting the same into a tight box, give the box a shake, then insert the chick as quick as possible for a moment and remove. As I had a brood of White Face Black Spanish at the time affected with the dread disease I thought I would try it on one. I did so and succeeded in curing the gapes, but upon examination I found the chicken had lost the sight of one eye in the operation. Next I was told by blowing tobacco smoke down the windpipe that would kill the worm. I tried that treatment on a young game. The smoke killed the worm all right and the chick went the same route a moment later. Then I read that by not depositing the droppings where the young chicks could get to scratch in them it would have the desired effect of preventing the gapes. I tried that and found I was not troubled so bad as formerly. Next I was told that by feeding cornmeal it would cause the gapes. As we used to use it quite extensively I quit it and found we had better luck in not losing so many chicks. Then I was told if the mother hen was troubled with lice that would cause the chicks to have the gapes. I gave that matter some attention with satisfactory results. Then I heard that dampness was a breeder of gapes, so I gave that some consideration and received further benefits by keeping the chicks dry.

I don't think I have lost a dozen chicks from the gapes in the last five years, and by observing the following I am no longer troubled with the gapes:

First—Keep the hen house and fowls free from lice and the runs in a sanitary condition, having no manure heaps of chicken droppings for the chicks to scratch in.

Second—When you set the hen to give her a fresh nest with new straw in same.

Third—When the chicks hatch to put them and the hen in a nice dry place, where the hen can dust herself and the chicks will be kept dry in damp weather.

Fourth—By feeding chop feed for soft feed in place of cornmeal, and only to feed what they will eat up readily with a relish, as I think if feed is allowed to remain where the chicks run over it it not only becomes sour and not fit for them to eat, but they also will become tired of it quicker and on the whole will not eat as much.

I also think the greater variety of food you give them the

better they will do, and I think one of the best preventives against any disease is to keep the flock in a good, healthy, growing condition; also to remove the hen and chickens often to fresh ground is good, as the earth will become foul where they are kept if not kept cleaned out and fresh earth replaced. By following the above rules I didn't have a case of gapes last year in a flock of about 70 which I raised.

J. MILL.

Mt. Vernon, Ohio.

BROODER CHICKS.

This subject seems never exhausted, but we have been so successful with raising brooder chicks we feel almost like we were the real "know it all," and still we might yet learn volumes. We found by expensive experience that a good brooder was an absolute necessity, so that is what we have now. It is an outdoor brooder, but for our February and March hatches we use it in a nice warm building with good tight floor. We have the brooder thoroughly cleaned and warmed; temperature at 90 degrees; floor thickly covered with chaff. When chicks are about 48 hours old they are put in here, about 75 to a 200-chick brooder. Here we leave them to rest and become acquainted with their new home for about 10 or 12 hours. Then we put in drinking barrels filled with slightly warmed sweet milk, grit pans filled with fine pearl grit and feed pans with either dry corn chop, chopped wheat or steel cut oats. We feed them about four times a day until one week old, using the dry chopped grain with plenty of milk, water and grit. Then we begin to throw them a little fresh cut green bone (and let me say right here that if I have a hobby in the chicken business it is fresh cut green bone). When they are three or four weeks old they have all they will eat once a day with the different chopped grains, with whole wheat and Kaffir corn as a grain diet.

We chop potatoes, cabbage or any convenient vegetable for green food, but we never feed sloppy foods or mashies to young chicks, but do emphasize the use of plenty of sweet milk and fresh cut green bone along with plenty of clean water. Keep constantly before them plenty of grit and charcoal, and as far as feeding is concerned your chicks are going to grow to be healthy and happy, if you keep everything connected with brooder and breeding perfectly clean. Reduce temperature in brooder to 75 after first week and about 60 fourth week. After first week we open the brooder door and allow chicks the run of the rooms and to go back into brooder at will. When six weeks old they roost in a box in the run without artificial heat. If weather is at all pleasant they are put out in colony houses on the grass, for they are by this time pretty well covered with feathers, and at nine weeks old we have had them weigh one and one-half pounds, well feathered and ready for a slow western market.

MRS. D. M. JOHN.

Joplin, Mo.

THE REARING OF CHICKS.

Clean quarters, shade, pure fresh water and judicious feeding are the chief essentials of chick raising. Of course, by this time, the chicks are in most cases all hatched and past the critical period, or first two weeks of their lives. The question now arises, what must be done with them in order to produce hardy and well-matured breeders for next season's pens.

In the first place see that they have clean and airy quarters. There are a great many different styles of brood-coops now in use that are proving satisfactory, but the object should be to have them so constructed as to be always dry, well ventilated and of ample size for the number of chicks housed in them. By whitewashing the interior of these coops and cleaning them every other day or so the house problem is solved in the easiest manner, for one seldom, if ever, sees lice or vermin where strict cleanliness prevails.

The subject of shade is an important one and must not be overlooked. On the largest poultry farms shade is obtained by planting fruit trees in the yards and runs. This is, perhaps, the best method, but where it is not practicable mammoth sunflowers planted in the same way as corn will answer the purpose as well, if not better. The ripe seed also will be of great benefit to the poultry.

Cool, clean water is undoubtedly more essential to our growing stock than even feed. Still this is a matter often attended to with the utmost carelessness. The water fountains are allowed to get rusty and slimy, and the water allowed to remain in the hot sun, unchanged for days at a time. Where such conditions exist it is no wonder that we

so often hear complaints of the chicks not doing well. Ample sized earthen or stoneware fountains are about the best for general use, as they are easily kept clean and they seem to keep the water cooler than tin fountains. By setting them in a shaded place and refilling twice a day during the hot months no difficulty will be found in having the water supply pure and fresh.

Feed for the chicks during their growing period should consist largely of solid grains, such as cracked or whole wheat, barley, oats and cracked corn. Care must be taken not to overfeed and at the same time not to starve them. It will readily be found that chicks prefer a variety in their feed. Animal meal or cut bone may be fed occasionally, especially where bugs and insects are scarce. Green food has come to be recognized as an absolute necessity. An abundant supply may be had by sowing clover early in the season or later by sowing lettuce or rye. If the chicks



PRINCE GOLD DUST I.

Buff Plymouth Rock male that heads pen No. 22 in the yards of H. P. Rankin, Hartington, Neb.

have free range and ready access to good sharp gravel no other grit will be needed. Otherwise, however, it will be necessary to provide some of the prepared grit sold on the market.

The foregoing suggestions are of equal importance for all maturing stock, whether intended for the breeding pen, show room or market. If success is what we are after it will be found necessary to continually study the conditions and needs of our flock and to give them the best care possible.

W. H. VOELKER.

Winona, Minn.

H. W. Collingwood says a bushel of wheat, costing 90 cents, will feed a hen for 300 days. If she lays 100 eggs, worth two cents each, she will increase the value of the wheat to \$2, which is enough to haul one ton of freight 250 miles, or to haul one passenger 80 miles. After she has done all this she will return 25 cents' worth of the fertilizing value of the wheat to the soil for another crop.

Feeding cooked or steamed clover hay prevents soft-shelled eggs.

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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide circulation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Advertising rates are sent upon request.

35,000 A. P. J.'s for May, 1905.

State of Illinois, County of Cook, ss.

Chicago, April 27, 1905.

James W. Bell, manager of the Recorder Publishing Company, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding thirty-five thousand copies of the May, 1905, issue.

JAMES W. BELL.

Subscribed and sworn to before me this 27th day of April, 1905.

BLANCHE ELDER EDDY,
Notary Public.

GUARANTEED SUBSCRIBERS.

To our subscribers the display advertisers of the American Poultry Journal are guaranteed; that is, if any advertiser using display space in these columns is proved to be a swindler, the American Poultry Journal will make good to the subscriber the amount lost. We do not guarantee that men in good standing shall agree in their opinions; we do not guarantee nature against infertile eggs, but we do agree that in case a downright swindler succeeds in swindling a subscriber, we will reimburse that subscriber and publish the rascality of the swindler. We ask, in consideration of this guarantee, that our subscribers, when writing to an American Poultry Journal advertiser, say, in every case, "Saw your ad in the American Poultry Journal." In no case will this be to your disadvantage, while in many cases it may serve you well. In either event we shall be obliged to you.

The American Poultry Association Extra Meeting.

At the twenty-ninth annual meeting of the American Poultry Association at Minneapolis, Minn., the breed of fowls heretofore known as Rose Comb Rhode Island Reds was admitted to the Standard of Perfection under the name of American Reds. The description adopted differed in many respects from that of the Single Comb Rhode Island Reds. The committee on publication was instructed to give the newly admitted variety a place in the new standard now being printed. This action at Minneapolis met with much opposition from many of the breeders of Rhode Island Reds, who were not present at the regular meeting. After much discussion through correspondence and in the poultry press, it crystalized into a call, signed by more than five members

of the executive committee, for an extra meeting to reconsider the matter.

The extra meeting was held at Pittsburgh, Pa., April 4th. President D. Lincoln Orr presided. He opened the meeting by reading the call and stating that "the chair decided the meeting illegal." An appeal from the decision was promptly taken, and by an overwhelming vote the chair was not sustained. It is not necessary to follow in detail the motions, points of order, withdrawals and appeals. Suffice it to say the association voted to reconsider the motion passed at Minneapolis to admit the Rose Comb Rhode Island Reds under the name of American Reds, and then postponed farther consideration of the subject until the next regular meeting.

American Poultry Association's Meetings.

We are firmly convinced that one meeting of the members is enough. We may go farther and say in all sincerity we believe that as a general rule more than one is harmful. This is a large country. A meeting in any section entails a considerable expense upon a member coming from another section. It cannot be much of an exaggeration to say that the average cost to the individual member of each attendance is between \$100 and \$200. The meetings have been held for the last few years in the following order and places: Boston, Mass.; Toronto, Canada; Cedar Rapids, Ia.; Chicago, Ill.; Buffalo, N. Y.; Charlestown, S. C.; Hagerstown, Md.; Cleveland, New York; Indianapolis, Ind.; Rochester, N. Y.; St. Louis, Mo.; Minneapolis, Minn., and Pittsburgh, Pa. It is doubtful if one out of the thousands interested have attended all these meetings. It is sure that but one or two have attended a majority of them. We must expect then that the things done at one by honest, conscientious effort will be changed or torn down at the next; and this by as equally conscientious and honest friends. And this, too, at regular annual meetings.

What shall we say then of extra meetings, made constitutionally possible by the call of only five out of seventy-five members of the executive committee? We do not wish to intimate there was not a necessity for the extra meeting lately held at Pittsburgh. How much better, however, would it have been if the Rose Comb Rhode Island Red Club had made an arrangement to have had their views and desires presented at the regular Minneapolis meeting? Of all those interested but one appeared. The meeting could not but believe that one fairly voiced the sentiments of all. If the matter had been properly understood there would have been no extra meeting at a cost of thousands of dollars to the association and its members.

Delay in The Standard.

We wish to again explain the situation in regard to the new Standard. We have received many orders from our subscribers for copies of this book. Basing our knowledge upon past experience in the issuing of Standards, we inserted in all the advertising that we have done, that all orders for them were accepted for future delivery when the Standard was finished, assuming for ourselves no responsibility

for the delay. Going back over a period of many years, we find that the same conditions have existed with all new issues of the Standards and that poultry journals have been called upon to apologize for the American Poultry Association for this delay, so it is nothing new for the AMERICAN POULTRY JOURNAL to ask the indulgence of its readers who have ordered the new Standard, to wait with patience until it is issued.

In the case of the anticipated new Standard, there seems to be a greater excuse for delay than in any previous edition. The book is larger, will be illustrated; and added delay has been caused by a controversy in regard to the admission or non-admission of a new variety. It will, undoubtedly, be several months before the American Poultry Association will have completed the book. In the meantime, purchasers who have sent in their orders can confidently be assured that when it is issued, it will be of such value that the delay will be amply made up in the value of the book.

Understand, we had what we believed good reasons to anticipate that the book would have been published and ready for distribution sometime ago, or we would not have solicited orders for same so long in advance.

Again we say, the best that can now be done is to wait with patience, and we believe that every buyer will be greatly pleased and fully satisfied when the book is eventually ready for distribution.

Things are shaping themselves well for the poultry show in connection with the Lewis and Clark Exposition at Portland. Mr. Elmer Dixon has been appointed poultry superintendent and competent critics who well know this man say he will bring together the greatest display of fowls ever seen on the Pacific Coast. Mr. Dixon has been connected with the Oregon State Poultry Association for many years and brings to his office a wide experience. Mr. Harry Collier has been appointed state superintendent of poultry for Washington, and he will doubtless employ his great poultry experience in getting out a grand display from his own state. The Middle West states are planning to show in hot numbers at Portland and most of the states have already decided to allow goodly appropriations to defray the expense of upholding their chicken industry.

* * *

All poultrymen are not politicians, but some politicians are fanciers. Mr. Geo. S. Barnes, editor and publisher of *Michigan Fancier and Game Fanciers' Journal*, has recently been elected mayor of Battle Creek, the famous health city. If George is good for the office and makes it as clean as his efforts in the fancy, citizens of Battle Creek will probably reelect him to their highest office. Joseph Hilldorfer, of Pennsylvania, the Black Minorca fancier, has long been a councilman of the Pittsburgh city council. We could cite many other instances, but these suffice to show that fanciers can be successful in other walks of life.

* * *

We are again approaching the warm days of the season, but let us be thankful—thankful that it is not as warm here as in other quarters of the globe. We read with sorrow the account of warm weather in New South Wales, Australia. December 31 the temperature rose to 120 at 11 o'clock a. m., and on the prairies

fires broke out over many miles of what the Australians call bush. Thousands of homes and millions' worth of stock and crops were burned. Dozens of poultrymen and fanciers were reported to have lost their homes and all else in the great fires. When we are sorely perplexed we can change our thoughts considerably by calling to mind the blessings about us.

Dr. Phelps has more than done his share in putting the Favorelles where they now are—but the fowls that make him proud to talk of them are his little Dutch everlasting layers, the Lakenfelders. The Doctor has petted and coaxed them into the front rank of all new breeds. They are a worthy breed and will rank among the best layers of the many small breeds. Lakenfelders possess a good qualification in their ability to turn feed into eggs and if more of the new breeds had as capable distinctions they too might rank higher.

Who has said that the average life of a poultry association is two years? If it is so, why is it true? It seems that the social side of the small as well as large associations is sadly neglected and those which have tried meetings and banquets have found them successful in the extreme. "Chicken" is not all there is to an association! The discussion of the various phases of the fancy are necessary to poultry education and improvement in breeding, but a social side will keep the organization well together and make its work more efficient.

The Gillies Publishing Company, of Topeka, Kan., have sold their publication, the *Poultry Gazette*, to McClaskey-Jessup Pub. Co., Clay Center, Neb., who will continue its uninterrupted publication. Geo. H. Gillies, the former president and editor, began the publication of this paper seven years ago and has placed it in a fine position in the poultry publishers' field. The new publishers have our best wishes.

Our friend Drevensdt takes Mr. T. E. Orr to task for the statement he made in an article recently about all good breeders not being good judges. Further along in said article he says that many of the best all round judges were not successful breeders of any one variety. Brother Orr had none of the good judges

and breeders in mind when he wrote the article, no doubt. There are many names that come to us of good breeders of poultry and all are capable judges of the quality of birds placed before them.

There has been much said and written of the gospel trains for dairy, corn and alfalfa and potato culture, but why not talk about good poultry? Is a poultry gospel train premature? There is room for great improvement in the line of poultry culture on farms throughout the West and the work of helping cannot begin too soon.

Mr. Geo. M. Downs has been editor of the *Southern Fancier* for a good term of years, but lately his duties have become so manifold that the publishers have given him an assistant. Mr. H. F. Riels brings to the paper the ability to brighten up its columns and already we see a change in the *Southern Fancier's* appearance.

Now that the goose hangs high in the A. P. A. tree again, the breeders of Rhode Island Whites, Silver Penciled Plymouth Rocks, Partridge Plymouth Rocks and Sicilian Buttercups will know how to go ahead with getting their favorites into the Standard.

Five pens of Indian Runner ducks stand at the head of the Australian duck laying competition, with nearly 825 eggs per pen of six ducks. Orpington ducks come next.

When you do any whitewashing use the old fashioned brush. It does the work more effectively and in a much neater way than that done by a force pump. The latter is all right if you prefer tattoo work.

The number of pounds of food elements we buy in a ton of bran are 223.4 muscle makers; 1,085 fat formers; 70.0 pure fat.

The Orpingtons, especially the Buff variety, is obtaining considerable foothold in this country among the utility men.

James R. Covert, government expert, says it is assumed that the nutritive ratio for the laying hen and the milch cow should be approximately the same.

America's Big Four



Or Rankin's Royal Rocks and White Wyandottes

Send today for my new illustrated catalogue. It will be worth dollars to you, but I will mail you one for the asking. It is beautifully illustrated and gives mating list for 1905.

H. P. RANKIN

Box 61, Hartington, Neb.

Death to Lice

When an article like Lambert's Death to Lice Powder can meet the demands and successfully withstand the tests of over twenty-one years' use, under any and all conditions, and at the same time grow more popular with the buying public year after year, it is mighty good evidence that it possesses that subtle quality, that winning element which makes either men or material stand just enough higher above the rest to be considered the

STANDARD OF ALL.

Lambert's

Death to Lice



would not be the standard remedy it is if it did not do the work better, quicker, safer and surer than anything else. It has earned its reputation for ridding hens, horses, hogs, sheep, cattle, dogs, henneries, etc., from the ravages of body lice by quick, thorough, effective work. Its user has the assurance of success—there's no chance for risk. Why waste time and money on cheap, ineffective, unknown powders?

Why allow your sitting hens to be ruffled, feverish and discontented when "Death to Lice" will keep them cool, quiet and satisfied? The best is always the cheapest—that's Lambert's. A sample 10 cent box will tell. 100 oz. by express \$1.00. It has proved the turning point to profit for hundreds of poultry raisers. Why not for you? Lambert's Death to Lice Ointment for head lice on small chickens is equally effective. Sample 10c post paid.

O. K. STOCK FOOD CO.
D. J. Lambert, V. Pres.

408 Monon Bldg., Chicago

CARE OF THE YOUNGSTERS.

At this season of the year the breeder who would raise and develop a fine flock of poultry is necessarily very busy. This is one of the vital times in the year's work.

How are your breeders? So often we find them not properly mated and their quarters not at all suited to them. Nearly every one who raises poultry nowadays can give them comfortable and ample quarters if they will. I don't intend to say that it is necessary to have large, elegant houses and yards and "unlimited range." All this is not necessary. A city lot can be made into a comfortable and profitable place to raise chicks and develop them into top-notch show birds. The gymnasium develops our boys into sturdy athletes as perfectly as following the plow or splitting rails. So with the feathery brood. We have all the productions of the "poultry supply" man with his beef scraps, broilers' teeth, alfalfa meal and a hundred other valuable mixtures. All good and which supply all the variety of food that any prize-winner could ask for. These articles are on the market at reasonable rates and can be relied upon. All you have to do is to supply amusement and employment for the youngsters with clean quarters, with sunlight and shade, with good comfortable quarters at night, and don't crowd. Keep them busy scratching for their feed and always have fresh water for them, and you will be rewarded on a city lot as well as on ten acres.

I believe it is a hard matter to overfeed a growing chick if he has plenty of exercise. Don't get the idea that your chicks are overfed. Nine chicks fail to wear the ribbons from not enough feed to one who fails from overfeeding. From the time the chick is dry until he is a matured bird he should be fed as generously as you would feed other stock if you are going to make an exhibition specimen. A great many wonder why their

birds get out of condition so often, but when you ask about the grit, they will say, "Yes, I feed grit once a week." The fact is, the chicks get a small amount of grit once a week and everyone eats greedily of it and fills his crop so full that the excess does him harm. Keep grit or fine river gravel before your birds constantly. It is the best tonic you can give them. They need it just as much as an engine needs oil. I have a liberal supply of coarse river sand or fine gravel constantly at hand and my stock is never without it. It costs a dollar for a wagon load and is easier than crystal grit on your expense account.

Look well to your breeding pens. An attentive male may not get feed enough to keep up his strength and the eggs suffer in consequence. If you find such to be the case, feed him separately. Old hens are always gluttons and may be getting too fat. Better mate them by themselves with a good vigorous cockerel. Cut their feed down and feed the cockerel separately, and you will be pleased with the result.

The care of the setter is no small item when considering the year's success. Handle them gently and they will behave much better. Dust them well when you set them and about half way through and again before they hatch. I always use a little of Lambert's Head Lice Ointment on the little fellows' heads when they are taken off and whenever the head lice show themselves afterward. These lice kill more chickens and account for more stunted birds than any other cause and should be thoroughly looked after.

I want to tell you of a brood coop that I find of greatest service. Take a piano box and remove the top and bottom carefully. Lay the box on the back and put in a partition and nail lath slats over the opening made by removing the top. I then hinge the top previously taken off to the slanting front so that when it is raised up it makes a shade and protection from rain. I then saw

the bottom previously taken off into three equal parts and then nail the center one-third to the box in its original place and make two doors of the other two-thirds and hang them with hinges. Then the box is covered with ruberoid, which keeps it dry. This makes two very cozy brood coops and when the chicks are large enough for the hen to be taken away, there is a nice colony house for them. I have used these for several years and like them better than any other form of colony house. Ventilation can be arranged to suit your ideas. Never shut your chicks up so tightly as to exclude the fresh air, for the growing chicks must have a generous supply in their sleeping apartments. Have a good supply of fresh air, but avoid direct draughts. One of those piano box colony houses will shelter fifteen to twenty chicks, but don't crowd any more in.

DR. N. E. MIGHELL.

Oak Bluff. Marshalltown, Ia.

C. N. Hansen, of Warsaw, Ky., Rhode Island Red breeder, writes a letter to the AMERICAN in which he arranges poultry into three different classes—that raised for Fancy Points, for Eggs, and for Broilers. He states that the popular instruction given to breeders is to make a specialty and raise but one variety, and asks if there is a variety that can be a success under these three headings. He answers his question by saying that he knows of one variety that is suitable for all three purposes; a variety that is coming to the front like weeds; a variety that they used to call Barn Mongrels; a variety from which the name has been attempted to be taken. Yet with obstacles opposing it, it has come to stay and surely possesses these three different qualifications, and is sure that his statement will be borne out by Rhode Island Red breeders, for they surely know the good things that the Reds possess. He says that as layers they produce more eggs, especially during the cold weather, than any other variety, as they have heavy feathering that keeps them warm, and they are very active and do not sit around and freeze. They lay a larger brown egg than any other brown egg variety, and mature very quickly. One of his customers writes that they outgrow the big Black Langshans for the first five or six months, and it is at that age or even before that broilers are sold to the market; and that the R. I. Reds have that long body with plenty of meat and fine yellow skin, and they dress as fine or even finer than most any variety with which he is acquainted. On the Boston market they bring more than the market price for dressed poultry. He concludes by saying that they appeal to the fanciers, as they are very attractive in shape and color with their velvet red plumage, yellow legs and fine carriage and style.

Mrs. J. H. Orebaugh, Batavia, Ohio, made a grand winning at Cincinnati's great show. Her W. Plymouth Rocks are one of the very best strains in the land, as their record at the largest shows has proved. Mrs. Orebaugh's White P. Rocks won the most coveted prize of the whole show, winning the Proctor & Gamble silver cup for the highest scoring bird in the show. Those wanting W. P. Rocks should order eggs of her, for you will get the best.

Live stock diseases prevented
Pratts P. V. Condition Powder.
Made by Pratt Food Co., Phila. Over 30 years old.

GET THE UP-TO-DATE

PRAIRIE STATE

"It's Easy to Operate"

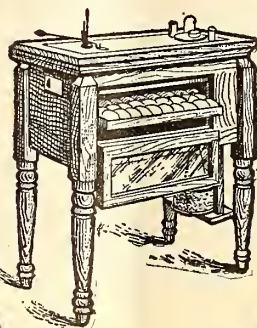
Ease of operation combined with satisfactory results are the essential points of a good incubator. The

PRAIRIE STATE INCUBATOR

is winner of 335 first prizes, in competition with almost every machine on the market, before the most expert judges. The beginner makes no mistake who buys a Prairie State. But you'll make a big mistake if you do not get our catalog and learn all about our machines before you buy. The catalog is free and full of valuable information for beginners. Write for one—do it today.

Prairie State Incubator Co.,
Box 468, Homer City,
Pennsylvania

"It Hatches Great"



HATCHING EGGS BY THE OLD METHOD.

"You old fool, I'll break your neck for you if you don't stay on your nest." These were the words I heard from the mouth of an enraged man who had a "stubborn" hen on some costly eggs and she was playing "hob" with them. That was a long time ago but these words were not without their meaning and it put me to thinking which has done me no little good.

Now not every beginner has the privilege of owning an incubator and because of this he sort of dreads entering another season with the old hen. Rotten eggs are not the result of nature's laws but of man's ignorance as is being proven every day.

It is not my intention to tell you how to get fertile eggs. I'll simply go on the supposition that those are the kind you are about to put under a hen and that by going by these few simple rules she will bring off a good hatch.

With every incubator sent out from the house there is sent with it full directions as to how to operate that machine. Do breeders who send out hens for breeding send with them such specific directions how to have them bring out successful hatches? I truly believe it takes as many brains to hatch eggs with a hen as it does with an incubator.

Let us keep in mind that every hen has:

1st. Some ideas of COMFORT. These ideas may be very crude but they are ideas and unless you conform to them she will disappoint you.

Did you ever try to sit still patiently, very patiently when you were courting an unruly tooth? What pleasure have you

derived from sleeping with a hundred mosquitoes singing their love ditties in your ears? Well, what tooth-ache and mosquitoes are to you LICE are to the setting hen! With lice there can be no real comfort either to man or a hen. Do you take the hint?

2nd. Your hen will have some idea of PRIDE. Three days, yes three hours would be long enough for me in a place like those I have seen given for the hen to spend three weeks in. A hen is not a night owl that she must have a dungeon in which to spend her precious weeks. Neither does she delight to feast her eyes upon cobwebs three score and ten years old. And from what I have observed she really despises to rest upon litter that was used by her ancestors for the same purpose. Give her clean nest-material and then go a step further and put a coat of whitewash on her box and she will feel more like sticking to her place and the mites will feel more like letting her alone!

3rd. Every hen has a sense of comfort about her. Even a hen knows a man when she sees him! I was in a certain barn one day and stumbled on to a box and unthinkingly gave it a kick, saying: "What's in this thing?" And back came the hurried reply from my companion: "O don't, I've an old hen in there on some high priced eggs." The last place on earth I would have looked for high priced eggs, let alone a patient old hen. And yet the fellows who thus treat their setting hens are the first ones to cry out "break her neck" when she don't come off with a chick for every egg put under her!

Then don't forget that a hen like yourself has an appetite that must be satisfied no matter what the cost. Many peo-

ple do not feed a setting hen but leave her to hunt her living and when she does so she often has a hard time to find something to eat and remains off the nest too long and then she gets another cursing.

Keep near her pure water, pure wholesome food, and material for a good bath and everything else being equal she will do good by you.

I have an incubator which does very good work, but I also have good success hatching chicks with a hen and this is how I do it.

Try and see whether I am right or wrong.

WM. HARRIS GUYER.
Barkeyville, Pa.

PRIZE WINNERS.

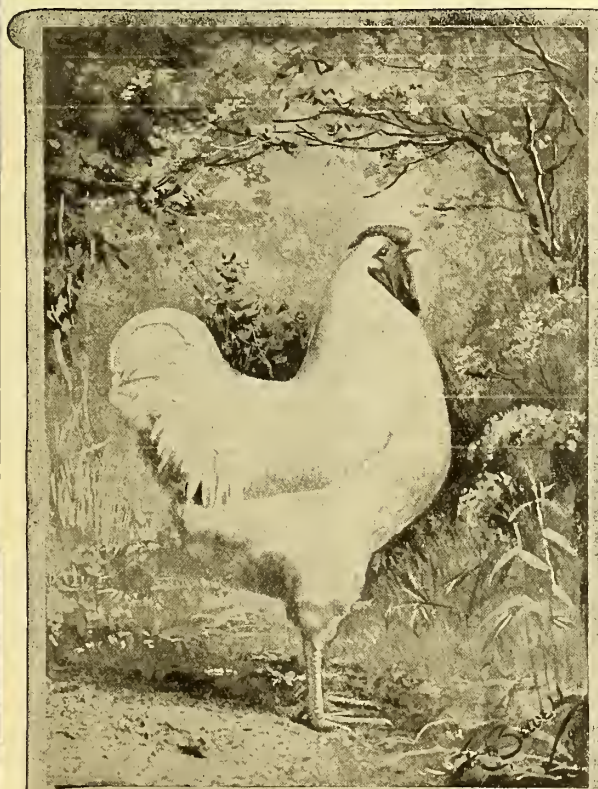
Now is the time we are raising our prize winners for the fall and winter shows. First get eggs from good, healthy stock, properly mated to produce prize winners. Second, keep the chicks growing by giving them clean dry quarters and proper feed, care and exercise from the time they leave the shell until they enter the show room.

J. A. BARNUM.
Coldwater, Mich.

BUFF LEGHORNS.

Why is it that we hear and see so little of these beauties? My buffs have been laying since Nov. 1, 1904, and there seems to be no end to the laying. Have been trying the dry feed ration—wheat, oats, corn and buckwheat—with green bone twice a week and think my birds are healthier and lay better than when fed on mash. I wish more Buff Leghorn breeders would do justice to this breed.

St. Joe Sta., Ind. C. C. Woodcox.



A NEW YORK PRIZE WINNER. BRED AND OWNED BY ARTHUR DUSTON, MARLBORO, MASS.

NO OLD DATES

AND

No Back Numbers

Did you notice my ad in March 1st number? Are those old letters, or not? Reread it. If you want

White Wyandottes

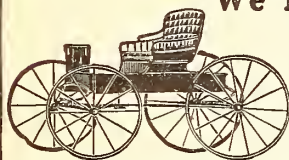
and same treatment, why not go to headquarters to the breeder who has made possible the "World's Best" flocks, and shall continue to do so for years to come. Stock at all times. Eggs shipped promptly.

Arthur G. Duston, Box 1020, S. Framingham, Mass.

32 YEARS SELLING DIRECT

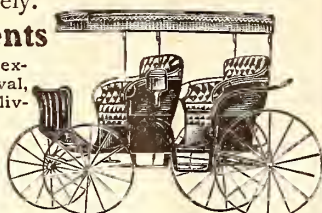
We are the largest manufacturers of vehicles and harness in the world selling to consumers exclusively.

We Have No Agents



No. 723 1/2. Driving Wagon with 7/8 inch rubber tires. Price complete \$56. As good as sells for \$25 more.

but ship anywhere for examination and approval, guaranteeing safe delivery. You are out nothing if not satisfied as to style, quality and price. We make 200 styles of vehicles and 65 styles of harness.



No. 307. Fine Canopy Top Surrey. Price complete \$103. As good as sells for \$30 more.

Elkhart Carriage & Harness Mfg. Co., Elkhart, Indiana.

\$300

If you are looking for a brooder that is a success from the start, that will enable you to have enough of them to properly care for your chicks, and will not cramp your purse, that is easy to clean, and one that applies the heat direct to the backs of the chicks. Send for free catalogue to the

PERFECT BROODER SHOP . . . CELORON, NEW YORK PARTRIDGE COCHINS EXCLUSIVELY

HIGH CLASS BIRDS PROPERLY MATED to secure good results. Nothing under \$5. No poor birds shipped. Satisfaction guaranteed. Will refund money, less express, for any bird promptly returned.

W. H. HARRISON, Jr.

TOLEDO, IOWA

Big Money in Spring Chicks

IT'S a popular idea that chicks must be hatched in February or March to be profitable.

As a matter of fact, April, May and June chicks usually show **better returns**.

The percentage of fertile eggs is greater—weather conditions are more favorable and the result is stronger, brighter, healthier, quicker-growing chicks—and **more of them**.

June chicks are often ready for market as soon as those hatched in March.

They are hardier, more vigorous, and **grow like weeds**, rapidly catching up with the earlier hatch.

Figures—profit and loss—have made it plain to them where the money lies. The result is 16,000 Sure Hatch Incubators and Brooders sold since January 1st, 1905, to be used for later chicks.

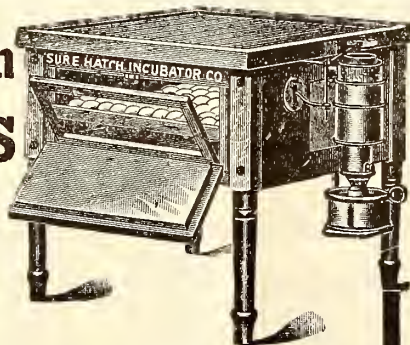
This is pretty good evidence of the **value of the Sure Hatch** too, isn't it?

There's a mighty good reason for 16,000 sales of the Sure Hatch in **four months**.

Why You Should Buy the Sure Hatch

Because the Sure Hatch is an honest machine clear thro' honest construction, honest materials, the embodiment of facts gained from years of experience in artificial hatching and the building of hatching and brooding machines. It has more valuable improvements than any machine on the market.

It is the kind you want and it's the kind we want you to have.



The Sure Hatch is **guaranteed for 5 years**, and sold on **60 days trial**. Not a single machine has come back because it failed to make good.

A Sure Hatch will insure you against disappointment, and prove a **money maker** every day it is used whether by itself or in competition with any other make of incubators or brooders.

The 1905 Sure Hatches are **new** machines, conceived, designed, built, patented, manufactured and sold only by the Sure Hatch Incubator Company. They have **exclusive features** that you can't get in any other incubator, for they're **patented**.

For the next **Special Prices** 90 days we have some **special** prices. Write for **free catalogue** and learn about our **liberal offers for the summer**. Shipments made on the **same day order is received**.

Address nearest office.

Sure Hatch Incubator Co.
6730 Clay Center, Nebr.
16730 E. Washington Street,
Indianapolis, Ind.

CRITICISM OF MR. GOULD'S POULTRY HOUSE.

In April number AMERICAN POULTRY JOURNAL I notice an article by a Mr. Gould, entitled, "A Cheap Poultry House," which it undoubtedly is beyond dispute, but when the gentleman goes further and says it is an economical house, and a warm house, the writer begs to differ. In the first place an economical house should be economical for the attendant as well as for its feathered occupants and it would seem to an observer that the person obliged to have the care of fowls in such a house would be in grave danger of getting his brains knocked out at most any time unless he were a dwarf or traveled on his hands and knees while within the enclosure. Cheapness is a very desirable feature in poultry buildings and a person should have as little money tied up in buildings as reasonably possible, but at the same time cheapness is not everything, when you sacrifice comfort and convenience for a few dollars expense I question if the saving is not on the wrong side. Also it would not seem that getting the hens up so near the roof, or as I should have said, getting the roof down so near the hens, would add greatly to the warmth of the house or healthfulness of the hens kept therein, neither would it be a tempting place for the attendant to work in, to renew litter when necessary,



BARRED P. ROCK.

Fourth cockerel at Richmond, Va., November, 1903. Owned by C. C. Randieman, Ramseur, N. C.

or to spray for lice, or to whitewash. In fact in such houses one is too often tempted to throw the food at them and depart, knowing very little more about the fowls than if a visit had not been made to the house at all.

The writer has found it a very desirable feature to have enough windows, and large enough, in the houses to give the sunlight a chance to enter the house in good shape and penetrate into the corners and kill the germs and sweeten the house up, and if one finds the house too warm it is the work of but a moment to open one or more windows and let in the good fresh air and has that advantage over the house with the cracks in one end left open for ventilation, inasmuch as in one case the ventilation can be regulated according to the weather and in the other case it cannot.

The writer would submit a description of a small house, built by himself, which after three years' use has been found very satisfactory. It is 8x16 on the ground and faces southeast, it is four feet posted and has two half sash win-

dows (6 light 9x13) in southeast side and one sash same size in southwest end. The sills are of 3x4 and the construction of the roof is of 12-foot boards cut in two and nailed up and down from the plate to the 2x3 stick which forms the ridge pole. The house has a cross sill 3x4x8 feet in the middle of the house, upon which rests two 2x3's, each fifteen inches from the center of the cross sill, these sticks support a 2x6x5½ foot stick which runs from the inside of the plate to the ridge pole on both sides, then two 1x3-inch furring strips nailed lengthwise of the roof on the inside, midway between the plate and the ridge pole strengthens and braces the whole thing. Such a roof can be built quicker and cheaper than to use rafters and there is no obstruction of the head room, no knobs on which to bang one's think tank as in the case with rafters; it makes a quite steep roof, being 7 feet at the peak and 4 at the eaves and can be covered with roof papers or shingles, although shingles will last a great many years on such a roof and are cheaper in the end. On this place we use such a house as above described for a breeding pen for twenty-five S. C. R. I. Red hens and two male birds, alternating the males, which gives each a day's rest between each day's service, and which tends to keep them in good weight and vigor, and is the best method known to the writer to insure fertile eggs early in the season. We also consider dry feeding an important factor in keeping fowls in good condition, and beside the saving of labor in not mixing mash, find the egg yield also more satisfactory than when soft food was fed.

ALVIN W. DUDLEY.
Kendal Green, Mass.

CLEAN BROODERS.

A very satisfactory method for keeping the brooder clean and wholesome is to fold a newspaper the proper dimensions and place evenly in bottom; replace every morning with clean paper; also each evening, if chicks are confined through the day. This removes every particle of droppings and bottom of brooder does not become fouled.

J. B. BENNETT.
Ringwood, Ill.

INCUBATOR CELLAR.

For an incubator room a cellar built apart from other buildings will give satisfaction if ventilated and lighted. Excavate about three feet of earth. Let this dirt be used to bank the other two or three feet above ground. The roof may be of tough sod and laid on rough boards.

B. S. BECKINGTON.
Garden Prairie, Ill.

FEEDING.

My pullets are laying better than usual this spring and much better than my neighbors'. I think it due, in part, to the way I fed them while growing, keeping feed by them all the time, and also to the dry bran which I keep before them now. If I let the bran supply run out for a day or two, the egg yield soon falls off. I also find the dust from under the clover huller, if from clover that has been put up without getting wet, nearly as valuable for mixing in the mash as clover meal and much less expensive.

MRS. TILLA LEACH.
Cheneyville, Ill.

White Wyandottes and Pekin Ducks

Greatest competition White Wyandottes and Pekin Ducks, winners in the greatest competition in the world; World's Fair champions; 1, 3, 6 and 7 on young Pekin hens; 2, 3 and 7 young drakes, 3, 5 old drakes and 4 old hen. Won 6th and special on cock in White Wyandottes, and 1 have the best in the world in my breeding pens for 1905. 1st cock, 3d cockerel, 1, 2 and 4 pullets and eight more pullets, sisters to the prize winners and a brother to the 3d prize cockerel.

Illinois State Fair, 1st, 2d and 3d on Pekin Ducks. No White Wyandottes were shown. St. Louis Fanciers' Association, Dec., 1903, won 1st breeding pen, 1st pullet and 3d cock in White Wyandottes and special for best pullet. Chicago National Fanciers' and Breeders' Association, 1905, won 1, 4 pullets, 1, 5 hen, 1, 3d chl., 2, 5 cock and three specials for best shape, and silver cup for the whitest bird in the show room on White Wyandottes. Pekin Ducks 1, 2 cock, 1, 2 hen, 1, 2 cockerel, 1, 2 pullet. White Wyandotte eggs \$3 for 15, \$5 for 30. Pekin Duck eggs \$2 for 11, \$3.50 for 22, \$7 for 50.

THEO. AMBROSIOUS

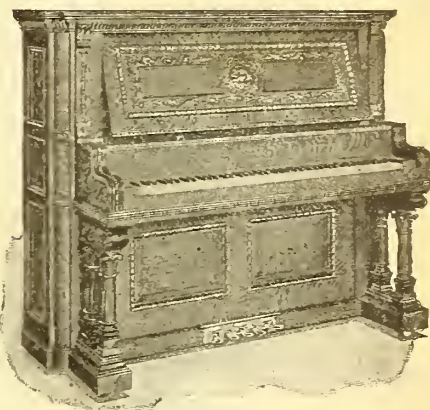
Collinsville, Illinois

WING PIANOS

Are Sold Direct From the Factory, and in No Other Way

You Save from \$75 to \$200

When you buy a Wing Piano, you buy at wholesale. You pay the actual cost of making it with only our wholesale profit added. When you buy a piano, as many still do—at retail—you pay the retail dealer's store rent and other expenses. You pay his profit and the commission or salary of the agents or salesmen he employs—all these on top of what the dealer himself has to pay to the manufacturer. The retail profit on a piano is from \$75 to \$200. Isn't this worth saving?



SENT ON TRIAL
Anywhere We Pay Freight
No Money in Advance

We will place a Wing Piano in any home in the United States on trial, without asking for any advance payment or deposit. We pay the freight and all other charges in advance. There is nothing to be paid either before the piano is sent or when it is received. If the piano is not satisfactory after 20 days' trial in your home, we take it back entirely at our expense. You pay us nothing, and are under no more obligation to keep the piano than if you were examining it at our factory. There can be absolutely no risk or expense to you.

Do not imagine that it is impossible for us to do as we say. Our system is so perfect that we can without any trouble deliver a piano in the smallest town in any part of the United States just as easily as we can in New York City, and with absolutely no trouble or annoyance to you, and without anything being paid in advance or on arrival either for freight or any other expense. We take old pianos and organs in exchange. A guarantee for 12 years against any defect in tone, action, workmanship or material is given with every Wing Piano.

Small, Easy Monthly Payments

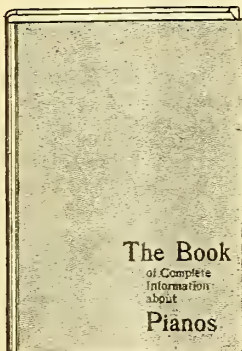
In 37 years over 40,000 Wing Pianos have been manufactured and sold. They are recommended by seven governors of States, by musical colleges and schools, by prominent orchestra leaders, music teachers and musicians. Thousands of these pianos are in your own State, some of them undoubtedly in your very neighborhood. Our catalogue contains names and addresses.

Mandolin, Guitar, Harp, Zither, Banjo—The tones of any or all of these instruments may be reproduced perfectly by an ordinary player on the piano by means of our Instrumental Attachment. This improvement is patented by us and cannot be had in any other piano. **WING ORGANS** are made with the same care and sold in the same way as Wing Pianos. Separate organ catalogue sent on request.

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If You Intend to Buy a Piano—No Matter What Make

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HAVE A SHADY RUN FOR THE CHICKS.

If a person is raising poultry on a small scale just for the pleasure there is in it or if he is engaged in it for a livelihood, he wants to have things arranged as convenient and healthy as his means will allow. I want now to suggest a plan for the runs that has been tried and proved to be very satisfactory. Where you are depending on the hens to do the hatching and rearing of the chicks you want your runs arranged where the hen cannot carry her young in dangerous places. In a yard twenty by thirty have the brood coops arranged in a row along one side of the fence. In the middle of the yard have the feed coop for the young chicks. In one end of this yard fence a place off about five feet from the outside wall, this should be done with two-inch strips. In this enclosure oats should be planted very early so when the chicks are hatched the oats will be about three or four inches high. The hens must not be allowed to go in this small enclosure but the chicks can go in and out at will. The earth in the yard should be dug up at least once a week, this gives the hens plenty of exercise and the chicks are able to get May bugs and insects from the ground. Anyone who has never tried the method of planting a patch of oats have no conception of the value they are to the growing birds. They are able to get many more insects than naturally infest such a place and this is of great advantage to the chicks; they also have a cool shady place to go in the heat of the day. Searching for the worms and then getting them both go to build muscle and bone for the bird and for a

general purpose fowl a weak loose-built bird is not the thing; a muscular, compact built fowl is what you want.

This run may also be used for chicks being reared in a brooder, but when this is done there is no use fencing off a place, as there are no old fowls to scratch up the plants. There should be some fruit trees in this yard to afford shade to the old birds and also the chicks would enjoy some of the fruit that falls. While young chickens are being confined in such a yard the food question should not be forgotten. I will not say anything in regard to the food only fine cut beef scraps are one of the best muscle developers I have ever tried. This yard applies to a place where the space is limited, but it can be used anywhere and at any time and be relied upon.

In regard to the number of hens to put in such a run I should say about one hundred or a hundred and fifty would be about right. I don't like to crowd but where the chicks have a place where they can be away from the other hens they are perfectly safe.

PATIENCE WITH POULTRY.

Patience is a strong link in the chain of success in poultry raising. A very strong link indeed. Lost patience, lost poultry profits is about the quickest way to express it.

As a rule, successful poultry raisers possess an exceedingly large amount of patience; and if this were not true, few of them would ever rise to that plane called success.

Few of the old breeders require any caution in this direction, and no greater

number of young fanciers would if they but stopped to consider that every step must be a step forward and not backward.

It is not always lack of ambition over which we lose our patience, but rather over zeal. Because a hatch does not come off on a scheduled time, up go our bristles and the feathers fly.

Occasionally we meet an old breeder who fails to hold his temper when things go wrong and also we note that venting his spite on the birds but lays another stone wall across his path.

If our birds were possessed of human intelligence and speech there might be the smallest atom of excuse but we must remember that by our own teaching the dumb brutes and the fowls have come to look upon us as their friends and expect food and kind treatment; not kicks and cuffs.

I know an old breeder who has raised and brought out many good birds, and yet he annually spoils about as many as he brings to maturity by his impatience. There is scarcely a bird in his yard that he can pick up without a great effort and much struggling and squawking on the bird's part. They are simply afraid of him. That chickens have a memory, and a good one too, is plainly shown in this case. He has some birds 2 or 3 years old that will simply go frantic when he endeavors to handle them. But he is improving for he has learned many an expensive lesson for some of his birds have lost in the show room because of their wildness.

Although most of us know it is a critical time, how many of us can resist the temptation to meddle with the eggs when it's time for biddie to bring off her



THIS IS A BABY

This is the month that you should hatch your

White P. Rock Babies

I am the one who can supply the Eggs for I have

Egg's

Egg's

Egg's

One Hundred Breeding Yards headed by such birds as first cockerel and third prize cockerel in pen at St. Louis World's Fair, first prize cockerel Hagerstown; first prize cock, Chicago; first cockerel, Cleveland; first cockerel, Indianapolis; and other prize winners. 24-page EGG CATALOGUE free. FIVE HUNDRED CHOICE BREEDERS FOR SALE, just as good looking as the baby. 36-page stock catalogue for stamp.

ROOT'S SICK CHICKEN REMEDIES

Made by a Practical Poultry Raiser.

ROUPCURA PILLS AND OINTMENT cure. Price 50 cents each by mail. Lice Powder and Ointment don't drive the lice away, but kills them. Price 50 cents each by express. Root's Perfect Poultry Powder. Price 50 cents by express. Makes the chickens well, keeps them well and increases the egg output. Send for free circular telling all about them.

MAY R. POULTRY PLANT

D. T. ROOTS, Prop., Connersville, Ind.

brood? On account of too much moisture or some other cause she is delayed a day or two. Then we become impatient and crack an egg or two. Likely as not we find a live chicken but we have simply spoiled its chances of ever hatching. By our haste we have caused it to bleed to death. The process inside that shell was not complete, consequently the chick not ready to hatch. Another possible prize winner's chances spoiled. Regrets are useless. We know we ought not, yet we did.

An ambitious pullet mounts the fence and hies herself to greener fields. Can we blame her? Over in the garden the grass is green, the berries are ripe and bugs are plentiful. Why shouldn't she have a taste of the world's good things?

She knows not why she is a prisoner. Then do we have ample patience and coax her back with bits of choice edibles or do we take a club and chase her, and thereby drive her everywhere but the place we wish her to go? Coaxing will get her back in that yard in just as good condition as she left but chasing out will result only in scaring her out of a month's growth, retard her actions and make her just so much later in arriving at an egg producing stage. Just how much damage it has done we cannot tell for we have not given her a chance to show how good a bird she would have become.

It's all because we don't stop to think at the time. Just think three times before acting in these cases and spare the birds.

And what will the pullet be doing all this time? you ask. Scratching and picking away at out dollar-an-ounce seed I suppose, or filling her crop with our 15-cents-a-quart berries. But isn't she worth it? If she isn't, better cut her head off and eat her.

We lose our patience because the rats, cats and dogs create damage in our yards but wouldn't we accomplish much more if we went about effecting a remedy in a cool, systematic way?

That is where the women folks just lay it all over us poor, quick-tempered men. They possess the necessary patience to make poultry raising a success and who ever heard of one of those kind failing.

Kindness wins what force cannot gain. Nothing could be truer than that old adage.

When our fowls get lousy, do we all have the patience to take up each bird and carefully dust it with insect powder or louse killer, or do we just scatter a little exterminator around and say "guess that will fix 'em."

Sooner or later we must learn the lesson of patience in the poultry yard and if we do not, we will soon be out of the business from a successful point of view.

Pontiac, Mich

W. H. EATON.

BREEDING PEN.

In mating up breeding pen it is absolutely necessary that we know something of the pedigree of our breeding stock, as in this way only can we mate for best results. Then again we should not always have a given number of females for each pen, as it sometimes happens that we do not have a sufficient number of birds that are of the same type to make up what is usually called a pen, namely, 10 females and one male; if not, let us use whatever we have of this type and in this way secure best results.

Ravenna, Ohio.

H. BECK.

EGGS FROM MY BARRED PLYMOUTH ROCKS

PRIZE WINNING

\$8.00 per setting; two settings \$5.00, Circular free.

J. A. BARNUM

Coldwater, Michigan

AGAIN WE WIN

This time at the great Chicago Show. At the ninth annual exhibition held by the National Fanciers' and Breeders' Association, Jan. 23-28, 1905, we won on 15 entries the following awards: Light Brahmas—First cock, 2d pen, 2d and 4th hens. Partridge Cochins—2d pen, 3d hen, 3d cock, 4th and 5th pullets. We still have a small amount of breeding stock for sale and are booking orders for eggs at \$2.50 and \$4 per sitting of thirteen. ELMDALE FARM, C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Ia.

You Wouldn't Be Lousy, Why Let your Birds?

Triumph Lice Remedies are so easily applied, so effective, and yet so harmless, that there is little excuse for your fowls and your purse to suffer from the ravages of lice. Positively do not soil the plumage of white birds. ELMDALE FARM, C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Iowa.

ROSE
COMB

WHITE LEGHORNS

...EXCLUSIVELY...

EGGS FOR HATCHING St. Louis World's Fair, New York and Chicago prize winners. Cream of the country. Send for catalogue.

ROCKY RIVER POULTRY CO.

5931 Superior St. Chicago, Ill.

RHODE ISLAND REDS

Are the greatest layers and make the best broilers of any breed. EGGS from improved stock, Rose and Single Comb, farm raised, \$1 per 15, \$1.50 per hundred, \$45 per thousand. Special discount on 5000 egg orders.

RED FEATHER FARM

F. W. C. Almy, Prop., Tiverton 4 Corners, R. I.



BANNER CHICK FOOD

is the best food for Little Chicks. When fed on this food for the first 6 to 8 weeks, they grow very fast and strong, and you can raise every one that's hatched. A complete food, but no Grit or Oyster Shells. You add that yourself. Prices, 3 lbs., 15 cents; 5 lbs., 25 cents; 10 lbs., 45 cents; 25 lbs., \$1; 50 lbs., \$1.75; 100 lbs., \$3. Our new 208-page catalogue free. Send for one.

EXCELSIOR WIRE & POULTRY SUPPLY CO., Dept. O, 26 & 28 Vesey St., New York City



Judge S. T. Lee says that "Alice White" is the most beautiful and nearer perfection than any bird he ever handled in 20 years judging poultry.

The Gaines' White Ply. Rocks

BRED TO WIN—AND DO IT

We offer a prize of \$50 in gold for best pair. (cockerel and pullet) Free circular which explains, on request. The Gaines White Rocks won at Charleston, S. C., Nov. 21 to 26, 1904. Pullets, 1st, score 97¼; 2d, 95½; 3d, 95¼; tie 4th, 94¾; also 3d pen. Male birds all in bad feather. Eggs for hatching but no stock for sale till fall

E. H. GAINES, Prop., GAINES' POULTRY YARDS, GAFFNEY, S. C.



Cut Incubator Expenses IN TWO

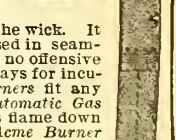
ACME SPECIAL BURNERS are made in two sizes, No. 1 and No. 2. No. 2 makes more heat and light than any No. 3 burner, and uses 20 per cent less oil. The Acme Trip Burner saves ½ the oil, because regulator turns flame up or down. Can't overheat or char the wick. It requires no trimming, is twice as thick as other wicks, and encased in seamless metal tube with composition burner tip. No smoke, no soot, no offensive odor. These wicks are for Acme Burners only, and last 30 to 60 days for incubator use and 12 to 18 months for ordinary house use. Acme Burners fit any lamp. Give size of lamp collar when ordering. The Acme Automatic Gas Valve saves 75 per cent of gas for incubator use. Regulator turns flame down or up. Burner tip can be located any distance from valve. Acme Burner with wick, either size, prepaid, 75c. Acme Trip Burner with wick, either size, prepaid, \$1. Extra wicks, either size, prepaid, 10c each, 3 for 25c.



ACME AUTOMATIC LAMP AND COMPOUND REGULATOR

will make your old machine do better than it ever could do, besides save you many dollars and much annoyance. Its combined damper and flame regulation alone saves half the oil. Its burner saves danger from fire—can't overheat. Its wick saves trimming—never needs it. Its regulator controls both flame and damper (see cut); this avoids too high or too low a flame. It makes hatching or rearing pleasurable and profitable. Sold separately or together. Fits any machine: any one can attach it. Send for catalog giving detailed description and our full line of fixtures, including illustrated plans for building the famous Peerless Incubators and Brooders. Nearly 100 photographic views showing step by step every stage of incubator construction. This book is worth a good dollar of any man's money and is sent merely for the asking. Write your name and address on a postal now and mail to us.

H. M. Sheer Co., Box 104, Quincy, Ill.



Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

INTERNATIONAL ROSE COMB BLACK MINORCA CLUB.

The International Rose Comb Black Minorca Club was organized at the recent Boston Poultry Show, to advance the interests of Rose Comb Black Minorca breeders who will breed creditable stock of the variety and to discourage everything which would tend to place the Rose Comb Black Minorcas in disfavor. By thus uniting in a club, breeders can raise the already high standard of the grand variety, breed better birds and help each other to get better prices. Anyone who has good Rose Comb Black Minorcas can by being a member of the club, command much higher prices than most breeders are now receiving for them.

The Rose Comb Black Minorcas are worthy of all the well directed efforts that can be exerted in their behalf. They have come to the front by their own efforts and are now the most popular and highest valued breeds of poultry in the world. Thus far they have not been helped by any organization for though a small club purported to have been formed, it did not hold meetings nor circulate literature, therefore could not be considered a help.

The International club, though of only a few weeks standing has already a good membership in Vermont, New York, Indiana, Pennsylvania, New Hampshire, District of Columbia, Michigan, North Carolina, Montana, Washington and Nova Scotia and Ontario, Canada. We wish to have as many members enrolled as possible before issuing a printed list of members which we shall soon do and we expect, before the year closes, to have this club among the best of the new clubs and standing well among the old ones. Other advantages which a club of this kind offers to breeders are the sociability enjoyed and profited by, of meeting together and circulating literature in which all of the members are

equally interested, and one feature which is perhaps of as much real value as anything is that breeds which are represented by a good working club are in more favorable repute among the poultrymen and thus gain much greater prestige in the mind of the public than breeds which are not so represented.

We have adopted the by-laws of the American Black Minorca Club for this club with the exception of the name of the club and the substitution of "Rose Comb Black Minorcas" in place of "Minorcas" in every place where the latter occurs. Fees for membership are \$2 for initiation and one year's dues and \$1 per year afterwards. If you will send \$2 to me for that purpose, writing your name and address in full, including street and number or box number, as the case may be, I will see that you are properly enrolled and that you have opportunity to share in all the benefits which the club offers. Yours truly,

GEO. H. NORTHUP, Sec'y. & Treas.
Racville, N. Y.

PIERCE CITY & MONETT POULTRY ASSOCIATION.

The Pierce City & Monett Poultry Association held its third annual election of officers March 23, 1905, when the following officers were elected for the ensuing year: J. G. Kelley, president; Mrs. C. W. Haines, first vice-president; W. H. Smith, second vice-president; Thos. Carlin, secretary, and J. E. Coppock, treasurer. Board of Directors: Dr. B. F. Lazenby, W. Henry Smith, Jas. Doyle and A. Parkhurst.

C. A. Emry, of Carthage, was judge of the two last annual shows, and has been engaged to judge the next, to be held Nov. 27 to 30, next, inclusive. At the outset, the purpose of the organization was to afford easy facilities to local fanciers, to acquaint them with the requirements of the standard for the

best poultry. Results have been very satisfactory. The association now has a membership of about sixty. An increased variety of fowls have been introduced, including many of the best breeds, and the stock is much better cared for. Many incubators have been introduced, new poultry houses erected, and poultry feed provided more plentifully than formerly. Members of this association would now be willing to enter with the best shows in full confidence of receiving a share of the ribbons.

TRI-STATE FANCIERS.

The Tri-State Fanciers' Association held an enthusiastic meeting at the Commercial House, Monday evening, March 13, for the purpose of electing officers and transacting other business of importance.

The following are the officers for the coming year: President, T. N. Babcock; Vice-President, A. W. Ransom; Treasurer, Lee Stover; Secretary, Rose E. Sandford; Assistant Secretary, C. A. Doner. Board of Directors: Term of one year—Geo. E. Tuck, S. W. Whitford; term of two years—C. Emminger, H. S. Fletcher; term of three years—Chas. White, E. M. Barker.

With a membership of over seventy members for a "starter," the association bids fair to assume large proportions, and as soon as the board of directors can perfect plans for carrying on the good work, new members will be added from other states, the territory designed to be included being South Dakota, North Dakota and Minnesota. Membership certificates will be issued to all members, which membership card covers a period of one year, and is non-transferable, and will admit the owner to the annual show for that year.

The object of the association is to encourage the breeding of good stock, in our poultry, dogs and pet stock, and to this end, to hold shows and exhibitions where owners may have an opportunity to see and know the worth of well bred stock, as prizes will be awarded on actual merit. A judge will be selected by the board of directors, who aim to secure a man thoroughly posted, and known to be impartial.

This association will bring fanciers from abroad, and will give Watertown an opportunity to extend the hand of

THE RESULTS WE LOOK FOR

Is found in the many letters we receive from well pleased customers. Jewel Chick Feed is all grain; no mill sweepings and refuse used. Chicks eat all of it; that is what pays.

POULTRY SUPPLY DEPARTMENT,
International Stock Food Co., Minneapolis, Minn.

GENTLEMEN:—Enclosed find draft for \$2.50 for which please ship to my address as soon as possible 100 lbs. of Jewel Chick Starter. I already have 100 young chicks and I find your Chick Starter to be one of the best foods a poultryman can use. I hope you can forward my order at once as I need it.

Yours truly,

OSCEOLA, IOWA.

O. C. SANDERS.

We are general distributors of Midland Poultry Food, the world's famous balanced mash ration; prepared by men who know what feed should be. International Louse Paint and Powder are the most successful preparations known for exterminating lice vermin. International Beef Scraps contain more protein than any other beef scraps known. They are just what you need. We are the largest dealers in poultry supplies, tools, etc., in the U. S. We have everything a poultryman requires. 112 page catalogue free. **SPECIAL MONEY VALUE OFFER**—Ready for you if you write at once. You can't afford to miss this proposition.

Address.....POULTRY SUPPLY DEPARTMENT, Box "E." International Stock Food Co., MINNEAPOLIS, MINN., U. S. A.

welcome to the strangers within her gates, and sustain her reputation as the city of hospitality, and the members earnestly solicit the assistance of all in order that the organization may become strong and permanent, and an institution of lasting benefit to the members and to the community at large.

NATIONAL WHITE WYANDOTTE CLUB.

The 1905 catalogues of the National White Wyandotte Club are being mailed out by the secretary. The catalogues contain 160 pages of valuable reading matter and the advertisements of nearly 200 members of the club. The club has now in the neighborhood of 1,400 members with nearly every state in the Union represented. There are enough members in some states alone to form a good sized club. The catalogues are indeed a great credit to the White Wyandotte fraternity, and a copy may be had free by addressing the secretary,

Ross C. H. HALLOCK.

St. Louis, Mo.

STORY COUNTY POULTRY ASSOCIATION.

The Second Annual Poultry Association Holds Its Next Exhibit at Roland, Ia., Dec. 12, 13, 14 and 15, 1905.

Roland, Ia., March 22.—The Story County Poultry Association met and elected the following officers for 1905: President, E. F. Bell; Secretary, Ed. Osmondson; Treasurer, J. M. Mason; Manager, E. A. Cole. Executive Committee: H. E. Myrah, T. P. Hermanson, Dr. E. A. Rice.

Roland can truthfully boast of more real poultry fanciers than any town of its size in the state; also more thorough-bred poultry.

FRESNO, CAL.

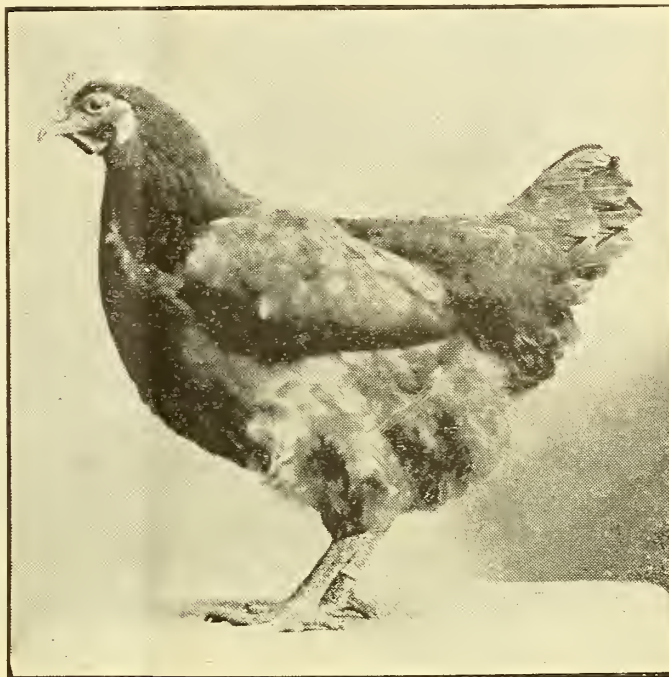
The Fresno Poultry, Pigeon and Pet Stock Association has selected for judges of the next show, B. M. Woodhull, of Stockton, and R. J. Venn, of Fresno, both old, reliable, tested and trusty judges. Venn will judge the Plymouth Rock classes and Woodhull all other classes in the show. The show will be judged by comparison. This will be the first show so judged that has been held by this association. The dates selected, Dec. 13 to 19, 1905, follow the Alameda

show by a few days, thus giving exhibitors a chance to exhibit at both shows. Our dates have been decided upon and will not be changed, as we deem it wise to make a circuit of the California shows if possible, and that was our principal object in selecting the dates we have. The Southern California shows, which are usually held after this date, can, we hope, be made to follow ours by a few days, thereby making the circuit as complete as possible. We hope that our days will not conflict with those of any other

in Armory hall, which is the largest hall in the city, perfectly lighted, convenient, and of sufficient size to allow us to coop all the entries in single tier coops.

All our shows heretofore have been so cramped for room that we were compelled to use double tier coops and a great deal of the beauty of the show and birds were lost thereby as the light was greatly impaired by reason of the double coops.

It is our aim and intention to offer valuable cups for each of the principal



RHODE ISLAND RED HEN,

Winner of first prize at World's Fair, St. Louis. Bred and owned by C. N. Hansen, Warsaw, Ky.

association, and they do not as far as we have been able to learn.

We have had a two years' rest and everything now points to having the most successful show this year that we have ever held. The members are all taking hold with a vim and intend to leave no stone unturned to make it an unqualified success. The association has partially been reorganized and a number of amendments to our by-laws have been adopted, and we are on a better working basis now than for several years past. The show will probably be held

classes and cash or special prizes for the best individual specimens and pens in every class. Also handsome ribbons for the winners. We also hope to have at least a partial set of new, modern coops.

The hall in which we expect to hold the show will be by far the best that we have ever had. The light by day will be almost as good as an out-door light, and by night the hundreds of electric lights will make it almost as light as day.

The fanciers in this section are looking forward to the coming show with much interest and enthusiasm, and are

Hansens' World's Champion R. I. Reds

Winners of more cash and special prizes at World's Fair than any other exhibitor. Won every first prize at Madison Square Garden, N. Y., 1905, and three specials for color and shape on only four entries. Our birds had to be shipped 1000 miles and still they beat all that is called the best, but breeding will tell. At Chicago, Dec., 1904, we won all 1sts and Silver Cup, Rose and Single Comb competing. At Warsaw all 1sts and Silver Cup for the five highest scoring birds in the show room. Also won all 1st prizes at Indianapolis, Louisville, Hamilton and East Enterprise. Our eggs are \$3 and \$5 per setting. After June 1st at half price. If you want quick maturing and fine winter layers get the famous Hansen Reds.

C. N. HANSEN

Vice-President Rhode Island Red Club

Warsaw, Kentucky

already picking the winners from their flocks for special care and attention, and as all the local fanciers are constantly improving their flocks, better specimens than ever before will be shown.

We hope to procure a larger entry than formerly from outside exhibitors and will guarantee fair and courteous treatment to all exhibitors and first class care of stock while in our charge.

The exhibition hall will be of sufficient size to allow considerable space for incubator displays, etc., and the first come will be first served in this respect.

GEO. R. ANDREWS, Sec'y.

MILWAUKEE, WIS.

At the third meeting of the Wisconsin Feathered Stock Association twenty-six new members were admitted, bringing the membership up to eighty-five.

At the session plans were discussed for the annual show to be held on Jan. 22-28. Efforts will be made to procure the Exposition building for the show.

The subject of pigeon judges was discussed, and efforts will be made to procure the following judges: J. M. Frausens, Green Bay, to judge homers, and Messrs. Plain and Muir, of Chicago, to pass on the fancy pigeons. A great step forward was taken, when the resolution was adopted to get out and advance the premium list to be issued on June 1, pertaining to all classes, premiums and prizes offered up to date. The complete and official premium list will be issued about Sept. 15. The committee, in whose hands this subject was placed, are Messrs. Theodore Koos, Wm. Stewart, M. A. Freedy, O. E. Dunning and C. G. Loeber. About 10,000 copies will be printed. Another good feature will be the erecting of a bulletin board in the meeting for the purpose of buying and selling stock by members. It was also decided to supply Messrs. Theodore Koos and C. G. Loeber, president and secretary of the club, with a list of birds bred and for sale by each member.

Three interesting features for the next meeting on May 3 will be the report of the committee on a suitable hall for the 1906 show to be held on Jan. 22-28; the Exposition building seems to be the most favored; the selection of pigeon judges, and a full discussion of the proper erec-

tion of poultry buildings by Architect F. W. Andre, who for years has made this a close study. All fanciers are requested to join the club. The membership fee is only \$3 and the dues 25 cents a month, certainly within the reach of all.

Any information on by-laws and application can be procured from C. G. Loeber, 1717 Walnut street.

THE TACOMA POULTRY SHOW.

The Tacoma Poultry Association are making big plans to have a large exhibit of their best birds at the big Lewis



BLACK ORPINGTON.

First prize cock at Chicago, 1905. Bred and owned by C. S. Byers, Hazelrigg, Ind.

and Clark fair. In order to advertise their annual show, which will be held in Tacoma, December 27, 1905, to January 1, 1906, they will get out their annual premium list at once and will distribute a number of copies at the big show. This premium list is to be made the finest thing of the kind ever issued on the coast. We will take a limited number of advertisements from the eastern breeders and we would be glad to hear

from them at once. In this big premium list we will sell pages at \$10.00; half pages, \$6.00; quarter pages, \$3.50. Write at once to the committee, W. R. Sears, S. W. Geer, or Harry H. Collier, City Hall, Tacoma, Wash.

MOHNSVILLE, PA.

Mohmsville, Pa., Poultry Association was organized under the name of Wyomissing Poultry Association with about 50 members and decided to hold their first show from Dec. 19 to 23, 1905, in the K. of P. Hall where the association will meet the second Saturday night of each month to transact their business.

The following officers were elected: President, J. G. Werner; vice president, J. H. Fichtorn; secretary, Geo. W. Hatt; treasurer, A. O. Fisher.

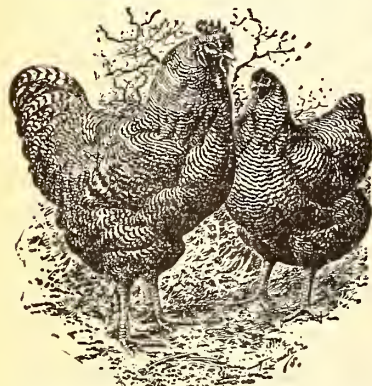
This place is located five miles southwest from Reading, Pa., and is easily reached with the Reading and Southwest trolley line within one-half a square from the hall. The place has a population of 2,000, with some of the best locations for poultry in the state. Liberal premiums in both regular and special, which will be open to the competition of the world, will be offered with all members working with one end in view to have one of the best shows in the state. We would invite all fanciers of poultry to join our association. And especially would we extend a cordial invitation to all exhibitors to show at Wyomissing Poultry Show, Mohmsville, Pa., next December.

GEO. W. HATT, Sec.,
Mohmsville, Pa.

LA CROSSE, WIS.

The poultry fanciers of La Crosse, Wis., recently met and organized a permanent association to be known as "The La Crosse Progressive Poultry Association." A large number of breeders were present and very much enthusiasm was shown. The following officers were elected for the present year: President, Robert Engelke; vice president, R. W. Gifford; secretary, H. J. Hahn; treasurer, Ed. Johnston; superintendent, O. W. Nass.

Arrangements have been made to hold a show Jan. 21-27, 1906, with Theo. Hewes to place the awards. The mem-



Light Brahmas,
Buff Cochins,
Partridge Cochins,
White Cochins,
White Wyandottes,
Golden Wyandottes,
Silver Wyandottes,

Buff Wyandottes,
Barred Plymouth Rocks,
White Plymouth Rocks,
Buff Plymouth Rocks,
White Langshans,
Black Langshans,
Golden Polish,

Black Minorcas,
White Minorcas,
Silver Spangled Hamburgs,
Cornish Indian Games,
Black Breasted Red Games,
White Faced Black Spanish,
Blue Andalusians,

Rose Comb White Leghorns,
Rose Comb Brown Leghorns,
Single Comb Brown Leghorns,
Single Comb White Leghorns,
Single Comb Buff Leghorns,
Buff Cochins Bantams,
Red Caps.

Order direct from this ad or send five cents for our large illustrated catalogue, which describes forty leading varieties of standard-bred fowls. We give all orders prompt and personal attention in selection of eggs, shipping and packing. We guarantee our eggs to reach their destination in good condition. Broken eggs will be replaced free of charge. We are better qualified in filling orders this year. We have more new house room, more yards and larger mated pens of better stock than ever before. Our remarkable growth is credited to our honest and square dealings with our customers. We can boast of having as many pleased customers as any breeder in America. Send us your order and be convinced of our honest dealings. We will treat you in such a manner as to have your orders in the future.

GEO. P. HARTMAN & SON, Box D 193, FREEPORT, ILL.

Glenwood Poultry Farm

Do You Want the Best

We can sell you eggs that will hatch the prize winners. We have in our yards birds that won 1st and 2d in Iowa, Wisconsin and Illinois. We have won hundreds of premiums in the past five years, which shows the quality of our stock. We have bred fancy poultry eight years and know something about mating, showing and breeding, and if you place your order with us you certainly will get the benefit of our experience. Our yards contain birds scoring 90 to 96 honest points, and eggs bought of us ought to surely hatch prize winners.

EGGS FROM Pekin, Rouen, Indian Runner Ducks, \$1.75 per 11, \$3 per 22, \$6 per 50.
Toulouse and Embden Geese, \$2.75 per 7, \$5 per 14, \$7 per 21, \$10 per 32.
M. Bronze and W. Holland Turkeys, \$2.75 per 9, \$5 per 18, \$10 per 40.

EGGS from the following varieties, \$1.75 per 13, \$3 per 26, \$5 per 50, \$9 per hundred.

bers of this association are a class of energetic, hustling fanciers, who will spare neither time or expense to make this show a complete success.

H. J. HAHN, Sec.

WEBB CITY, MO.

A poultry association was organized at Webb City, Mo., which will be known as the Mineral Belt Poultry and Pet Stock Association. A show will be held at Webb City Dec. 6, 7, 8 and 9, 1905. C. A. Emry, of Carthage, Mo., will judge. Mr. C. Baker, of Webb City, is secretary.

FORT WAYNE, IND.

The People's Poultry and Pet Stock Association recently organized at Fort Wayne, Ind., will hold a show Dec. 11-16, 1905. T. E. Orr has been selected to do the judging. P. A. HELLER, Sec., Fort Wayne, Ind.

SIoux FALLS, S. D.

The Queen City Poultry Association will hold their third annual show Jan. 16-20, 1906. G. D. Holden judge. Stacy S. Metcalf, Sec., Sioux Falls, S. D.

DAVENPORT, IOWA.

The annual show of the Tri-City Fanciers' Association will be held Dec. 11-15, 1905. Jas. A. Tucker, judge. At this show there will be offered a large list of cash specials, besides the regular cash prizes. J. B. Voss, Sec., Davenport, Iowa.

SEBRING, OHIO.

The Sebring Poultry and Pet Stock Club was organized March 6, 1905, and they have decided to hold their first show Jan. 9-11, 1906, with Ira C. Keller as judge. M. J. Stevens, Sec., Sebring, Ohio.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Some time ago, my attention was drawn to an article in the AMERICAN POULTRY JOURNAL in which my friend, Mr. Chas. S. Brent, requested a report from me as former Sec'y-Treas. of the Indiana Game Club of America. I am pleased to say I was Sec'y-Treas. for one year, Jan'y, 1900, to Jan'y, 1901, and when my predecessor, Mr. Adam Thompson, handed over the work to me there were just twenty members in good standing, i. e., annual dues paid up, etc., and \$17.00 in the treasury. During the year, forty members joined and after paying expenses, including printed matter, such as the annual report, circular-letters, envelopes and the postage on considerable correspondence, I was able to hand the work over to my successor, Mr. C. S. Whiting, Corfu, N. Y., in a thriving condition with sixty enthusiastic members and about \$45.00 in cash. From the latter, Mr. Whiting had to deduct the cost of two cups, one for the New York, 1901, show, and one for the Chicago show of the same year. But to the remainder should be added about \$40.00 which I understand Mr. Whiting received as funds from Mr. J. H. Drenstedt who, I believe, was Sec'y-Treas. before Mr. Adam Thompson took up the work. Further information, I am unfortunately unable to give, but if it is needed, I presume it may be secured by addressing Mr. Whiting as I

believe he is still secretary of the old club.

I understand we are on a fair way to have a new club as Rev. H. A. Huey, Casnovia, Mich., has kindly consented to be Sec'y-Treas. of the American Indian Game Club until next winter when a

meeting will be called to elect officers and accept a constitution, etc. I shall be pleased to send him \$1 and my application for membership and I trust many others may do likewise as our breed is worthy of an enthusiastic club.

W. S. TEMPLETON.

Barred Rock Eggs For Hatching

from Chicago prize winners, \$2.50 per setting, \$4 for two settings \$12 for 100.

F. H. STANWOOD : : : 416 N. Harvey Ave., Oak Park, Ill.

Don't Run The Risk of not getting plenty of fertile eggs. Feed Triumph Foods, the Easy Fed Feeds. Absolutely the correct ratio and containing everything necessary for the best possible results. Write today for circular containing detailed description of our foods. Triumph Green Mash, \$2 per 100 pounds. Triumph Green Ration, \$2 per 100 pounds. Triumph Chick Feed, \$2.25 per 100 pounds. ELMDALE FARM, C. L. Duffield, Prop., Room 11, Commercial Bldg., Marshalltown, Iowa.

CYCLONE STRAIN BLACK LANGSHANS

They won in the past and they will win again. Eggs and stock for sale at reasonable prices.

H. C. ECKERT & SONS - - - Belleville, Illinois

EGGS Barred Plymouth Rocks } Winners at Indianapolis
Light Brahmas } 1904
Mammoth B. Turkeys } Cincinnati, 1905

Barred Plymouth Rock EGGS from yards headed by large males and barred to the skin. \$2 per 15, \$3.50 per 30, \$5 per 45, \$10 per 100. Each one of my Light Brahma yards is headed by a prize winner. EGGS \$2 per 15, \$3.50 per 30, \$5 per 45, \$10 per 100. A limited number of turkey eggs \$5 per 10, straight. Eggs can be selected from B. P. Rocks and Light Brahmas apart from each, at the same price at the same time. Free circular giving prizes won.

GEO. O. ANDERSON - - - Rushville, Indiana

Plane's S. C. White Leghorns

Are specially mated for egg production, while their show record proves them to be superior in exhibition; my customers winning all over the country, and in their hands to score as high as 96%. Let me book your order for eggs. You can do no better elsewhere.

JOHN C. PLANE, - - - Belvidere, Ill.

Member National Single Comb White Leghorn Club.

NORTHUP'S MINORCAS SINGLE AND ROSE COMB

Eggs from 20 grand pens guaranteed to hatch regardless of distance. 28-page catalogue free. 68-page book, "Minorcas, All varieties," history, mating, fitting for show, etc. Fully illustrated, 25 cents postpaid. My S. C. Minorcas have never lost a special for large size, and have won more than 3,000 prizes for my customers in strong competition. My R. C. Black Minorcas have won more 1st and 2d prizes than all competitors combined at Chicago, Boston, Philadelphia and New York.

GEO. H. NORTHUP, Raceville, Washington Co., N. Y., R. F. D. 6



CHAPMAN & McQUILLANDE

WHITE AND BARRED ROCKS

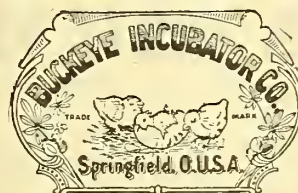
Special Sale of Eggs

For the balance of the season we will sell our \$5.00 eggs for \$3 per setting. These eggs are from the yards that contain our New York and Boston winners, and are the same that we set ourselves. We have a catalogue, but you can order from the ad.

Box O, P. O., West Hartford, Conn.

SAVE YOUR CHICKS

2 lb.
Package
25 Cents
f. o. b.



BUCKEYE CHICK STARTER

Do you have trouble raising your chicks to maturity? If so, the damage is done the first week after hatching. One 25 cent package of Buckeye Chick Starter will start on the road to health and development twenty-five chicks and is everything they need, or should have, except water, for the first week or ten days. Try it and change a loss into profit. We manufacture the Best Balanced Ration in the United States. Our catalogue on Foods and Feeding is invaluable and is yours for asking.

BUCKEYE INCUBATOR CO.

Box 2, Springfield, Ohio

Anywhere
By Express
Prepaid
50 Cents

BE YOUR OWN BOSS.

Wake up! ye downhearted shop-laborers. Why confine yourself in a dirty, unhealthy factory and let some great swell toss you about from one place to another?

Here you stand day out and day in, week out and week in, yea, even year out and year in. What have you gained at the end of the year? Merely a scant living and losing your health by doing so. What can be more pleasant than to spend your time at home; not in being idle, but supporting yourself and family, a way far better than confining yourself in a stuffy old shop your whole life.

Possibly you have been able to save a few dollars; engage them immediately. Go to an honest lumber dealer and purchase some lumber. Get to work and build yourself a chicken house. When finished with windows, door, tarpaper, nails, etc., it will not exceed ten dollars (\$10) in cost and will be large enough if properly built to accommodate two dozen laying hens.

Well now, take five dollars and get one setting of eggs from some reliable chicken firm, or say ten dollars, if you have it, and also get three hens for about 75 cents apiece; any kind will do to start with, and in twenty or twenty-two days you will have a good start in business of your own. You will be surprised to find how soon they will mature and pay for themselves many times over before two years have passed. Year after year you will increase your stock both in quantity and quality by careful breeding and will be able to get a good prize for your trouble. At the same time you can be your own boss and enjoy yourself in the open air, which is very essential for human beings. Instead of going to the shop when the whistle blows you can stay at home and run your own business at the same time having leisure moments to study up on poultry by reading the AMERICAN POULTRY JOURNAL.

Do not misunderstand me; I do not mean to say chickens do not need regular meals. They positively do; also good care in keeping them free from lice. Always have clean dry sand in one part of house for dusting, and never feed a hen corn too frequently, if you want any eggs. Oats is a very good egg producing grain, which should be fed in the morning; at noon a mash is made from the following: Cooked potatoes and any other vegetable, bran, corn feed and ground up bones and meat. The latter may be had at any butcher's for a very small sum. Supper: One part wheat and two parts oats. Never neglect fresh, clean water every day, and always keep oyster shells and grit on hand. Great many people think hens must be fat in order to lay, but that is a mistake.

Never overfeed of anything, but always feed regular, as well as same quantity to matured stock and you will be well repaid for your accuracy.

Mrs. E. THOMPSON.

Battle Creek, Mich.

SELECTING EGGS FOR HATCHING.

The largest eggs do not always hatch best. A good, average sized egg will give the best results. The size of chicks depends altogether on the breeders. Select large females and shapely males, as the female governs the size and the male the shape.

Mrs. J. H. OREBAUGH.
Batavia, Ohio.



SIX Great Breeds

**Bred for Pleasure
and Profit**

Our 1905 illustrated catalogue fully describes them all. Sent free to readers of A. P. J.

NOW IS THE TIME TO SET EGGS

About 3000 laid daily in our yards.
GREAT LAYING MATINGS of record egg producers.
EGGS \$2 for 12, \$8 for 100.
HIGHEST QUALITY EXHIBITION STOCK. Winners of highest honors for our patrons and for us.
EGGS \$5 for 12, \$10 for 36.
We breed S. C. White Leghorns, White Rocks, White Wyandottes, Barred Rocks, Black Minorcas, Light Brahmas. Also W. H. Fox Terrier Dogs and Angora Goats. Write today for catalogue.



ELM POULTRY YARDS,

Box 121, Hartford, Conn.



POULTRY SUPPLIES

of every description. Prairie State, Empire State and Star Incubators and Brooders, Drinking Fountains, Wire Netting, Spray Pumps, White Washing Machines, Powder and Liquid Lice Killers, Roup and Cholera Cures, Condition Powders, Egg Foods, Oyster Shells, Beef Scraps, Dog Cakes and Medicines, and everything necessary for breeding poultry and pet stock. Our immense illustrated catalogue gives complete list. It is free; send for one.

Excelsior Wire & Poultry Supply Co., Dept. O, W. V. Russ, Prop., 26 & 28 Vesey St., N. Y. City

SWETT'S BUFF BLYMOUTH ROCKS

PRIZE WINNERS WHEREVER SHOWN. Cock at head of pen No. 1 scored 92 by McClave. Pullets score from 93½ to 94. Eggs \$2.50 and \$3 per setting of 15.

A. R. SWETT,

ALMORA, KANE CO., ILL.

Buff Cochins

**Three Grand Cockerels
and One Cock for Sale**

Write for Description

Partridge Wyandottes

The Kind That Win

At the Great Chicago Show 1904, 1st ck. 3 pullet. 1905, 4th cock, 3 pullet. Eggs for hatching. Write for prices

D. S. LOVEJOY, Elgin, Ill.

Exmoor Brown Leghorns



WITTMAN LINE

are the undisputed champions. We bred the 1st prize pullet at Madison Square Garden, 1905, the seventh year this line has won 1st pullet at this show. In writing for prices of stock state fully just what you want. Egg orders booked now at \$5 per sitting. Address all letters to

EXMOOR FARMS
C. A. Dutton, Supt.

EDGAR A. WEIMER,
354 Harmon Ct., Lebanon, Pa.

TURNER'S WHITE PLY. ROCKS

I have a few more cockerels to spare that weigh between seven or eight pounds, good and strong, only \$3 each. A few that weigh more than eight pounds only \$5. I have some pullets, and good pullets at that, for \$3, but I have none for less. I have seven grand breeding pens of White Rocks that I will sell eggs by the sitting from, and I tell you one thing that the birds in pen No. 1 and No. 2 are eye openers, 15 eggs \$5; pens No. 3, and No. 4 comes next in the lead, \$4 per 15. Pen No. 5, every bird O K, \$3 per 15; pens No. 6 and No. 7 \$6 per 100. I guarantee 75 per cent fertile. You can order from this, it will save time, but I have a mating list that I will send to you if you write me (a stamp if handy). Tell me where you saw my ad.

M. P. TURNER

West Hampton, L. I.

May Is The Month To Buy Eggs

FOR HATCHING

J. C. Fishel & Son, Box J, Hope, Ind.

Home of the "Original World's Best" Strain of

WHITE WYANDOTTES

Is Where You Should Place Your Order

PRICES

\$5 per 15
\$15 per 50

**Fourteen
Yards
to Select
From**



EGGS

\$10 per 15

**Selected
From
Special
Matings**

Order direct from this ad and save time, worry and trouble

We can ship eggs any distance with perfect safety and guarantee hatch. Our matings for this season will simply be immense—fourteen yards, and not a bird that shows a tinge of brass or straw color. They are absolutely white, stay white, and are all winners. Note our winnings in catalogue, and also our last show of 1904; is not that proof of our claim. "THE WORLD'S BEST?"

At the Indianapolis State Poultry and Pet Stock Show, 1904 winning seventeen prizes out of twenty-one entries, besides \$25 silver cup given by White Wyandotte Club for best display, W. Wyandottes and many other specials: 1. 2. 4 cocks; 1. 2. 3. 4 cockerels; 1. 2. 4. 5 hens; 1. 2. 4. 5 pullets; 1. 2. 3 pen. Now is not that convincing evidence that Fishel's Strain of Stay White Wyandottes are the original world's best? If your stock lacks in head points, pureness of color, or the typical Wyandotte type, you should certainly improve your stock. This you can do by making a small investment in eggs with us.

OUR GUARANTEE: We guarantee nine chicks to each setting of fifteen eggs, or if the purchaser fails to get this per cent, we will duplicate the order at one-half price. We feel that any of our customers having the confidence in us to place their orders with us, we should have equally as much confidence in them to take their word for report of hatch, hence this proposition. Send for catalogue.

J. C. FISHEL & SON

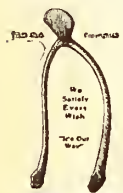
Box J, Hope, Ind.

Rudolph Poultry Yards, Rudolph, O. Fancy Buff and Barred Rocks

Bufs win two state cups in succession and over one-half of all cash and other specials at the last two cup competitions. Barred win five places at Fostoria. 400 Barred and bufis to select from. Write your wants. Catalog free. Eggs in season.

F. S. & J. S. GASPER

RUDOLPH, OHIO



BUFFS ORPINGTONS

Single Comb.
WYANDOTTES Wooden Strain
R. C. Leghorns—Indian Runner Ducks

EGGS, 15, \$1.50 guaranteed. Some beautiful stock for sale.

A. EDWARD GREEN CO.
Box A, Morgan Park, Ill.

CHOLERA

IS THE DEADLY PLAGUE

OF THE POULTRY YARD

CHOLERA and its kindred diseases, Indigestion, Bowel Trouble, Diarrhoea, Dysentery, Sour Crop, etc., attack alike the young chick and the old fowl. Thousands upon thousands are lost each season from these causes, and the year's profits dwindle to nothing.

Conkey's Cholera Cure

is the result of years of our most careful study and research, and is guaranteed by us to be an absolute and immediate cure for these diseases. You cannot afford to be without it.

It may save you a large amount of money this season.

It is given in the drinking water, and requires no labor on your part.

It is tasteless—its presence cannot be detected by the flock.

It is eagerly taken, as fowls with these diseases are very feverish.

It is not expensive—a little goes a long way.

It is good for Turkeys as well as fowls.

It is harmless, and will not injure sick or healthy fowls.

It is guaranteed by us to satisfy you—If it fails, your money back—no question. Just money.

Don't fail to try this wonderful remedy. Send for it today and be prepared to check these troubles at their first appearance. Given occasionally, is a sure preventative. If your Druggist or Poultry Supply Dealer cannot supply you send order direct to us. We will forward on first mail.

Price, 50 cents per box, postpaid.

G. E. CONKEY & CO.
No. 52 Ottawa Bldg. Cleveland, Ohio

VALUABLE BOOK ON POULTRY DISEASES

We have just published a new 48-page book entitled "Poultry Diseases and Useful Information," which we are selling at 25 cents each. We will send it to anyone on receipt of two 2 cent stamps, if he will mention this paper and give us the name of the party from whom he buys his poultry remedies or supplies. Send for it today—the most reliable book published.

Agents Wanted Everywhere for Conkey's Poultry Remedies.

Pacific Coast Agents: Petaluma Incubator Co., Petaluma, Calif.

PHEASANT RAISING AS A BUSINESS EXCEEDINGLY BEAUTIFUL AND CAN BE MADE PROFITABLE.

BY FRANK FELL.

The breeding of pheasants as a business in this country is as yet in its infancy. I look forward to a great future for this hardy game bird. I say hardy for while the young pheasants can not be called hardy the mature birds are extremely so, standing our severe northern winters with no apparent discomfort. There are many varieties of pheasants, but the English ring-neck is most largely bred and is considered most suitable for stocking game preserves. The plumage of the cocks is very beautiful while the hens are arrayed in more modest hues. The body of both male and female is very compact and they furnish in proportion to their size an abundance of fine grained juicy meat, that will when properly cooked tickle the palate of any epicure.

The other breeds of pheasants are raised mainly for their beauty and a pen of golden pheasants would be an ornament to any well kept lawn. The reader will find in any good cyclopedia a description of the different breeds and crosses.

The eggs of the English pheasant are as a rule very fertile and a ninety per cent hatch is not an uncommon thing. The rearing of the young birds is, however, the difficult part of the business. To be successful one must procure eggs from stock that has not been inbred for too long a time. As a rule the common hen is used to incubate the eggs and brood the young. For this purpose select a hen of medium size and mild disposition and be sure that she wants to sit. Having constructed the nest, which should be on or near the ground, place the hen on the nest and give her two or three common eggs to set on for a day or two, after which they may be removed and the pheasant eggs placed under her. If all goes well the young pheasants will make their appearance in from twenty-two to twenty-four days. They should be left entirely alone for twenty-four hours—this is very important. The shells and any infertile eggs that remain may be removed but further than this they should not be disturbed. At the end of twenty-four hours the hen and young birds may be placed in the brood coop—any coop suitable for chicks will answer the purpose. Each coop should be furnished with a small yard about 3x6 feet and 1 foot high, sides and top covered with one-half inch mesh wire. The young birds are wild little things and would scamper off in the deep grass and get lost, unless provided with a yard such as I describe. It will take the young birds a day or two to learn their foster mother's call and they will have to be tucked under her a few times until they know where to go for warmth.

The question of food is an all important one. A custard made by adding one tablespoonful of sweet milk to one hen's egg, beating together and cooking until quite dry and crumbly, is excellent for the first few days; it should be fed sparingly, never more than they will eat up clean in a short time; if any remains remove it. It is a mistake to leave food before them at all times; feed a little at a time and often; say every three hours. Some fine grit should be provided so that they can help themselves. Green food

SALZER'S SEEDS.

Send 10 cents in stamps for mammoth 140 page catalogue and receive a large number of seed samples free.

Salzer's Billion Dollar Grass yields 14 tons hay per acre; does well everywhere, will do well for you.

John A. Salzer Seed Co., La Crosse, Wis.

SUPERIOR EGG PRESERVER!

Our Egg Preserver is guaranteed to keep eggs fresh and sweet indefinitely. Invaluable to the family and to the Egg Shipper. Buy eggs during the summer and hold them for winter prices. Price, \$1.00 prepaid, sufficient to preserve 1000 eggs. Complete instructions. No extra expense or attention required. Address

Neuralg Chemical Co. Dept. D, Emmitsburg, Md.

Special Sale Golden Wyandottes

After June 1st I will sell my this year's breeding stock, including any or all of my Chicago winners, at greatly reduced prices. First orders filled first. Order early if possible, as this is a rare opportunity to get fine stock at reasonable prices.

A. W. DAVIS Box 20, Big Rock, Ill.

INDIAN GAMES

Winners at Peoria, Burlington and Monmouth. True Indian Game shape and properly colored. Eggs from pen No. 1, \$3 straight; other pens, \$2 per 13; \$3.50 per 26; \$5 per 40.

Geo. Woelber, Monmouth, Ill.

WHITE WYANDOTTES

Young and old stock for sale with score card. Good Trios \$5.00. Eggs \$3.00 per 15. \$5.00 per 30. Incubator eggs \$4.00 per 100. Fifty pullets from \$1.50 up.

M. L. O'NEIL

408 W. Charles St.

OELWEIN, IA.

MILES' BARRED ROCKS

are in front among the best on earth. Distinguished for unusually narrow, clear, ringy barring, birds of my exclusive breeding in my hands winning five-sixths of the prizes competed for. EGGS from Wilkesbarre, Pittsburg, Elmira and Auburn winners, 30, \$3; 56, \$5.

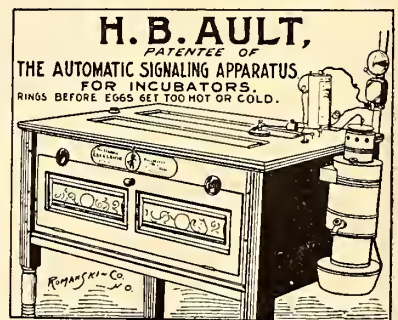
G. A. MILES, Laceyville, Pa.

BUFF ORPINGTONS

(SINGLE COMB)

Express prepaid on Eggs. Grand shape, solid buff throughout, rich under color. Catalogue, giving winnings, photos from life, etc., free. Eggs \$3.00 per fifteen.

WILL H. SCHADT Goshen, Ind.
Sec. National S. C. Buff Orpington Club.



AN INVENTION OF VALUE

Money Made, Money Saved, by attaching one of these automatic signaling apparatuses to your incubators which will save you eggs, chickens, time and money. It will ring the bell just as sure as anything goes wrong with your incubator day or night. You can place the bell in your bed-room and your incubator in your poultry house; it will ring just the same as if the bell was on your incubator. You will hatch a better per cent of eggs and healthier chicks. Easy attached and each outfit guaranteed. Price within reach of all. For prices and circulars address

AULT BROTHERS P. O. Box 567 Mobile, Ala.
AGENTS WANTED

CHOICE REGISTERED COLLIES

Pure bred, for sale at from \$10 up according to age and breeding. Great home dogs and stock workers.

A. D. BURMAN 2413 Y Street, Lincoln, Neb.

Mason's Buff Rocks

The World's Fair Winners

are laying eggs at \$5 per 15 that will hatch blue ribbon winners for you. Prize winners are hatched this month.

H. P. MASON Fayette, Mo.

Stearn's Bone Cutter

Shipped anywhere on Thirty Days' Free Trial. Fowls fed on the green bone ration as prepared (milled) by the Stearns Cutter will double their egg output in fall and winter. You write at once and get the bone cutter book. It proves that poultry profits can be increased the year 'round. Do it now.

E. C. STEARNS & CO. Box 100, Syracuse, N. Y.

CUT PRICE IN EGGS

75 cents per 15, \$4 per 100. Choice breeding stock going at \$1.00 each.

Northwestern Poultry Farm, L. B. Jennings & Son, Polk City, Ia.

Black and White Langshans

At Wabash Valley Poultry Show on Black Langshans, 1st cock, hens and pullets, scored from 90 to 94. On White Langshans, 3d cockerel, 3d pen, in large class. Eggs from above prize winners at reasonable prices. Write your wants. Will treat you right. Frank L. Riffert, Box A, Haubstadt, Ind.

H. O. SEARS

Is selling eggs from his B. P. Rocks, Pekin, Rouen and Indian Runner Ducks at \$2 per setting. Also Bronze Turkey eggs at \$2.00 per 9. Every breeder a winner. Order from this ad.

H. O. SEARS

L. Box 6, Garden Prairie, Ill., U. S. A.



Doolittle Partridge Wyandottes

Best on Earth, 10 cents for nest and most complete catalogue to date. Eggs from World's Fair champions \$2.50 for 15 after June 1st.

W. A. Doolittle Sabetha, Kan.



PARLOR POULTRY YARDS, F. C. Tabor, Prop., Worcester, N. Y. Tabor's 200-egg strain of R. C. B. Leghorns lead, others follow. At Madison Square Garden, Jan., 1905 1st cock bird in the strongest class ever shown at the great World's Fair, St. Louis, 1904, 4. 6 hen, 6th pullet, 2d pen. Eggs from special matings \$1 per 13. Catalogue free. Stock for sale.

CHICK, CHICK, CHICK

If you want to raise your little chicks use

ARISTON CHICK FEED

Carefully prepared and the standard for quality. Send for sample and price.

PIGEON AND POULTRY FEED

Wheat, Kaffir Corn, Eng. Maize, Flint Corn, Broken Rice, Buckwheat, Peas, Millet, Rape Seed, Hemp, Tick Beans, Canary Seed, Lentils, Vetches, Hulled Oats.

DONOVAN & BURNS

Successors to John H. Boschen & Bro. 246 Fulton St., New York.

of some kind is almost indispensable; tender lettuce and chickweed is greatly relished by young pheasants. After a few days they may be given a few ant's eggs, which is one of the natural foods of pheasants in the wild state. Do not overfeed as it is apt to bring on bowel trouble which is quite fatal. Perhaps more young pheasants find an early grave through overfeeding and its subsequent evils than from any other cause unless it be lice. Dampness is another cause of bowel disorder. The young birds should not be let out in the morning until the dew is off the grass. The drinking vessels should also be so constructed that the bird can not get wet. If the bowels seem too loose a little scalded rice will be found a good remedy; it should be given as a regular meal—as much as they will eat up clean. Look out for lice, or rather look for lice. If any exist they will be found on the head and under the wings. A little Persian insect powder dusted on will remove them for a time, but they should be looked after often. Pheasants and lice can not be both raised in the same coop with any degree of success. When the young birds are eight weeks old the danger period is about past, when they may be fed wheat, cracked corn and an occasional feed of cut green bone. Spratt's patent game food is excellent for young and old pheasants. Old pheasants should be fed the same as chickens, except that they do not take kindly to soft food. The pheasant hen in confinement lays from forty to fifty eggs during the breeding season which is from April to July.

The later eggs as a rule do not hatch as well as do those laid earlier in the season, nor are the young as easily reared.

No expensive buildings are needed for housing old pheasants for in any but extremely cold weather they prefer to remain outside. Some arrangement for protecting them from the north and west wind should be provided. A hedge of evergreens would afford them proper shelter. The breeding pens should be mated up in March in the proportion of one male to four or five hens. Any food ration that is considered good for increasing the fertility of hen's eggs is recommended for pheasants during the breeding season. I believe that the time is not far distant when the pheasant will be found in the yards of many of our leading fanciers, for surely they have merits possessed by no other game bird. Mayville, Wis.

SHIPPING BIRDS.

When birds are shipped and cooped for three or four days I think they suffer more from thirst than food. The following is my way: Take a new, clean sponge, soak it out good in water, then drive a nail through it in top of cup in corner of coop; also another nail through to keep from tipping. Water spills out easily. This will hold it in place as the sponge soaks it up. Put another cup in opposite corner for feed. When putting on top slats leave opening above the cups, and they can be filled by express employees. A small bag of grain can be attached to coop. I also include a small head cabbage. Have shipped birds as far as Kansas, Texas and Massachusetts this way with good results. EDWIN W. STAEBLER. Cleveland, Ohio.



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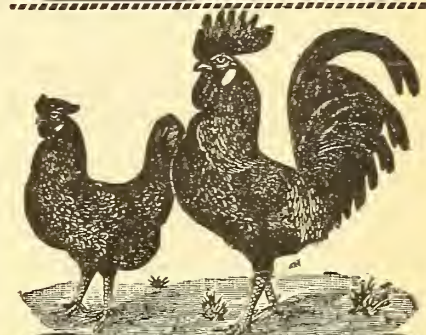
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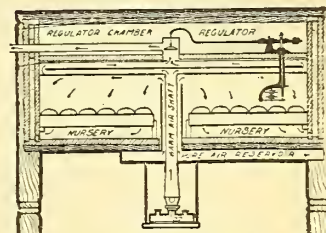
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Brooders, Poultry Houses, Trap Nests, etc.

"Better than the Rest."

A 200-Egg Warm Air or Water Incubator for \$12.00. Five walls, three of wood and two of strawboard.

Write for 1905 catalogue and learn all about the **only** perfect, practical and popular priced line of poultry goods on the market. Quality right. Price right.

The Dandy Poultry Novelty Co.
Box 23, Danville, Ill.

Questions and Answers

Questions asked by subscribers will be answered in this department.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—What is Water Glass? We notice it mentioned in your paper several times as a good preserver of eggs, but we can find no one here who knows what it is. S. D. G. Co.

Wortham, Texas.

ANSWER:—We have had a number of inquiries similar to the above, therefore we give the following statement in regard to waterglass:

For several years the experiment stations have been making every effort to find a method by which eggs may be preserved more successfully and the results of the various tests made are quite interesting. Thus far the most promising results have been obtained from the use of what is known as waterglass. This in an inexpensive product, costing about 50c per gal. A gallon will make enough solution to preserve something like 50 doz. eggs, so that the cost is about 1c per doz.

Water glass is sodium and potassium silicate, sodium silicate being usually the cheaper. It can be purchased at all wholesale druggists and at most retail ones.

Among the stations which have given the preservation of eggs much consideration is that of North Dakota where the use of waterglass has been quite thoroughly tested. In a recent press bulletin issued by that station the following precautions and directions concerning its use are given:

The eggs to be put down by this method must be fresh and not stale store eggs. A few stale eggs will soon injure the entire lot. One party reports that he put down two lots of eggs, 50-gal. jars in each case: one lot strictly fresh eggs, the other contained some stale store stock; the first was a complete success while the second lot came out about like the ordinary packed eggs, some fair, some spoiled.

A good grade of waterglass must be used. Some of the cheap waterglass contains so much of free uncombined alkali that the eggs preserved in such solutions become watery and acquire a bad flavor. Waterglass in the form of heavy white jelly which flows like heavy cold molasses is to be preferred. Of this grade of waterglass somewhat less is needed than when the thinner product is em-

ployed. The dry powder waterglass has not as a general rule dissolved fully in hot water, and for that reason has not proven as satisfactory as the first named product.

Galvanized iron vessels, crocks, jars, etc., may be used in which to preserve the eggs. Wooden kegs of good quality are satisfactory, but these must be thoroughly sweetened by scalding with boiling water. There have been a few complaints that barrels have not been entirely satisfactory as the waterglass dissolved some products which deposited on the eggs.

In preparing the solution use pure water that has been thoroughly boiled and then cooled. To each 10 qts. of water add 1 qt. or slightly less of waterglass. When the heavy jelly-like solution is used, $\frac{3}{4}$ -qt. of waterglass will be ample.

The solution may be prepared, placed in the jar and fresh eggs added from time to time until the jar is filled, but, be sure that there is fully 2 in. of waterglass solution to cover the eggs.

Keep the eggs in a cool, dark place and well covered to prevent evaporation. A cool cellar is a good place in which to keep the eggs. If kept in too warm a place the silicate is deposited and the eggs are not properly protected. Do not wash the eggs before packing, for by so doing you injure their keeping quality, probably by dissolving the mucilaginous coating on the outside of the shell.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you kindly answer this question in your Question and Answer department: Is rice a good feed

JUST OUT! READY TO GO INTO THE
EVER DEPENDABLE PEEP-O-DAY BROODERS
READ WHAT USERS HAVE TO SAY:

RICHMOND, VA., April 7, 1905.
CORNELL INCUBATOR MFG. CO., Ithaca, N. Y.
Gentlemen,—I have 64 chicks in a No. 2 Peep-O-Day Brooder and they are growing like weeds; have not lost a one.
I don't have any trouble raising every chick with the Peep-O-Day, and it gives me pleasure to recommend it to my friends. Yours respectfully,
WALTER BURTON.

RICHMOND, VA., April 7, 1905.
CORNELL INCUBATOR MFG. CO., Ithaca, N. Y.
Gentlemen,—I have been a user of Peep-O-Day Brooders for several years, and can frankly say they are the best I have ever had or used in fifteen years' experience. Very truly,
DR. F. S. BULLINGTON, Sec'y,
Virginia Poultry Association.

ATTICA, N. Y., April 4, 1905.
CORNELL INCUBATOR MFG. CO., Ithaca, N. Y.
Gentlemen,—Last year I purchased one of your Peep-O-Day Brooders and placed 34 chicks therein; I raised everyone of them. That was good enough. Yours truly,
J. L. TURRELL.

CONNECTICUT AGRICULTURAL COLLEGE,
STORRS, CONN.
CORNELL INCUBATOR MFG. CO., Ithaca, N. Y.
Gentlemen,—The six Peep-O-Day Brooders recently installed in our new brooder house are working perfectly. We have recently had some very severe weather, but the baby chicks entrusted to these foster mothers are thriving and growing. Very truly yours,
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NONE BETTER EGGS \$1.50, \$3 and \$5 per 15. Half price after May 1st. Large, instructive annual EGG folder free. Many fine breeders after hatching season at right price. **WILBER BROS.**, Box B, Petros, Tenn., U. S. A.

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Farm and Garden Implements—seed Drills, Wheel Hoes, Riding Cultivators, Potato Planters, etc., are all described in our new book. It's free. Write for a copy. **Bateman Mfg. Co.**, Box 119, Grenloch, N. J.

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Eggs in season \$2 and \$3 per 15. Prize winners for twenty-two years.

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This Will Interest Many.

F. W. Parkhurst, the Boston publisher, says that if anyone afflicted with rheumatism in any form, or neuralgia, will send their address to him at 57 Shawmut Bldg., Boston, Mass., he will direct them to a perfect cure. He has nothing to sell, or give, only tells you how he was cured, after years of search for relief. Hundreds have tested it with success.

CHRISTOPHER STRAINS

You pay bigger prices but get no better birds. I have spent years in developing just two breeds—my favorites, **BARRED AND WHITE ROCKS**. Finely pointed birds of all ages and guaranteed fertile eggs at living prices. I solicit a trial order.

KICKAPOO POULTRY YARDS,

JAS. CHRISTOPHER, Prop., Heyworth, Ill.

IDEAL TRAP NESTS



Show Which Hen Laid The Egg.

They work for the user's interests without watching. Proved by five years of practical work. No freight. Circular free.

F. O. WELLCOME, York St., Yarmouth, Maine.

MAKE FARMING PAY LARGEST PROFITS

by locating in a section where you will find the Cheapest Good Lands, where a greater number of profitable crops can be raised, and where there are good markets paying the highest prices. The South, in the Southern Railway Territory, offers healthy, mild, equable climate, desirable lands, good markets, the greatest advantages for stock raising, dairying, grain growing, grasses, tobacco, cane, fruit and truck. Government statistics show largest value in crop yields per acre are in this territory. Cheap rates. Information about lands and crops furnished.

MR. M. V. RICHARDS Land and Industrial Agent, Southern Railway, Washington, D. C., or

CHAS. S. CHASE 722 Chronicle Building, St. Louis, Mo., or

M. A. HAYS, Agent 225 Dearborn Street, Chicago, Ill.

for chickens? If so, at what age of the chick should you start feeding it? I can get it in the rough or clean state very cheap. **W. H. M.**

Beaumont, Texas.

ANSWER.—Rice is a very good food for fowls, except that it has a tendency to make them too fat. Boiled rice is splendid feed for young chicks and can be fed almost from the start. We believe that for mature birds rice in the rough state would be best.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Can you advise me of any remedy to keep hens from setting?

2d. How long a time will eggs keep before putting under hen or in incubator?

3d. Can you get good results from turkey eggs hatched in incubator?

O. W. B.

Chico, Calif.

ANSWER.—By confining the hen in a bare coop for a few days will generally have the desired effect.

2d. From three to four weeks; but for best results should not be kept longer than a week or ten days.

3d. Yes.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer the following questions in your journal:

1st. Should the incubator door be left open while turning the eggs?

2d. Why is it that chicks die in the shell?

J. J. F.

Cumberland, Md.

ANSWER.—1st. No. 2d. There are several causes for this. Frequently it is caused by the lack of fresh air during incubation. Sometimes it is caused by lack of vitality in the germ. Disease in the flock will also bring about this result. It is also caused by lack of moisture.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please give me through your "Questions and Answers department" the standard weight of Barred Plymouth Rocks, for cock, cockerel, hen and pullet?

C. M. R.

Toledo, Iowa.

ANSWER.—Cocks, 9½ lbs.; cockerels, 8 lbs.; hens, 7½ lbs.; pullets, 6½ lbs.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—How many Brown Leghorn hens should be penned with one vigorous cockerel of same variety? I have 20.

H. W. C.

Saratoga, N. Y.

ANSWER.—Where they are confined in limited runs, from 12 to 15 is sufficient.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer through the columns of your questions and answers department the following: If one would purchase ten or fifteen settings of eggs from different breeders and would get say one good bird from each setting, then mate them what would be the result of such a mating?

N. W.

Corydon, Ind.

ANSWER.—It is impossible to say what the result would be.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer the following question through your paper: Will thunder affect eggs during incubation?

O. C.

Lindewood, Ill.

ANSWER.—Not unless the lightning should strike very close to where the eggs are located.

Flushing Poultry Yards

H. D. ALDRICH, Prop.

LEGHORNS

ROSE COMB BROWN,

2d prize pen Madison Square, New York, 1905.

ROSE COMB WHITE,

1st prize pen Madison Square, New York, 1905

ROSE COMB BUFF,

1st prize pen Madison Square, New York, 1905,

BAYSIDE AVE., FLUSHING, N. Y.

R. C. White Leghorn Cockerels

Bred from winners at Illinois State Show, Peoria, Chicago, Springfield, Jan., 1905, and St. Louis World's Fair, 1904, at \$1.50, \$2, \$3 and \$5. Catalogue. EGGS from four pens containing my best Leghorns \$1.50, \$2, \$2.50 and \$3 per 15. Light Brahmas, Barred P. Rocks, Single Comb Buff Leghorns, Pekin Drakes.

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BIG MONEY IN EGG-KEEPING



You can more than double your egg money by putting down eggs in Spring at 14 or 15 cents per dozen and selling them later at 35 to 40 cents. Our method keeps them fresh and palatable. Write for our booklet which tells how to do it. It is FREE.

NEW METHOD EGG KEEPER CO.

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WILLETT'S EGG PRESERVER

keeps eggs as fresh as the day they were laid. Cheapest and best egg preserver on the market; used and endorsed by poultry raisers everywhere.

PURE WATER GLASS,

does not affect the flavor of the eggs, preserves them in perfect condition. One gallon is sufficient for 100 dozen eggs. Price, pint, 15 cents; quart, 25 cents; half gallon, 50 cents; gallon, \$1.00. Address

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for a few months. It will be a good time to outfit. Same machines, same selling plans.

40 Days Free Trial, 5 Years Guarantee.

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makes chicks strong and healthy and helps them to grow quickly.

Raise every chick you hatch

Cyphers' Chick Food is the next thing to feed and furnishes the proper nourishment.

Roup cures. Apply the cure right at the start and prevent the disease from spreading. Have you a supply on hand?

Send for our free illustrated

Poultry Supply Book

and find out about the different poultry-helps.

Johnson & Stokes Dept X 217-219 Market Street Philadelphia

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you kindly let me know through the JOURNAL, what is the right color of Buff Orpingtons. Some I bought are dark yellow and some are pale, very nearly white color. I am a beginner in the poultry business and know nothing about them. J. W. M. Princeton, Ky.

ANSWER:—A rich golden buff throughout. They should not be too dark nor too light in shade, but should be uniform in color.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Would you kindly answer this question in your next issue of the AMERICAN POULTRY JOURNAL. Is strictly fresh beef blood good, or not better than fresh ground bone for laying hens? If it is how much would you give to twelve White P. Rock hens and how often? W. I. C. Ravenna, Ohio.

ANSWER:—Fresh beef blood is good for laying hens; but we do not believe it is as good as fresh ground raw bones. Two ounces to each bird three times a week is sufficient.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer in your next issue of AMERICAN POULTRY JOURNAL these questions:

1. What besides too fat a condition causes egg bound and what to do for it?
2. What causes broken down crop and can anything be done for it?
3. What simple home remedy is good for slight diarrhea in poultry? Have tried kerosene in food and drinking water, but they won't eat or drink it.

Mrs. G. E. W.

Twelve Mile, Ind.

ANSWER:—1. This may be caused by irritation of the lower part of the oviduct arresting the secretion of mucus and causing the mucous membrane to become dry and lacking in its normal lubrication. In the early stages when the irritation is slight, it is sufficient to inject a small quantity of olive oil and gently manipulate the parts. Afterwards give cooling food, and if hens are too fat, reduce the ration.

2. This is caused by a diseased condition of the muscles of the crop which

prevents the crop performing its natural functions and thereby becomes overloaded and thus strains the tendons which hold the crop in place. This condition cannot be successfully treated.

3. Put a handful of oatmeal in the drinking water or give boiled milk to drink. Give a tablespoonful of olive oil as a laxative to carry off any irritating matter that may be in the intestines, then follow with 1 grain of baking soda in a little water three times a day. A piece of camphor gum about the size of a pea is also good.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I have several hens that seem to be losing the use of their legs; they will totter along a short distance and then squat down as though their legs were weak, they eat well and don't seem to be sick. They are in good condition. Please answer in your next issue, tell me what ails them, the cause and cure. C. E. B. Plymouth, Maine.

ANSWER:—Rheumatism. Affected birds should have frequent change of ration, with plenty of green feed. Begin treatment with a dose of Epsom salts, 20 to 30 grains. The following day add 30 to 40 grains of bicarbonate of soda (baking soda) to the quart of drinking water and give 2 or 3 grains of salicylic acid twice a day.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer in your next issue of your paper the following question. My hens are troubled a great deal with being egg bound and they lay a great many soft shelled eggs. They can hardly walk for awhile, then they get rid of a soft shelled egg and are all right afterwards; but they get that way often.

Please tell me what is the matter and a remedy. They have oyster shell grit and old house plaster where they can get it when they want it. I feed them cabbage, turnips, beets, sweet apples and sunflower seeds twice per week. I feed some of the above green stuff every day. Their grain ration is equal parts, wheat, oats, corn and barley, fed morning and night. I feed a warm mash at noon with meat meal, I feed what they

will eat up clean each time, fresh water twice daily. They have dry, warm quarters. Grain is fed warm. O. B. West Winfield, N. Y.

ANSWER:—Fowls are probably too fat. Read answer to Mrs. G. E. W., Twelve Mile, Ind.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Last year my turkeys while sitting would pick their feet. One hen while hatching picked her feet until they looked like they were burnt, had to take her eggs from her. Shall be very grateful for any advice that you can give me through your question and answer department in regard to this. Mrs. G. H.

Flat Rock, Ill.

ANSWER:—Your turkeys were evidently troubled with vermin. Rid them of vermin and make them as comfortable as possible and you will not have this trouble.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer the following questions in your paper? Is the S. C. White Leghorn the most profitable for an egg producer? For a location would the southern part of Ohio or the southeastern part of Pennsylvania be better for winter layers than here? Is Cincinnati as good a market for eggs as other northern cities. G. W. B. Cleveland, Ohio.

ANSWER:—The S. C. White Leghorns are good layers, but we cannot say that they would be more profitable than some of the other varieties. Locate as near your market as possible. Cincinnati is considered a very good market for eggs and fowls.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer the following questions in your JOURNAL for a beginner:

If two years is long enough to use a bird as cock, what should be done with him? Is he then past his usefulness? Or still fit to put with another flock of same strain; and should a male of another strain be introduced into the flock?

How old is a hen before she is too old to use as a breeder? Which is best for the purpose—pullet or hen? If hen, to

RESULTS

READ THEM. SINGLE COMB WHITE LEGHORNS

Thirty pens of pure white hens, many great winners, headed by pure white roosters and cockerels, many big winners at the great shows. Many of these hens weigh 7½ lbs. are the heaviest Leghorns, great foragers and good layers. I have no culls or common stock. My patrons get eggs same as I use, from each of these pens at \$3 per 10; 75c per sitting. Order direct from this or send for circular.

H. C. BEEBE,

R. 5, CANTON, ILL.

A Paper Incuba

An April Hatch Report, 100 per cent or all chicks hatched. Air, and tons of it, does the trick.



tor and Results.

A one hundred and fifty egg machine weighs only eighty pounds.

Decatur, Ind., April 22, 1905. Gents—Just got a wonderful hatch from your Paper Incubator. I put 72 eggs in the incubator and got 65 of the largest and strongest chicks I ever saw—not one cripple, not even one dead in the shell, and not one had to be helped out. The temperature ran all the way from 98 to 106 degrees. This proves that an even heat and the regulator is not the making of a good hatch, but as you say tons of air and a natural heat, and not a bake oven heat.—JOHN LOSE.

Denver Mountain Light Air Climate Results. Denver, Colo., April 21, 1905. I was just out to the ranch and the chicks in your paper incubators are hatching something wonderful. I will report in full later. We have for years tried all makes. Hundreds of poultrymen could not get one-fourth of the chicks out of the shells. This New Natural Heat and Tons of Air Incubator will cause a revolution among us. Light, dry air, mountain climate. Poultrymen, hens can hatch all why not other incubators, but your incubator will do just what hens do here. We find the even heat and a regulator is all wind, a hen has no even heat by ten degrees. W. T. Beaus & Co. Brooder Reports; 100 per cent or all raised. Springport, Mich., March 14, 1905. We raised all the chicks in your Brooders.—Rev. Geo. Curtis. Oakland, Cal., Jan. 4, 1905. We have this year and last year time and again raised every chick put in your brooders on a large scale.—J. H. Crow. Armour Packing Co., Dallas, Tex. In 1904 we raised all the chicks put in your brooders on our ranch.—P. E. Gallot, Supt. Newark, N. J. We want three or four more brooders at once. We never saw chicks grow so, and all of them can be raised in your brooders. At last we found a brooder that has a natural heat and airy system.—F. Schroeder, 854 S. 14th St.

John M. Sontag, Patente, formerly with The Perpetual Hen Co., remains with the New company. Send 15 cents for catalogue and book, Natural Laws and Hens Secrets.

PERPETUAL HEN INCUBATOR and BROODER WORKS (Sontag Patents)

ROBT. N. OLIPHANT, Prop., Trenton, N. J.

CYPHERS INCUBATOR CO.

Branch Houses From
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Your Choice of
BROODERS.
Four Styles—Five Sizes.

Cyphers Style A Brooder and Chick Shelter. Sold separately if desired.
(Our Catalogue illustrates four different styles of Brooders.)

Our ability to furnish you with Brooders to suit your individual requirements is unequalled. We have the largest Incubator and Brooder factory in the world. In 28 working days this spring we manufactured 2,652 Brooders of Four Different Styles, representing the Limit of Brooder Construction to this date. The real test of a Brooder is the actual work it does in the hands of men and women who have had no experience. Thousands of Cyphers Brooders are in operation by such persons and we have hundreds of letters telling of their good work. The following are examples:

"My best hatch with your Incubator was 65 chicks from 69 eggs. I raised them in one of your out-door brooders without the loss of one chick. I consider this is very good for a man who never operated a machine before."—W. H. Lawler.

"I received your brooder all right. You could not have it back for the same money. I put in 75 little chicks and raised every one of them. The brooder heats the hens. The Cyphers is indeed the brooder for the amateur as well as the expert."—Oliver L. Mace.

Don't risk losses of well-hatched chicks by using an inferior, wrongly constructed brooder. Having hatched your chicks, **Don't Court Failure.** Secure at once one of the following styles and be a successful poultry raiser.

Cyphers Unequaled Outdoor Brooder, Style A—We have manufactured these brooders during the past six years and the best proof of their merit is that thousands are sold yearly. This brooder is durably built, is fire proof, rain-proof, and storm-proof, and is a safe home for chicks. It is divided into two large, well-lighted apartments, insuring healthful sleeping quarters for the chicks. **Price, 100-chick capacity, \$12.00.**

Style B, Indoor Brooder—The Cyphers Indoor Brooder, style B, is first-class in every respect. This brooder has two separate apartments, thus supplying a temperature under the hover that is at all times several degrees warmer than that of the chamber outside the hover. **Price, 75-chick capacity, \$10.00.**

Storm King Outdoor Brooder. This is a combined brooder and colony coop and is manufactured in two sizes. The construction of this brooder permits the heating device to be taken out when the chicks no longer need heat, and this gives them the entire floor space, thus making a cool brooder. When it is time to provide them with roosting quarters, the floor may be removed and roosts placed on the floor cleats, thus making a well-lighted, well-ventilated colony roosting coop. **Price—No. 1, 50-chick capacity, \$6.00; No. 2, 100-chick capacity, \$8.00.**

Hare-Curtis Hygienic Indoor Brooder. This utilizes perfectly the diffusive principle of ventilation. It is composed of three apartments. It has a removable floor built in one piece, and an outer and an inner cover. The arrangement of these covers effects a graduated warmth from the outside atmosphere to the temperature of the brooding apartments. This brooder is made at as low a price as is practicable with first-class construction. **Price—100-chick capacity, \$7.50.**

The Tender Life of the Newly Hatched Chick

is strengthened by our scientifically mixed seeds and grains, which induce exercise, and by their great variety and wholesome condition put on flesh and muscle quicker than any other food on the market, while preserving health. "Wholesome" means much when applied to

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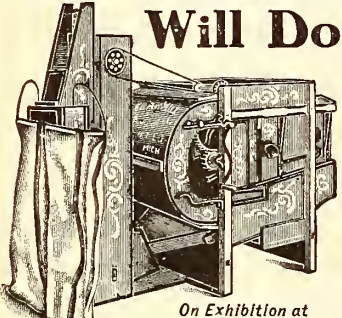
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what age? What should be done with the old fowls? I am referring to the best strain of S. C. White Leghorns.

After mating season is over should the male be separated from the flock? And do breeders who have fine strain do this when they sell eggs for market purposes to protect their best eggs at market prices? I want to get a good fowl for market and table use as well as fair egg producers. Are the White Leghorns at all adapted for the purpose? If not, could you suggest a breed that is?

Ashland, Ore.

H. J. E.

ANSWER:—The question of when a male bird has passed the period of his usefulness depends altogether upon the bird. We have known male birds to be strong and vigorous in their fifth year; others that were of no use the second year. Questions of this character must be decided by the breeder. A hen, if she is a good specimen, is never too old to be used as a breeder, providing she is healthy and vigorous. If the object is egg production, the females should not be kept longer than three years. Statistics prove that hens lay more eggs during the first two years than after that period, and the old hens should be disposed of in whatever way will be the most profitable, either for breeders or fattened and sold to market. Male birds should not be allowed to run with hens after the breeding season is over.

Any of the American classes, such as Rocks, Wyandottes, etc., are well adapted for your purpose. The Langshans, Brahmas and Cochins are all grand, good breeds, and you no doubt could make a success with any one of them, but we always leave the choosing of the variety to the one who has to take care of them.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—In Questions and Answers will you kindly answer the following question?

I wish to send my cockerels to the ranch for the fall and winter, to run with a mixed flock of hens. If I mate such blooded cockerels with my blooded hens will the eggs hatch blooded chickens?

Mrs. E. A. E.

ANSWER:—Yes. Running with the mixed flock will not affect the cockerels.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you kindly answer the following questions through the AMERICAN POULTRY JOURNAL:

1st—My Barred Rock hens and pullets seem a little droopy; eat hearty. Some seem to have difficulty in swallowing. On picking them up I find them to have no weight about them at all. I seldom find one with anything in its crop.

2nd—What is the cause of hens and pullets eating dirt? Have had several to eat dirt until their crops would almost overbalance them. Were on open range and had plenty of good feed and green grazing.

3rd—I lost a fine Slate Gobbler affected as follows: Mouth filled with stringy froth. Could hardly swallow. Droppings healthy on first day; second day droppings thin, watery and green; third day droppings thin, green, and the white part deep yellow. His throat was still filled with phlegm and he could not swallow and seemed very weak and soon died.

Mrs. J. T. G.

Corsicana, Texas.

ANSWER:—1st—Lice is probably the main cause of the trouble with your fowls.

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T. R. McDONALD

R. R. 1, Winchester, Ky.

2nd—We have never had a case of this kind brought to our attention before, therefore we are unable to answer.

3rd—The symptoms would indicate congestion of the lungs, complicated with a disarrangement of the liver. The treatment for this disease must consist entirely of measures for its prevention, since the course of the disease, when once developed, is exceedingly rapid and fatal.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in your next JOURNAL:

1. Does gasoline soil the plumage or take the color out?

2. How is the best way to ventilate a small coop about 6x4 feet?

3. What color of bird stands the cold best, between white and black? C. R.

Canton, Ohio.

ANSWER:—1st. Gasoline has a tendency to make the plumage hard and brittle and very easily broken, and we would not advocate its use on the plumage. 2d. Wherever possible the ventilation should be made through the roof, and the ventilators so arranged that there will be no direct draft on the fowls. 3d. We don't believe that color has anything to do with it.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—1st—If I set S. C. White Leghorns this spring could I breed with safety from this lot next year? If not should I get settings from different firms of this strain and by keeping them separate could I use the cock from one and hens from the other?

2nd—In getting eggs for White Leghorn strain would it do to get some of S. C. White Leghorns and some of R. C. White Leghorns and mix them, or should

I hold to the one strain for eggs to sell for settings? Please tell me how I may best begin.

3rd—If it is not well to mate young pullets too soon, should the cockrels be separate from these, and if so how long? Ashland, Oregon.

H. J. E.

ANSWER:—1st—If the party from whom you secured the eggs has line-bred stock, would be better not to mix the strains.



WHITE PLYMOUTH ROCK.

First cock at Boston, 1905. Bred and exhibited by Chapman & McQuillande, West Hartford, Conn.

2nd—It would be a great mistake to the single comb and rose comb varieties, as by so doing you spoil both and would have nothing but a lot of mongrels as the result.

3rd—The cockerels should be separated from the pullets as soon as the sex can be determined, and kept separated until the mating period.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you kindly let me know through your questions and answers column of your next issue of AMERICAN POULTRY JOURNAL, how many females to each turkey tom for good results, and also if it will be all right to mate turkey hens with their sire, last year being his first year with the flock.

G. M.

Melvin, Minn.

ANSWER:—Twelve females to one male is considered about the right proportion. By mating the hens with their sire you will be taking the first step in line-breeding, and this is what a great many of our most successful fanciers are advocating nowadays.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I have a very valuable cockrel that I sent to a show and when he returned I noticed he had a watery discharge from his eye and nostrils. I began doctoring him at once for roup, by applying sweet oil and alcohol to the parts, and seem to have got the disease very well under control. But it seems to have settled under one of his eyes and leaves a bunch about the size of a lead pencil and prevents him opening the eye entirely.

I have lanced this bunch but it contains no matter, and have been applying Tincture of Iron for sometime but it seems to do no good. He eats well and seems to be in very good health otherwise. Do you know of anything I could do for it, and do you think he would be all right to breed to?

R. D. C.

Storm Lake, Iowa.

ANSWER:—Bathe the affected part with warm witchhazel three times a day. If this does not have the desired effect, paint the swelling with tincture of iodine

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They win for my customers too. First-class stock for sale. Eggs from best pens, \$3 per 13; incubator eggs, \$5 per 100.

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T. CADWALLADER, Box 802, Salem, Ohio.

twice a day. We don't believe it would be safe to use him as a breeder this season.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer the following questions in your next issue:

1st.—Have a hen that coughs and has a rattling in the throat; sometimes as if choking; is there any remedy for this, and is it catching?

2nd.—Have one hen that seems weak in the legs; cannot eat standing up; what causes this, and can it be cured? She seems healthy otherwise.

Turtle River, Minn. F. A. T.

ANSWER: 1st.—This is bronchitis. Give ten drops of spirits of turpentine in a teaspoonful of castor oil, and repeat this dose after five or six hours. This is not contagious.

2nd.—Rheumatism. Give Epsom salts, 20 to 30 grains. The following day add 30 to 40 grains of bicarbonate of soda (baking soda) to the quart of drinking water and give 2 or 3 grains of salicylic acid twice a day.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer in your May issue of the JOURNAL the following:

1st.—Is caponizing very common among market poultrymen and do you consider it practical?

2nd.—In your March issue there are two statements which appear to conflict and as they are in regard to a matter which I wish to know about I will ask you to kindly explain them. They are as follows: On page 224 in the article entitled "Some Work for March" the author says, "Select the best cockerel and mate them with the two hens. Do not give the cockerel any of the pullets. The mating of sister and brother is all wrong. In such a mating we have no fountain head, etc." Then on page 288 in answering the question of T. J. H., of Belleville, Ill., you say "It will be all right to mate these cockerels and pullets."

Please do not understand me to be trying to take you to task for the apparently conflicting statements. I simply ask for information.
R. C. C.

Bellevue, Wash.

ANSWER: 1st.—Caponizing in this country is not very common, especially in the western part. It is no doubt practical.

2nd.—In our answer to T. J. H. we inclined to the belief that these were not brothers and sisters, as he had procured the eggs from another party. If he had hatched these fowls from eggs out of a pen of his own mating and knew just the relation of each to the other we would not have advocated the mating of them in that manner.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer following questions in your paper:

1st.—Will coffee grounds do the chickens any harm if they eat them? 2nd.—How often should you add the Douglas mixture to the drinking water? 3rd.—Is sweet corn as good as other corn for chicken feed? 4th.—Which is the most popular, the Partridge Wyandotte, the Buff Wyandotte, or the Columbian Wyandotte?
W. K. S.

Lansdale, Pa.

ANSWER: 1st.—No. 2nd.—Two or three times a week. 3rd.—No. 4th.—We are unable to say.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I bought this spring 100 White Wyandotte eggs, represented to be of a superior strain. They hatched nicely but quite a number have single combs. Should pure bred fowls of this breed show a percentage of single combed chicks? I bought a bag of beef meal and my hens won't eat it. I use only a pint in eight quarts of mash, but they object. It has a putrid smell; something like Limberger cheese, and I don't blame the hens a bit. Should the beef meal have such a smell?
C. D. F.

Keyser, N. C.

ANSWER: Single comb chicks make

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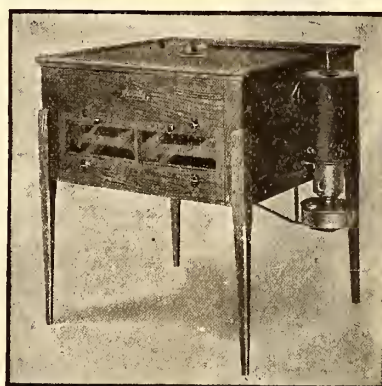
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Puritan Chick Feed brings the chicks past the danger line and saves Bowel Trouble.

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their appearance in almost every flock of White Wyandottes in the country and there seems to be no way of avoiding it. Beef meal has a peculiar odor about it, but should not smell like Limberger cheese, and most fowls will eat beef meal very greedily.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer the following questions in your "Question and Answer Department:" I would like to know how to make a good liquid louse killer that would not hurt the feathers on white fowls.

2nd.—I had some little chickens just about a week old when two of them died. I put them out in the sun for a little while and in a few minutes went out and found two stupid. When they were dying a white substance came out of their mouth. I do not know whether I fed them too much at first or not. J. C.

Port Dover.

ANSWER: 1st.—Into one gallon of kerosene or coal oil dissolve one pound of naphthalene flakes or moth balls and add six ounces of carbolic acid. 2nd.—It is impossible for us to say what the trouble was.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer the following question: I have just had an experience in raising chickens that I never had before. While watching a 2-weeks-old litter of brooder White Wyandottes I suddenly saw one of the largest fall over on his back, and both of his eyes popped out of his head. In a few seconds he was dead. What was the matter? W. J. S.

Borodino, N. Y.

Will some of our readers please answer this.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer the following questions in "Question and Answer Department:"

I have a Plymouth Rock hen which has an enlargement on the right side of her head just above the eye, it is as large as an eye and very red.

The outside is soft but it seems to have a hard lump inside; it hangs over her right eye so she cannot see.

What is the remedy for the removal of this lump, and what is the cause? J. H.

ANSWER: Read our article on Roup in the March issue, page 236.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I have a hen that has a kind of knot on her beak that grew until it was about 1 inch long and resembling a horn in shape. It seemed to be brittle and so I took my knife and whittled most of it off, when I found there was a sore next to the beak.

This sore had a kind of matterly appearance. Give cause and cure.

St. James, Ill.

A. E. S.

ANSWER: This is tuberculosis. There is no cure for it, and the bird should be killed at once and the carcass burned, to avoid contagion.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer the following, in your next issue, if possible:

Some time ago I purchased a pen of White Wyandottes from a noted dealer of same, and paid a fair price for them. I notice that after hatching a few of the chicks have a dark caste on the back.

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placed in the drinking water kills the germs and is guaranteed to cure. We refund your money if it fails. Your druggist or poultry supply dealer has it—if not, post-paid by us in 50 cent and \$1.00 packages. Our book on poultry diseases FREE.

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Pen headed by prize winners,

10 per hundred and will produce winners, fancy and utility combined. Special mating \$3 a setting, \$15 per hundred. Send for catalogue. Red Standard free. Guarantee per cent of fertility sent with every order.

Is this proper? They have never been allowed to run with other chickens.

Elizabeth, W. Va.

E. W.

ANSWER: Would rather see them with a dark shade on the back than with a cream color. These chicks will probably feather out snow white.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in your next issue what a good food would be to feed my hens to make them lay. We have just moved onto a farm and the chickens have free range.

D. M. B.

St. James, Mo.

ANSWER: Plenty of good clean wheat and oats.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in your Question and Answer columns these questions:

1st.—What is the general color of a Black Langshan chick when first hatched?

2nd.—What is the standard weight of Black Langshan cock, cockerel, hen and pullet?

R. E. B.

Sioux Falls, S. D.

ANSWER: 1st.—White, black and gray. 2nd.—Cock, 10 lbs; hen, 7 lbs; cockerel, 8 lbs; pullet, 6 lbs.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I would like to know all the standard varieties and all other kinds of chickens, ducks, geese, turkeys, games, bantams, game bantams, dogs, pigeons, squirrels, and guineas. Please put it in the question and answer column.

E. R.

Sterling, Kans.

ANSWER: Procure a copy of the American Standard of Perfection. Price \$1.50. We are now booking orders for new revised edition.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you kindly answer the following questions:

1st.—What is the best feed for young chicks? 2nd.—What is best to do with a brooder that is wet and damp inside. 3rd.—What is the best feed for turkeys that are laying and for little turkeys? 4th.—Give me a good description of Buff and Plymouth Rock. What should I do to get my Buff P. Rocks on show and what would it cost to send two birds to a poultry show?

Mrs. M. W.

Forest City, Iowa.

ANSWER: 1st.—Any of the chicks

feeds advertised in our columns. 2nd.—Improve the ventilation. 3rd.—Any of the prepared feeds advertised for that purpose. Correspond with some of the supply houses and get their prices and other information. Whole corn is a good feed for the old turkeys. 4th.—The American Standard of Perfection will give you the correct information about Buff P. Rocks. Price \$1.50. We are now booking orders for the new edition. It would take too much space to tell here how and what to do with birds intended for show. We publish articles

A GOOD OLD HEN.

About one month ago a man came into my store with a bunch of hens for sale. He had brought them about ten miles. I purchased his hens and turned them in a lot. One old white hen spread her wings and commenced clucking. I saw she was a sitter. I picked her up, took her in an old room, made her a good warm nest, put thirteen black breasted red game eggs under her. Today she is stepping around, the proud mother of eleven fine little brown and



First Rose Comb Brown Leghorn Cockerel, Herald Square, New York; Bred and Owned by W. W. Kulp, Pottstown, Pa. Mr. Kulp Won Four Firsts and Three Thirds at This Show in Largest and Finest Classes to Date, November, 1904.

on this subject from time to time and will give all this information before the show season opens.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Answer through your JOURNAL where they are blasting with giant powder can a man do any good with incubators?

2nd.—Are there any poultry farms in Colorado?

3rd.—Are there any poultry journals or papers printed in Colorado, if so, what is the name of them? J. J. D.

ANSWER: 1st.—No. 2nd.—Yes. 3rd.—Western Poultry World, Denver, Colo.

white striped game chicks. She cost me 25 cents. I value her at \$1.00.

Kehoe, Ky.

ORVILLE D. CHINN.

TONIC FOR THE HEN.

When we know that exercise is a hen's best tonic then why not keep her scratching? An active hen is seldom sick. She lays better, and her eggs are more fertile. We feed scratching food in the morning and mash in the afternoon, always remembering to keep charcoal grit and shell in the pen.

Mrs. J. H. OREBAUGH.

Batavia, Ohio.

**FOR YOUR
ROOFS**

IT'S THE ROOF THAT LASTS.

Don't take an imitation, but insist upon having the genuine **PAROID**—the roof with quality and durability in it. Contains no tar. Slate color. Each roll contains a complete roofing kit. Send to-day for **FREE SAMPLE** and book on "Building Economy." It will save you money on every building on the place. Established 1817. **F. W. BIRD & SON** East Walpole, Mass. or Monadnock Bldg., Chicago.

**PAROID
ROOFING**

Something
New

Strathmann's Poultry Yard Seeder

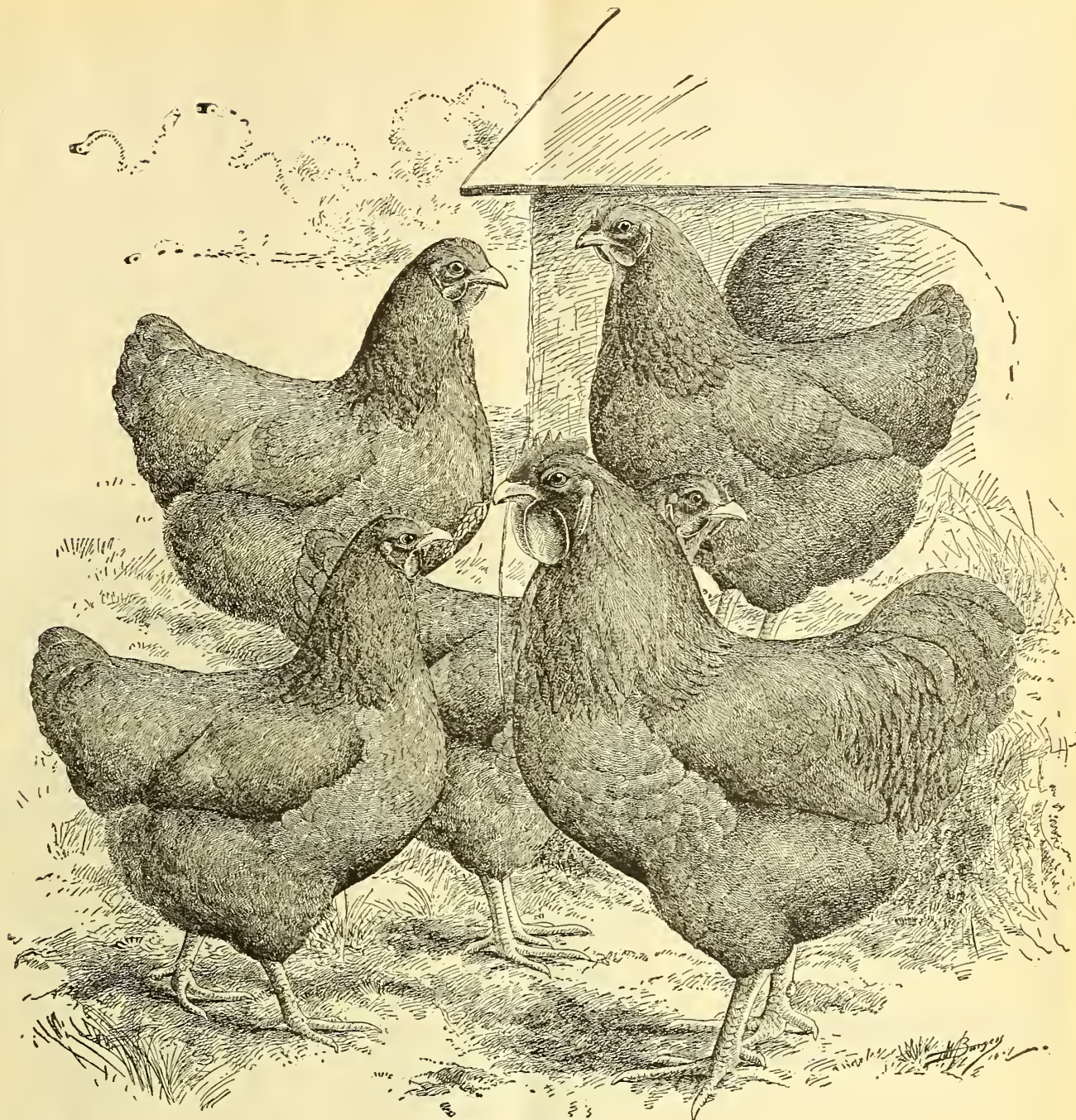
A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in 1 year. Its weight is 30 lbs., sows 2 rows 10 ins. apart and cultivates your ground.

Will do what all poultrymen and journals say, keep your chickens scratching. Our seeder has proved itself a winner at the Chicago poultry show by having a larger attraction than any other exhibit. Simple, durable and practical; can't get out of order. Any boy or girl can operate it. Send for circular.

Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.

To Distribute
Grain and Seeds
For Scratching
Fowls.





BUFF PLYMOUTH ROCKS.

Fifth Prize Pen Buff Plymouth Rocks at the World's Fair, St. Louis. Bred and Owned by S. D. Lapham, Proprietor Dearborn Poultry Yards, Dearborn, Mich.

INFORM THE BEGINNERS.

The average beginner in the poultry business attends the poultry shows and seeing the winners thinks he or she would like some just like them. So he writes to several breeders of his chosen variety for prices which are duly received and the order placed. When the fowls arrive there is apt to be disappointment as too much is often expected considering the

price paid. The poultry press should take this subject up and explain value of stock.

Springfield, Ill.

J. E. LELAND.

DON'T CROWD.

One of the simplest and easiest ways to save work is to give the stock, young and old, plenty of room. Ninety per cent of all broods and flocks need cull-

ing. Cut out the deadwood and the good stuff will have a better chance. Crowded stock may pay a profit, but the product and profit would both be increased if they were not crowded.

F. O. WELLCOME.
Yarmouth, Me.

**Get a bottle—cures pains
Pratts Veterinary Liniment.**

Made by Pratt Food Co., Phila. Over 30 years old.



CHAMBERLAIN'S PERFECT

Chick Feed, Hen Feed, Mash Egg Feed, Evergreen Clover Meal, and Pigeon Feed.

The Standard Poultry Supplies of the World. The Only Original Dry Chick Feed. Endorsed by All Leading Poultry Breeders. Used exclusively at the World's Fair for 7 months. Sold Everywhere. Please write for prices and name of nearest Agent.
W. F. CHAMBERLAIN, (The Perfect Chick Feed Man.) ST. LOUIS, MO.



Don't Let Your Little Turkeys Die

USE...

Turkey-lene

The Wonderful Antiseptic Remedy and Tonic

THE NATIONAL TURKEY-LENE CO., Washington, D. C.

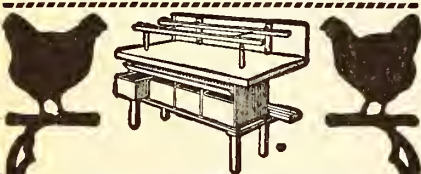
\$3 a Day Sure Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free, you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work, absolutely sure. Write at once. ROYAL MANUFACTURING CO., Box 758, Detroit, Mich.

THE GEM Adjustable Leg Band. Either band, price postpaid: 12 Leg Bands 15c; 25, 30c; 50, 45c; 100 75c. Sample Leg Band and Pigeon Bands with catalogue on Poultry Supplies Free.

SURE LOCK is made in 6 sizes No. 1, 1½ in; No. 2, ¾; No. 3, ¾; No. 4, ¾; No. 5, 1 in; No. 6, 1½. Manufactured by H. TURNER & CO., 6404 Ellis Av., Chicago, Ill. Sure Lock.

Poultry Supplies.

As we are the largest as well as the oldest dealers in poultry supplies west of the Mississippi river we can offer many items of interest to poultry breeders. We also handle thoroughbred poultry and EGGS FOR HATCHING. Don't fail to send for a copy of our new illustrated price list. Complete catalogue of seeds, plants, etc., also free if you mention this paper. Write at once. IOWA SEED CO., DES MOINES, IOWA.



DOLLARS SAVED

Because you save time and labor in your poultry work. Neat, attractive and perfectly sanitary quarters; ease and convenience in cleaning, healthier fowls and freedom from mites are only a few of the valuable, practical features of

THE POTTER PORTABLE HENNERY OUTFIT

and vermin exterminator roost. Our fixtures are pleasing hundreds of other poultry keepers in every part of the country. However your house may be arranged we can equip it perfectly and completely. Fixtures made in three styles and fifty different sizes. Prices are right and reasonable, \$1.00 up. You need convenient and up-to-date fixtures in your henery if you would succeed. Send one red stamp for our thirty-page catalog telling all about Potter fixtures, simplex trap nest device, W. P. Attachment, etc.

T. F. POTTER & CO., BOX 4, DOWNERS GROVE, ILL.

For Only 75 Cts.

We Send

AMERICAN Poultry Journal

One year, and a copy of the book entitled

200 EGGS A YEAR PER HEN

The demand for this book has been so great that the third edition has been exhausted, and a fourth edition of 5000 copies has just been printed. It tells how to get the greatest number of eggs at the lowest possible cost. Send orders direct to

American Poultry Journal Pub. Co.
325 Dearborn St., Chicago, Ill.

RAISING DUCKS.

For a person suitably located there are no fowls more interesting or profitable to raise than ducks. They are such hearty eaters, and grow so rapidly that it is a pleasure to feed them, and watch them grow. Then the nice duck feathers that you get once a month, if you pick them, are so small item.

If you have a yard or pasture fenced so that you can raise ducks and not let them go everywhere keep ducks by all means. If you have to let them have free range you need a good stock of patience. Ducks carry so much mud on their bills that you can not keep clean water for chickens to drink where ducks can get at it. Ducks bother a garden worse than chickens. They eat vegetables greedily and they all go around together and tramp down things. I can plant a big garden and raise enough vegetables for our family, and all the chickens will eat, but I never could do that way with ducks in the garden.

If you throw any slop out at your back door, and have ducks around, they will linger there; and make it so filthy that you will wish you had never seen a duck. I never allow anyone to throw water around my doors, and that does not bother me.

Duck eggs require twenty-eight days to hatch. We usually set them under hens as it is seldom that a duck will set. Hens make rather better mothers for the young ducks than mother duck. Mother duck chases around so much, and tires the little things out. While the duck eggs are incubating it is well to dip them in warm water once a week for the first three weeks. The last week wet them every day. The day they ought to hatch, if some of them pip the shell and then do not get out for half a day break the shell a little. If the skin under the shell bleeds put the egg back in the nest, but if it does not bleed, break it some more, and pull the little duck's head out. It is surprising how soon they get out of the shell after having their heads pulled out. When they are all hatched it is best to put the hen and the little ducks in a box in a warm place where they can not get out for a couple of days. They do not need feed for the first twenty-four hours. Then give them bread made of corn meal and bran, hard boiled egg or clabber cheese, and water to drink. Be sure to always keep grit before them. Feed and water them every three or four hours. They must have water every time they are fed, and while they are small it is better to give them water in such a small dish that they can not possibly get their bodies wet. A duck is very delicate for the first week and ought not to be out in a rain till after it is three weeks old.

If anything is softer or more lovable than a little duck I would like to see it. It is best to be very careful to teach the ducklings to eat at first and let them get acquainted with the hen before they have a chance to run off with any other ducks. They do not seem to understand a hen at first, and if they are turned loose before they become acquainted with the hen they will not go with the hen, but will run off with some older ducks and you can not feed them as often as they need it and they will not grow as they ought to. Some people set a hen with hen eggs a week after they set duck eggs, and give a hen the ducks and one or two chickens. The chicken or chickens will run with the hen and

the ducklings will not desert a hen if there is a chick among them.

Ducklings can be successfully raised in brooders. A pond is not necessary for Pekin Ducks. Just so they have plenty of water to drink, and plenty to eat they will grow well. A pond or creek is apt to contain turtle or something that will kill ducks.

The duck does not have the love for home that the chicken has; and if you live near a creek the ducks are likely to follow the creek off and never come back.

Ducks make so many feathers, and grow so rapidly, that it is very important that they have animal food in some form. The most convenient way is to get animal meal and mix some with bran for one feed each day.

I have read that ducks would not eat corn, but mine eat it and it is all I give them for their supper.

It is fun to watch ducks run around in the early morning and late evening after insects. They ought not to be shut up nights after they are three weeks old.

E. VIOLA HARMON.

Liberal, Mo.

Stop looking for a Heave Cure. Get Pratts.

Made by Pratt Food Co., Phila. Over 30 years old.

Barred Rocks, 1904,

Michigan State Fair, 1st, 2d cks., 1st ck., 2d hen. Fenton, Mich., 5 1sts, 8 2ds, 2 3ds. Grand Rapids State Show, 1st ckl., 4th hen, 2d pen. Pontiac, Mich., 4 1sts, 3 2ds, 2 3ds, 3 4ths. Prize winners in breeding pens. Eggs in season. B. G. WESTFALL, Oak Grove, Mich.



White Plymouth Rock Pullet

Winner of silver cup at Cincinnati, 1905, score 96, bred and owned by Mrs. J. H. Orebaugh. Prop. of the Phoenix Poultry Yards, Batavia, Ohio. Stock for sale. See my new circular before placing your order for eggs. I will take orders for wee chicks after April 12. Write for particulars

BROWN LEGHORNS.

THE EMPIRE STRAIN ALWAYS WINS.

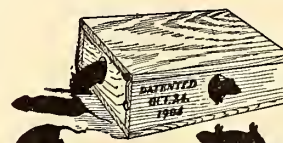


GEO. H. BURGOTT,

LAWTONS CATALOGUE FREE. LAWTONS, ERIE CO., N.Y.

EXHIBITED AT

MADISON SQUARE GARDEN



Don't Poison Pets

For fowls in ridding your place of rats or vermin. For \$1.00 I will send you the

Eclipse Poison Vault

You get rid of vermin in 36 hours and nothing else is exposed to danger. Greatest invention of the age. Satisfaction guaranteed or money refunded. Don't delay. Write today enclosing price.

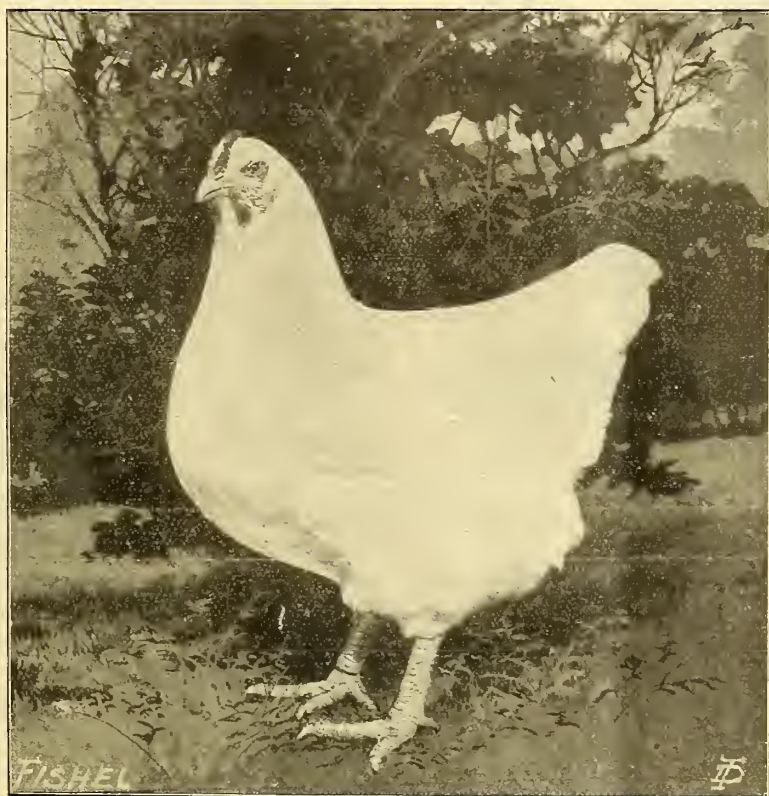
J. S. GILCREST,

10 Second St., Des Moines, Iowa.

SPECIAL SALE

To make room for the several thousand Fishel White Rock Chicks now growing to win the coveted prizes this fall and winter, I am offering **FOR SALE** at **SPECIAL PRICES** something like one thousand selected breeders, choice exhibition birds and several flocks of Excellent **UTILITY FOWLS**. I realize you want the best blood obtainable, therefore

FISHELS WHITE PLYMOUTH ROCKS



are sure to please you. As exhibition birds they stand without an equal. Did you ever consider the excellent record made by the Fishel White P. Rocks? They have won the leading prizes at St. Louis World's Fair (17 prizes being double the amount of prizes won by any two other White Rock exhibitors, and they were all there, East, West, North and South), Chicago, New York, Indianapolis, Great Crystal Palace and Dairy Shows, England, Memphis, Atlanta, Hagerstown, Pan-American, Cleveland, Los Angeles, Fresno, Dallas, New Orleans, etc., while as utility fowls they stand without an equal, in fact any place you put the Fishel White Plymouth Rocks they are acknowledged

"THE BEST IN THE WORLD"

Why buy stock you know nothing about when you can secure line-bred birds for the same price. My **NEW 48-PAGE CATALOGUE** with **SPECIAL SALE PRICE LIST** is mailed on receipt of 6 cents in stamps. This is the most elaborate Poultry Catalogue ever issued. Write me your wants, please, or send for List.

EGGS FOR HATCHING \$5.00 per 15
 \$15.00 per 50
 \$25.00 per 100

U. R. FISHEL

BOX A, HOPE, IND.

\$35,000 A DAY FOR EGGS.

**Petaluma, Cal., with 6,000 Population,
Greatest Chicken Town in
the World.**

Petaluma, forty-five miles north of San Francisco, is the world's greatest chicken raising town. Petaluma has a population of about 6,000, yet from a hen's point of view it is the metropolis of the world; Petaluma is the center of a poultry raising district in which there are almost 2,000,000 chickens.

Thirty-five thousand dollars a day is what the world pays the town in hard cash for its eggs and poultry products.

Poultry raising is the chief industry, and if all the hens in the little city and its environs were to form one composite hen, this gigantic fowl would weigh more than 325 tons. Almost every one who has an acre or two of land raises chickens on an extensive scale.

The city supplies more than one-half of the poultry and eggs used in California, and sends a great quantity of eggs and fowl to the east, as well as to Hawaii and the Philippines.

The largest chicken ranch in the world is located at Petaluma. This ranch has upon its premises 18,000 laying hens, besides thousands of young chickens in the brooders and brooder houses. It takes an enormous quantity of feed to keep these ranches supplied. Some of the poultrymen buy feed in quantities up to 2,000 sacks at a single purchase.

It is estimated conservatively, that each hen yields an annual net income of 75 cents. Of course, in exceptional seasons, the average will equal or exceed one dollar.

The biggest poultry rancher sells the stray feathers, the empty egg shells from the incubators and the guano, the sale from all these making an appreciable reduction in the running expenses. The egg shells alone are worth \$1.60 a bushel.

A statement concerning the production for 1904 has just been made by the California promotion committee of San Francisco. It shows that during 1904 Petaluma shipped to San Francisco alone 3,483,321 dozen eggs, valued at \$913,075.44. This does not include the eggs shipped direct by boat to other points, and thence to all parts of the world, nor does it include the enormous sum received from the hundreds of incubator ranches which feed chicks just for the market. The gain in 1904 over 1903 in the amount received for Petaluma eggs in San Francisco alone was \$68,471.78.

Despite the enormous production of poultry produce in Petaluma it does not come near to supplying the demand. California imported over 21,000,000

pounds of poultry products last year.—*Exchange.*

Editor AMERICAN POULTRY JOURNAL:

At this season of the year it is a foregone conclusion that a great many farmers who have been more or less successful with their flock of poultry are looking through the poultry press with a view to purchasing stock or eggs to improve their stock. It may be wise to speak a word of caution regarding making a wise selection. The average farmer is not a fancier in the true sense of the word. I believe that the practical side of the question appeals to him much more strongly than the fancy. He wants fall and winter eggs. To make it a paying



BARRED P. ROCK.

First cock at Charlotte, N. C., 1905.
Owned by C. C. Randleman, Ramseur, N. C.

proposition he must have them, yet a great many are led to believe that the wise course is to buy from a thorough fancier at a long price. The fancier does not as a rule breed for winter egg production, he does not require it in the best interests of his business, many times he takes measures to prevent it, his success in the show room does not depend on heavy layers, a laying hen does not make as good a show bird as one that is not laying. That few will dispute and as the shows come during fall and winter many fanciers do what they can to prevent their best birds from laying early. I believe and to my mind it is a pretty well

established fact that the propensity to lay eggs is something that can be bred from one generation to another by careful selection of the layers and by mating a fine bird of a strain that is not acknowledged to be heavy layers one can positively injure the prospect of winter eggs. Not that I would cry down the fancy or that I believe the two can not be in a measure combined, but I do believe and believe strongly that in many cases they are not combined and never will be. Our best breeders of fancy fowl have little use for winter eggs. Their trade is in the spring and then is when eggs are wanted for setting. Most poultrymen agree that better results are likely when setting eggs from hens that have not laid all winter. On the other hand the farmer wants a bird from a good laying strain, strong, hardy and up to a standard weight. Let him look for that bird among poultrymen who make it a specialty and if he is willing to learn, interested and intelligent he can if he chooses improve his flock wonderfully by making proper matings with what he will raise. Introducing a valuable male does not justify advertising fancy eggs, it takes years of careful breeding to produce fancy stock even under the most favorable conditions and I believe that if the average farmer would think less of the show room and more of the egg basket he would stand a better chance of having the balance on the right side of the ledger.

FRANCIS E. PEARSON.
New Castle, Me.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—In attempting to "make a few remarks and also ask a few questions" in reply to a recent article captioned "The care of the Fowl," Alvin H. Dudley has lamentably failed to hit the mark at which he aimed—owing no doubt to short-sightedness or the fact that his cranium was overcrowded with theories and he became confused when the critical time came. However this may be we will endeavor to enlighten our eastern contemporary to the fact that it has been our aim to keep our henery in a modern and sanitary condition, and at the same time provide the food in a manner which would as nearly as possible approach the conditions were the fowls left to roam at large, and to prove that my so-called "Fussiness" amply repaid the small amount of labor involved, I gathered 912 eggs from November 1st to February 1st from a pen of only fifteen hens, and out of 100

**For poultry houses and stables
Pratts Liquid Lice Killer.**

Made by Pratt Food Co., Phila. Over 30 years old.

ORPINGTONS

BUFF, BLACK, WHITE

12 firsts and silver medal at late December 1904, and Jan., 1905, Chicago shows, where the finest birds in the States were shown. Two select matings in each variety. The cream of our winners and selection from 600. EGGS (positively our very best) \$5 per 15, \$9 per 30, \$16 per 60. All infertiles replaced free. Don't be deceived by the high sounding claims of others. We can and will furnish you as fine eggs as money will purchase. Eggs from carefully mated pens of Buff Orpingtons \$2 per 15, \$10 per 100, \$90 per 1000. C. S. BYERS, Box A, Hazelrigg, Ind.

**AUTOCRATS OF SHOW ROOM
AND UTILITY**

Black Minorcas

White Plymouth Rocks

Make a record—win at late Madison Square Garden, N. Y. Show, eight 1sts, two 2ds, including 1st pen each variety in the largest and strongest classes ever in the Garden. If you want quality, breeders or eggs for hatching from the BEST, send for our new illustrated catalogue. 2 cent stamp appreciated if handy.

GREYSTONE POULTRY FARM

YONKERS, N. Y.

eggs placed in an incubator 91 per cent of them hatched, all of which should convince Mr. Dudley that his ideas of "pampering" stock is as false as a report of a Russian victory.

By a very simple arithmetical calculation our esteemed friend will find that I only claimed to feed five times a day and only during the extreme cold weather was their drinking water changed so often in order to keep it in a sanitary and healthful condition.

If Mr. Dudley considers the plan of keeping fowls or any other of our domestic animals comfortable, "fussiness," we would advise him to diligently study the many pages devoted to "fussiness" in the book entitled "Black Beauty," and we are sure that even "he" may see that what some may call a pleasure, others may term it "fussiness."

Mr. Dudley also says that "a person who has ambition is all right, but misdirected ambition or jumping up and down in the same place never got a person ahead much." Judging from the general tone of this gentleman's letter we are led to believe that he has tried the jumping plan and now sees where he has been losing energy and at the same time failed to reach the goal of his ambition—if any—even though he does

Only for cows Pratts Cow Tonic.

Made by Pratt Food Co., Phila. Over 30 years old.

S. C. W. LEGHORNS

Stock for sale. Cockerels \$1.00 and \$2.00. Eggs 15, \$1.00, 100, \$5.00

C. W. & H. E. HOSMER Union City, Mich.



IDEAL ALUMINUM LEG BAND
To Mark Chickens
CHEAPEST AND BEST
12 for 15c., 25—30c., 50—50c., 100—75c.
FRANK MYERS, MFR., FREEPORT, ILL.

White Wyandottes

Duston's breeding and exhibition birds of high quality, farm raised and bred in line from my prize winners. While they did not get any ribbons at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable prices, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN, Beardstown, Ill.



Young Chicks

Just hatched from Barred and Buff Plymouth Rocks, Single Comb White Leghorns and W. Wyandottes at 8½ to 15 cents each. Distance no objection. 6,000 chicks hatched per week at the Pine Tree Hatchery. Send for circular and get your order in early.

JOS. D. WILSON, Stockton, N. J.



WHITE P. ROCKS

Send your order for eggs where you can get something good. Get the laying kind and the hearty kind. Boyce has bred the one kind only for many years. EGGS \$2 per 15. Catalogue free. Address

S. L. BOYCE, Crook, Mo

Asthma

CURED TO STAY CURED.

Attacks stopped permanently. Health completely restored. No return of symptoms after treatment ceases. Throw away "Reliefs." Be cured in the right way. Good appetite, sleep well, do anything, go anywhere. 58,000 patients. BOOK 58¢ FREE.

P. Harold Hayes, Buffalo, N. Y.

faithfully read five poultry journals each month. It has been well and truly said that it is the busy and ambitious man who finds time for everything; and the easy-going man is always too busy to find anything to do.

Now, in closing, we will say that theory is a mighty nice thing to have at times, but to our idea it is the man (or woman) with the practical experience and the demonstrative ability to prove their ideas better than theoretical views are the ones who will not fail to make a success in any undertaking in which they may engage, even though it may be that of "pampering" fowls. "Experience is the best teacher," and we have found that our plan has fully met with, yes even exceeded, our expectations and we shall endeavor to carry on our work along the lines already described, to the contrary notwithstanding.

Yours for healthy, hardy stock that can not fail to prove the beneficial results attained by careful, modern ideas in poultry raising.

DR. O. G. CRAWSHAW.

Dawson, Pa.

REARING BROODER CHICKS.

Rearing brooder chicks is a great deal like having boils. Everybody we meet has "a cure which never fails."

Experience and observation has proven to me that we drift too far away from nature.

Who bakes johnny-cake or boils eggs or soaks bread in milk or even makes a mash for young prairie chickens? Barring flood and hawks everyone will reach maturity; perfect specimens of their kind.

Following is the method which I have used for the last two years:

I put my chicks, as soon as they are dry, into a brooder which has been previously heated to a temperature about five degrees below that required by newly hatched chicks. (85 to 90 degrees.)

The floor of the hover chamber is covered with a piece of burlap and the outer or feeding room is covered an inch deep with oats chaff or chopped hay. In one corner of this apartment is a drinking fountain filled with pure water and in another is a box of coarse sand. (Just such grit as will not pass through a fly screen.)

The feed consists of a mixture of dry cracked grain in the following proportions:

Two parts wheat, 2 parts oats (rolled or cut), 1 part rice, 1 part corn and 1 part millet seed. This is thoroughly mixed with the litter from the start. On alternate days I throw in a small bunch of lettuce or onion tops and a beef bone with some lean meat on it.

I find that the chicks will not eat until they are 24 to 40 hours old; but when nature gets them ready for food they begin scratching it out of the litter.

Don't worry about over feeding. A chicken, young or old, won't work after he eats his fill and they can't get any more out of the litter unless they do work.

Last year I raised 90 per cent of all chicks fed in this way and so far this year have not lost a chick.

Now, just a word about brooders. A brooder must be so arranged that each chick can find a temperature suitable to its own pleasure.

This is my cure, try it.

DR. F. L. HOUSEHOLDER.

Maxwell, Iowa.

White Wyandottes.

Light Brahma Bantams

D. Lincoln Orr, Orr's Mills, N. Y.

Rose Comb Brown Leghorns

High class exhibition and breeding stock and eggs for hatching for sale at reasonable prices. Write your wants to
GEO. F. HOFFMANN,
Cuba, Wis.

White Wyandottes

Winners at Hagerstown, Md. 1903 and 1904.

M. E. ROSE, Tacoma Park, D. C.

COCHIN BANTAMS Black, White and Buff.

Seven first prizes at Madison Square, 1904.

DR. WILLIAM Y. FOX, Taunton, Mass.



NEW POULTRY CUTS

For 1905 we have many new illustrations of pairs, trios and single birds. Our new catalogue shows all. Send for it today. I also breed R. P. Rocks—Eggs for sale.
Chas. L. Stiles, 921 Mohawk St., Columbus, O.

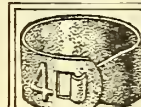
POULTRYMEN AMAZED

SOMETHING NEW—STARTLING DISCOVERY.

Kills Gapes in Little Chicks in one minute without use of drugs or tweezers. Saves your poultry and pays for itself in one hour's time. Farmers' wives delighted. Delivered on receipt of \$1. Money back if it does not do all we claim for it. Highly endorsed.

PROF. LE DANE

Dept. 2, Hagerstown, Md.



The Plain Mark.

Note the secure snap fastening and large raised numbers of the aluminum

Convenient Leg Band.

The one really convenient marker. Bent ready for use. Sizes for any breed. Prices: 12 bands 20c; 30 bands 45c; 60 bands 75c; 100 bands \$1.00. Write for sample—cheerfully sent free.
H. O. SHAW, Box 103, GRINNELL, IA.

Union Lock Poultry Fencing



PICKETS LOCKED IN CABLES

Can't slip, but stretches perfectly to fit uneven ground. Fine meshes at bottom for little chicks. High as you want it, 1 to 7 ft. A poultry fence for all fowls that does not sag.

We sell direct to Farmers and Poultrymen. Prompt Shipments at Factory Prices. Mills in Connecticut, Illinois, California. Write for catalogue.

CASE BROS., 28 Main St., Colchester, Conn.

IT CURES ROUP



I personally guarantee that

Eclipse Roup Cure

will positively prevent and cure all forms of roup, canker, "swelled head," catarrh, colds, discharges from nostrils, etc. in poultry of all kinds. If you don't find it entirely satisfactory you get

Your Money Back.

No trouble to use—simply put it in the fowls' drinking water. One package makes 25 gallons of guaranteed medicine. Use it now and prevent colds and sickness. Price: 50c.

I pay the postage.

Send to-day.

Agents wanted.

J. S. GILCREST,

Box 50,

Des Moines, Iowa.

Men Who Shave

run big risk in using anything but the best shaving soap. That's the popular

WILLIAMS' SHAVING SOAP

Sold everywhere. Free trial sample for 2-cent stamp. Write for "The Shavers Guide and How to Dress Correctly."

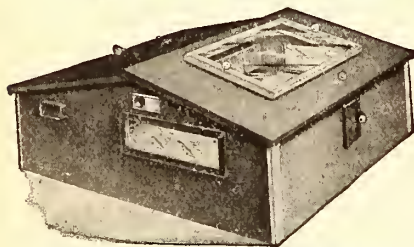
The J. B. Williams Co., Glastonbury, Conn.

MORE EGGS—Less Feed

Humphrey Bone Cutter, Humphrey Clover Cutter, will double egg yield. Poultry Book sent free. HUMPHREY, White Street Factory, JOLIET, ILL.



Rouses' Perfection Brooder



Price, \$7.50. Catalogue free. Simple, convenient, practical. W. L. Rouse, Manufacturer, 157 La Salle St., Chicago, Ill. Chicago Poultry Supply House Distributor, 647 Lakeside Bldg., Chicago, Ill.

Glen Lee Poultry Farm, Winchester, Va.

G. H. Kinzel, Owner and Proprietor.

White Wyandottes

Duston Strain.

WHITE LEGHORNS

S. C., Wyckoff and Blanchard Strains

My breeders are the best that money could buy. Forty acres of fruit and chickens—these two varieties. Personal attention given to all stock and eggs. A few sittings will be sold this season at \$2 per 15 and eggs shipped in Eyrice cases. I have the layers and egg makers. Show qualities have not been neglected. Your money refunded if not satisfied. Reference, any bank in this city.

SATISFACTION

Isn't this enough for any man to expect?

Matthews, Ind., Dec. 11, 1904.

Dinsmore & Co.

Dear Sirs:—The one hundred White Wyandotte eggs I bought of you proved the best investment I ever made. I hatched fifty-three nice chicks. I have just returned from Marion poultry show, where I won 1st, 2d, 3d cockerels, 3d pullet, 1st and 2d pens, seventeen specials and \$10 silver cup for best display of any one variety. If you will sell me eggs the same price I will take 500 or 1000 next spring. Wishing you success I am

Yours truly, R. B. LITTLE.

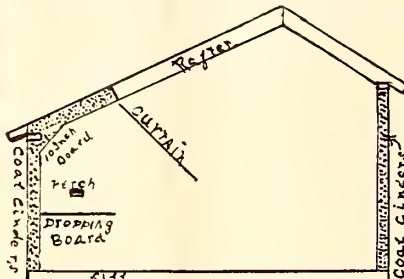
We have ten grand pens mated for best results, and we guarantee our eggs to be 75 per cent fertile. \$2 per 15, \$10 per 100.

Hillcrest Poultry Yards

Dinsmore & Co., Props. Kramer, Ind

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I send you a plan of a poultry house—walls filled with coal cinders. The drawing will show the manner of packing outside walls and ceiling over roosting room; the ten inch board set at an angle permits the cinders to slide down and keep the north wall and ceiling firmly packed. More cinders can be added when necessary and rats, mice and mites will not live in cinders as they



End View

do in hay or sawdust packing. I have one poultry house built in 1900 packed with cinders, one 72 feet long back plastered, one 50 feet long, built 1903, packed with cinders; the buildings packed are better and cheaper than the one back plastered. Last winter with outside temperature from 10 to 30 below zero not one of my S. C. White Leghorns had a comb frozen. One pen of 30 pullets laid 1,338 eggs from January 1 to April 1, 1904, an average of 14.66 eggs per day.

W. C. COFFMAN.

Marinette, Wis.

A GOOD EGG PRESERVER.

There is no other agency that can arbitrarily add so much to egg profits as a good egg preserver. Of course eggs are cheap when they are plenty. It is simply cause and effect; they are cheap because they are plenty. If they can be kept for a few months when eggs are scarce, and sold for fresh, the price can easily be doubled. No wonder poultry raisers are all looking for the faultless egg preserver.

The faultless egg preserver may not have come yet, but a very satisfactory one is the water glass preserver advertised to our readers by Rolla A. Willett, of Anderson, Indiana. It is cheap, it keeps eggs actually fresh and it enables you to put them on the market with a fresh-laid appearance. The appearance counts for much. It is almost as important, so far as price is concerned, as freshness itself. The Willett preserver is a pure water glass. In this it has the unqualified approval of the U. S. Government through its Experiment Stations, as an egg preserver. Another point in favor of the Willett preserver is that it does not affect the flavor of the eggs. If you are in need of anything of the kind, you are likely to find the Willett preserver the most satisfactory of anything of the kind to be had.

A rake is mighty useful as a garden tool, but it makes a poor curry-comb for your horse. It's a worse mistake, though, using a common soap to shave with. Even the best laundry or toilet soap, when used for shaving, will do for your skin just what a rake would do for your horse's hide. WILLIAMS' SHAVING SOAPS are made especially for shaving, by people who have been at it since 1840; and they have learned a good many things. Take advantage of their offer made elsewhere in this paper and bear the fruits of their 65 years' study.

We believe it pays to investigate everything. If you have a building that needs roofing, write to F. W. Bird & Son, of East Walpole, Mass., and see what they have to say about Paroid. It won't cost you anything, and in justice to yourself you ought to hear every side of the story.

Good health for calves

Pratts Calf Tonic.

Made by Pratt Food Co., Phila. Over 30 years old.

A Living Monument.

If we were to assemble all those who have been cured of heart disease by Dr. Miles' Heart Cure, and who would to-day be in their graves had not Dr. Miles' been successful in perfecting this wonderful heart specific, they would populate a large city.

What a remarkable record—a breathing, thinking, moving monument, composed of human lives,—that for which every other earthly possession is sacrificed.

The Miles Medical Co. receive thousands of letters from these people like the following:

"I feel indebted to the Dr. Miles' Heart Cure for my life. I desire to call the attention of others suffering as I did to this remarkable remedy for the heart. For a long time I had suffered from shortness of breath after any little exertion, palpitation of the heart; and at times terrible pain in the region of the heart, so serious that I feared that I would some time drop dead upon the street. One day I read one of your circulars, and immediately went to my druggist and purchased two bottles of the Heart Cure, and took it according to directions, with the result that I am entirely cured. Since then I never miss an opportunity to recommend this remedy to my friends who have heart trouble; in fact I am a traveling advertisement, for I am widely known in this locality."

J. H. BOWMAN,

Manager of Lebanon Democrat, Nashville, Tenn.

Dr. Miles' Heart Cure is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails he will refund your money.

Miles Medical Co., Elkhart, Ind

FARM POULTRY YARDS

15	EGGS	\$1.00
30	"	1.75
60	"	3.00

Two med. nest eggs with each order.

Golden, white, Silver and Buff Wy.: Rose and S. C. Brown and Rose and S. C. White and S. C. Buff Leghorns; Barred, Buff and White P. Rocks; S. S. Hamburgs; Red Caps; Anconas; W. F. B. Spanish; Golden and W. C. B. Polish; S. C. Black and White Minorcas.

C. I. Games; Rose C. Black and Rose C. White Minorcas; Rose Comb R. I. Reds and G. S. Hamburgs, \$1 for 13; \$2 for 30. Pekin Ducks 75 cents for 9.

Most of our poultry is kept on separate farms, therefore the eggs are fertile, and the chicks strong and vigorous when first hatched. A fair hatch guaranteed or order duplicated at half price. Circular free. 25 years as breeders. Whitney Bros., Triangle, N. Y.

Premium Stock Poultry Yards

Fertile EGGS 15 for \$1

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

A. STARZINGER, Prop.

Carbondale, Ill.

PURE WATER PAYS

Unhealthy fowls are costly. Impure water breeds disease.

Lathrop Fountains
Keep Water Pure

Moderate cost. Profitable results. Circular free.

Lathrop Mfg. Co., 50 Central Ave., Rochester, N. Y.

Fair Warning Repeated.

On Account of the Untrue and Exaggerated Statements

which appear in an advertisement entitled "A master stroke of folly," sent out in circular form by Chas. A. Cyphers, and in order that innocent persons may not be misled by same, we submit the following:

TO ALL WHOM IT MAY CONCERN:

(1) **TAKE NOTICE** that Cyphers Incubator Company is the sole owner of United States Letters patent



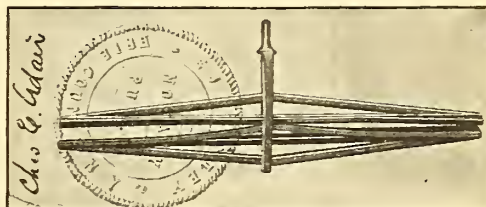
THE INFRINGING THERMOSTAT.
(Patent rights owned by Cyphers Incubator Company.)

No. 490,926, granted to John R. Roberts, January 31, 1893, for an improvement in Thermostats, and

that suit has been begun against Chas. A. Cyphers for infringement thereof by the manufacture and sale of the Thermostat illustrated herewith.

(2) **TAKE NOTICE FURTHER** that Cyphers Incubator Company will enforce its rights under said patent against all who make, all who use, and all who sell Thermostats infringing said Letters Patent.

(3) **TAKE NOTICE FURTHER** that the Cyphers Incubator Company has purchased of Charles E. Adair, all his rights in the Thermostat made and sold by him prior to December 31, 1903, illustrated herewith.



THE CHAS. E. ADAIR THERMOSTAT.
(All rights owned by Cyphers Incubator Company.)

To Chas. A. Cyphers, to his agents, and to all dealers in, and users of the "Model Incubators," and the Cyphers Incubator Company's Thermostat, as manufactured by Chas. A. Cyphers, Buffalo, N. Y.

TAKE NOTICE, That suit is pending against the said Chas. A. Cyphers, Buffalo, N. Y., for infringement of patent No. 530,163, dated December, 4, 1894, and owned by this company. During the time that the said Cyphers was an officer of this company he laid the utmost stress in all the company's literature upon the fact that the porous-diaphragm incubators manufactured by it, were made under the said patent; and, by his instructions, all such incubators were marked as manufactured under the said patent.

Under the law each maker, each seller, and each user of an infringing device is liable to the owner of a Patent for all profits made by reason of an infringement thereof, also for any additional damages caused by reason of such infringement, and also for the costs of the suit.

TAKE NOTICE, That, as soon as this company obtains its decision against the said Cyphers, it will proceed against all his agents and against all dealers in the so-called "Model" incubator, for the collection of the profits, damages and costs aforesaid, and will hold them directly responsible and will not recognize any bond that may have been given by the said Cyphers to such agents, dealers or users.

TAKE FURTHER NOTICE, That the Thermostat used in the said "Model" incubator infringes the patent to John R. Roberts No. 490,926, granted January 31, 1893, and owned by this company.

ALSO TAKE NOTICE, That this company asserts its ownership of the invention of the particular style of thermostat now used in the said "Model" incubator, and that proceedings are pending to protect the said invention; and this company will proceed to collect from all such agents, all dealers in and all users of the said Thermostat, such profits, damages and costs, as may be awarded on account of infringement of this company's patent or patents.

TWO SAMPLE AFFIDAVITS.

There are different ways to seek business. The following misstatements and affidavits disclose one way:—

MISSTATEMENT NUMBER ONE:

"Crystal Springs Duck Farm, Oil City, Pa., where 81 Model Incubators are in use."—Chas. A. Cyphers in September 1904, issue of Farm-Poultry, published at Boston, Mass.

"The Model is so good that the following large plants have adopted it, discarding other machines: Crystal Springs Duck Farm, Oil City, Pa., formerly 56 Cyphers, now 81 Models"—Chas. A. Cyphers in March 1st, 1905 advertisements in the leading poultry journals.

AFFIDAVIT NUMBER ONE:

State of Pennsylvania, }
County of Venango, }
City of Oil City, }

C. Fred Roberts, of Churchville, County of Monroe, State of New York, and Charles E. Adair, of Columbus, County of Franklin, State of Ohio, being duly sworn state that on the 12th day of March, 1905, they personally visited the duck farm of B. F. Brundred at Oil City in the State of Pennsylvania, known as the Crystal Springs Duck Farm, and received permission to go over and inspect said farm; that Patrick McEvoy, the superintendent of said farm personally escorted deponents through the incubator cellar on said farm, and that deponents then and there saw numerous incubators in operation, the greater number of which were those manufactured and sold by the Cyphers Incubator Company, and that deponents were informed by said Patrick McEvoy and they verily believe to be true, that there were (43) forty-three of said incubators so manufactured and sold by said Cyphers Incubator Company in said cellar, and only (28) twenty-eight of some other manufacturer.

C. Fred Roberts, } (Seal.)
Chas. E. Adair, }

Subscribed and sworn to before me this 16th day of March, 1905.
Clinton M. Hershey, Notary Public.

MISSTATEMENT NUMBER TWO:

"The Model is so good that the following large plants have adopted it, discarding other machines: W. H. McCormick & Son, Yardley, Pa., formerly 67 Cyphers, now 67 Models."—Chas. A. Cyphers, in March 1st, 1905 advertisements in the leading poultry journals.

AFFIDAVIT NUMBER TWO:

State of Pennsylvania, }
County of Philadelphia, }
City of Philadelphia, }

C. Fred Roberts of Churchville, County of Monroe, State of New York, being duly sworn states that on the 5th day of April, 1905, he personally visited the duck farm of W. H. and John C. McCormick at Yardley, County of Bucks in the State of Pennsylvania; that one of the owners of said farm, Mr. W. H. McCormick, escorted deponent through the Incubator cellars of said farm; that deponent then and there saw in full operation numerous incubators which were manufactured and sold to the said W. H. and John C. McCormick by the Cyphers Incubator Company of Buffalo, New York; that deponent was informed (on said date, April 5th) by both W. H. and John C. McCormick that they had not decided to make a change in the incubators they were using, and that they had not disposed of any of the incubators purchased by them of the Cyphers Incubator Company, Buffalo, New York.

C. Fred Roberts, (Seal.)

Subscribed and Sworn to before me this 13th day of April, 1905.
Chas. P. Rooney, Notary Public.

CYPHERS INCUBATOR CO., Buffalo, N. Y., U. S. A.



Wiebke's Single Comb Brown Leghorns

Madison Square Garden, Jan., 1905, cock 1st, pullet 3d. Winners of 30 firsts at Chicago, Indianapolis, Cleveland, Ft. Wayne, and \$5 per sitting.

High class show birds. Pedigreed stock. Eggs, \$2

W. H. WIEBKE,

Box P, 2001, Ft. Wayne, Ind.



She's Too Lousy

A printed five minutes talk sent free to everybody. "How to Keep Away Vermin Permanently," saving monthly expenses for whitewash, kerosene, insect powder, lice killers.

Carbolneum Wood Preserving Co.,

122 Reed St., Milwaukee, Wis.

BIG SUCCESS WITH HOGS.

SOME farmers are more successful with hogs than others. The man that only gets 8 lbs of pork out of a bushel of corn fed to hogs makes only half as much as the man that gets 17 lbs.

The American Swineherd is a specialist and the best authority on the hog industry.

Prof. Henry says that success is only obtained by concentrating all efforts upon one line.

A two-years' course in Hog Raising: Teaching how to be successful.

How to secure the greatest profits.

How to get 17 lbs. of pork out of a bushel of corn and 19 lbs. from a bushel of wheat-fed hogs.

How to feed to double the growth and gain over usual methods: only healthy hogs profitable.

How to keep your hogs healthy.

How to utilize, without other expense than the subscription to this paper, the costly experience and gathered wisdom of the most capable and successful feeders.

Prof. Kennedy of the Iowa Agricultural College says "Your paper is a leader in its line on feeding."

Every owner of hogs should take advantage of this special offer:

Send us \$1 for two years' subscription to the American Swineherd and it will entitle you to a free copy of the Hand Book on "Hog Hygiene" with trade secrets, recipes, valuable information, etc. If the offer is accepted in ten days we will send you in addition the wonderfully suggestive picture in colors, "Uninvited Guests," suitable for framing, showing the pigs partaking of a meal uninvited.

This equips you for a successful hog business.

AMERICAN SWINEHERD

542 Como Bldg., Chicago, Ill.

A BETTER LOCATION THAN YOURS

Would be in Virginia, North Carolina, South Carolina, Georgia, Florida or Alabama, or some other Southern State, and we can prove it. Write for a copy of the special Southern edition of the

SEABOARD AIR LINE MAGAZINE

which is handsomely illustrated, and contains hundreds of specific opportunities for success, it matters not what your occupation.

J. W. WHITE

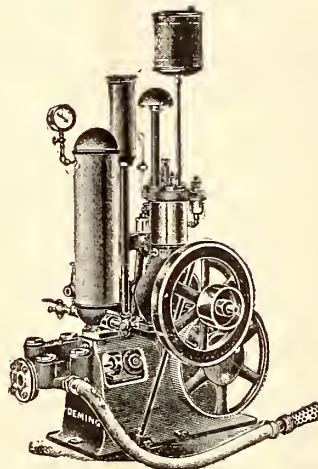
General Industrial Agent, Portsmouth, Virginia.

SEABOARD AIR LINE RAILWAY

THE DEMING POWER SPRAYER.

Those of our readers who use or are intending to purchase power sprayers will be interested in the Gasoline Engine Spraying Machine manufactured by The Deming Company, Salem, Ohio. The Deming Company are old and well known manufacturers of all kinds of spraying devices. The power sprayer here reproduced is one of their later inventions. It meets admirably the requirements of those who must employ a power of some kind to spray their large trees and in their large field and orchard operations.

The difficulty heretofore encountered by manufacturers was to build a small yet



efficient gasoline engine which could be sold at a price orchardists could afford to pay. The Deming Company claims to have solved this problem.

The engine is light, simple and self contained. The cylinder is water cooled; the water tank being in base of outfit. The water circulation is ideal. It has a strong electric spark igniter and improved dry batteries. The pump is of a style already proven one of the most effective in the Deming line. The whole outfit can be conveniently mounted on a wagon bed or tank wagon. Any style or size of supply tank can be used. Any one interested in power sprayers will do well to send to the Deming Company for their catalog and full particulars about this machine.

A G-R-A-N-D R-E-C-O-R-D.

The following letter from the famous breeders of Wilber's Gem Strain of S. C. White Leghorns (with a record score of 95 points at 5 months of age) is right to the point, and coming from an authority so well known is an endorsement of very high character for Chamberlain's Perfect Feeds of various kinds. Thousands of other breeders constantly use and highly recommend these wonderful "Perfect" products.

Petros, Tenn., Jan. 23, 1905.

Mr. W. F. Chamberlain (The Perfect Chick Feed man), St. Louis, Mo.

Dear Sir: As quite large users we wish to inform you of the excellent results and values we have derived from your Perfect Feeds, finding them far above the average foods we have used.

Last season we reared nearly 3,000 of our Gem Strain S. C. White Leghorns on your Perfect Chick Feed, losing not over 6 per cent, this fact alone proving the high quality of your Feed. We are proud to say the parents of these chicks were fed during the entire past year with Chamberlain's Scratching Feed, Mash Egg Feed and Shredded Green Cut Clover, which is better than the best. We seldom lose a bird.

With best wishes for your future success, we remain, yours respectfully,

WILBER BROS.

The job of shingling the roof with its attendant dangers and difficulties has been wiped away by the introduction of such thoroughly good roofing as Paroid. Put on easily by any intelligent man, and shipped with nails, tins and Parine cement inside of each roll, the difficulties have all been provided for by the manufacturers.

Your dealer has it

Pratts Peerless Hoof Ointment.

Made by Pratt Food Co., Phila. Over 30 years old.

A VALUABLE BOOK FREE.

We have received a copy of the Prussian Farmer's and Stockman's Handbook, printed and published by the Prussian Remedy Co., St. Paul, Minn. The book contains 128 large sized pages, well printed and illustrated, and our examination shows that it is filled with valuable information for the farmers and stockmen and their wives. It is indeed a cyclopedia which every stock owner should have in his household for reference and use. We have seldom seen so much useful information printed within so small a space. The book is well worth a dollar, but the publishers give it free to their patrons. Address Prussian Remedy Co., St. Paul, Minn.

A great many progressive poultrymen are beginning to realize the value of crushed charcoal as a conditioner for their stock. Those who have tried it are enthusiastic regarding the results which they have obtained. It is a good disinfectant. It cleanses the system, absorbs all impurities and makes the fowls robust and healthy; makes the poultry feel better, eat better and lay better. Many poultrymen use it not as a cure for ailments but as a preventive, as it absorbs all gases occurring from impure foods, overfeeding, etc., and corrects the digestive functions of the fowls naturally and easily when they have become deranged from any cause whatever.

Chemically pure crushed charcoal can be obtained in different sizes suitable for different poultry, the favorite size being coarse granulated for mature poultry, fine granulated for little chicks and pulverized to mix with mash, condition powders and soft foods. They take to it readily and consume large quantities, especially when guided by nature to seek a corrective for poor physical condition.

Probably the best known Poultry Charcoal sold today is Viger's Chemically Pure Crushed Charcoal, put up and sold by Viger's Coal & Wood Co., Detroit, Mich.

In a recent interview with a representative of this paper, Mr. Viger stated that the demand for crushed charcoal is twice as large this year as it was last. Poultrymen in every section of the country begin to appreciate more and more the value of keeping charcoal before their chickens. We advise all poultrymen to write to this company and get samples so that they can try it themselves.

GET
MORE
EGGS

Your Hens Will Lay

twice as well if you use a

Latest Bone Cutter

Ten days free trial. No money in advance.

Catalogue free.

F.W. Mann Co., Box 55, Willford, Mass.



100

Envelopes 3 1/2 by 6 1/2 inches, an extra thick, strong, smooth, hard slick white writing surface, and 125 Letter heads, 8 1/2 by 11 inches an extra heavy, hard, slick, fine smooth, pure white writing paper. All artistically printed to your order and illustrated with latest new Standard cuts of your choice breed of fowls, postpaid for \$1.00. Better printing at the price was never done. I'll please you. Make all money orders payable to me at Big Clifty, Ky.

J. R. HUDSON, HARDIN SPRINGS, KY.

We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.

No Money Required

until you receive and approve of your

bicycle. We ship to anyone on

TEN DAYS FREE TRIAL

Finest guaranteed

1905 Models \$10 to \$24

with Coaster Brakes & Punctureless Tires.

1904 & 1904 Models

of Best Makes..... \$7 to \$12

500 Second-Hand Wheels

All makes & Models

as good as new \$3 to \$8

GREAT FACTORY CLEARING SALE.

RIDER AGENTS WANTED in each town at good

pay. Write at once for catalog and Special Offer.

TIRES, SUNDRIES, AUTOMOBILES.

MEAD CYCLE CO., Dept. 128 CHICAGO



OUR POULTRY RAISERS GUIDE

is a descriptive list of
Foods and Accessories

MAILED FREE ON REQUEST

W.J. Gieson & Co., Inc. Rialto Bldg. Chicago.

FREE ROOFING SAMPLE.

By dropping a postal card to any of the following offices of the Barrett Manufacturing Co., they will send you a free Sample of the new Ready Roofing, AMATITE. This Roofing is mineral surfaced at the time of manufacture, and requires no coating of any kind. The manufacturers claim that anyone can put it down, and after it is once on the roof it will last for years without attention of any kind. Address the Barrett Manufacturing Company at New York, Chicago, Philadelphia, Cleveland, Cincinnati, St. Louis, Allegheny, Kansas City, New Orleans or Minneapolis.

PAIN AND PLEASURE.

The man who uses ordinary soap for shaving has his troubles and plenty of them. His razor pulls, the lather dries on his face, and when he has finished his face smart and stings and itches, and looks like part of a torchlight procession. Williams' Shaving Soap avoids all this. It makes a thick, creamy lather, which softens the beard, makes it easy for the razor, and leaves the face cool, smooth and comfortable. The J. B. Williams Co., of Glastonbury, Conn., whose announcement appears in another column, will send a free sample of Williams' Shaving Soap if you write to them.

THE UP-TO-DATE BICYCLE.

The 1905 model bicycles, with coaster-brakes and puncture-proof tires, would have been considered miracles of mechanical achievement only a few decades ago, and yet they can be bought today for only a fraction of the prices then prevailing. The Mead Cycle Company, of Chicago, are offering the finest of this year's models at from \$10 to \$24, and the models of 1903 and 1904 at from \$7 to \$12. Their factory clearing sale is attracting much attention among wheelmen, and their special catalogue, which they mail free, is worthy of careful study.

A NEW ROOFING OF MERIT.

We are always glad to call to our readers' attention any article in our Advertising Columns which contains so many good points as the new AMATITE Roofing. For anyone seeking an inexpensive roof that will give most excellent service, we believe AMATITE will more than meet their expectations. A free Sample and further information will be sent for the asking from the Barrett Manufacturing Co., at New York, Chicago, Philadelphia, Cleveland, Cincinnati, St. Louis, Allegheny, Kansas City, New Orleans or Minneapolis.

OCONOMOWOC, WIS.

The Oconomowoc, Wis., fanciers have formed a poultry association there, and will hold their first annual show December 10-16, 1905, and everything points to a big show. The fanciers there are all stirred up and there are already more than twelve different breeders, each taking up a different variety. R. H. Poston is president; C. S. Brent, of Brent & Eddy, vice president and show superintendent, and Dr. H. J. Larson, secretary.

F. W. Oweus, Richwood, Ohio, writes us that this spring has been an unusually early one and he has succeeded in hatching quite a good number of early chicks. He has all the eggs set he wants, hence is offering eggs at greatly reduced prices for the balance of the season and guarantees them to be from the same pens as he hatched his early chicks from. He breeds the two popular varieties, viz., Buff Wyandottes and Buff Ply. Rocks.

Elsewhere will be found the ad of A. R. Swett's Buff Rocks. He breeds nothing except Buff Rocks. He has been breeding for egg product as well as the fancy using trap nests, which have proved very satisfactory for the last five years, each year improving his stock of prize winners as well as the egg product. He has won several years at the poultry show at Elgin; this past season won the first prize pullet,

94; fourth pullet, 93½; second and fourth cockerel and second pen; Charles McClave judge. Each pullet in each pen, eight in all, are proving to be giving excellent satisfaction as layers, thus combining utility with the fancy. The first prize pullet has laid fifty-four eggs from January 1 to April 1. The total from January 1 to April 1 is 392. Two of the birds did not commence until February 7; three others on the 16th.

Ira C. Keller, the Wyandotte man of Prospect, Ohio, writes that his matings were never as fine as this year and is prepared to handle a large egg trade of Golden and White Wyandottes. He recently shipped a consignment of Golden and White Wyandottes to Australia, and another of Golden Wyandottes to New Zealand, and has another order for same for Australia to be shipped soon. This class of trade means very fine birds, as the distance is so far that it does not pay to pay charges on anything ordinary. Mr. Keller has sent many fine Wyandottes to these two countries during the last fifteen years.

Every month "White's Class," composed of the members of White's Class Advertising Co., of Chicago, have a monthly meeting. Frank B. White, president, has recently put in booklet form the address that he made January 23, 1905, on the "Relations of Employer and Employee; or Building Business and Making Men," which is full of splendid advice and good business principles. No doubt Mr. White will be glad to send those interested a copy of this.

Albert R. Swett, of Almore, Ill., reports the following record of egg laying of his Buff Plymouth Rocks. Under date of March 20th he says that the eight pullets he had at the poultry show at Elgin had laid 303 eggs since the first of January. The pullet that took the first prize laid 45 eggs. Two of the pullets did not commence laying until late in February. Mr. Swett has for three years kept record of the eggs laid, by means of a trap nest.

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and What it Will Do

ORDER NOW

The New Standard of Perfection, which will soon be issued by American Poultry Association, is in such demand that the sooner you get your order in the better chance you stand of getting one of the first editions. The Standard is a necessity to every poultryman. It is the authority which judges go by at the poultry shows. It describes every standard variety, giving the correct shape, size, color, etc., that a perfect bird should be. With a copy of this book you can judge your own fowls. It enables you to know your best birds, which to take to shows, which to mate for best results. The book will contain over 300 pages with nearly 100 illustrations. The price of it made by the American Poultry Association is \$1.50.

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WHITMAN'S S. C. BUFF LEGHORNS

Won again at the Northern Ill. Poultry Show. My 1st prize cock bird Judge Holden pronounced "a bird among a thousand." EGGS reasonable prices.

R. T. WHITMAN, R. R. 1, Belvidere, Ill.,

Eggs-Hahne's Lt. Brahmas-Eggs

EGGS \$3 for 13, \$5 for 26. For incubator eggs \$10 per 100. Send for beautiful illustrated catalogue free. FRED HAHNE 517 Webster St., Webster City, Iowa

ROBSON'S BUFF ROCKS.

May yards contain the 2d cockerel 914 at Danville, Ill., and 1st pullet 934, Ohio State Show at Dayton this year. I have two good yards mated for this season. Eggs \$2 for 15. R. H. Robson, 203 N. Main St., Urbana, O

Barred Ply. Rocks

BRADLEY BROS. STRAIN. Won at the Charlotte Poultry Show, Jan. 17 to 20, 1905. First Cock, First Hen, First Pullet, Third Cockerel; First Pen and the Silver Loving Cup for best cock, hen, cockerel and pullet in show. EGGS balance of season \$1.50 per 15 taken from different yards, and \$2 from selected pens. Write for mating list.

C. C. Randleman, Ramseur, N. C.

The Star Poultry Farm

The World's Most Profitable Variety.

SINGLE COMB W. LEGHORNS

After eighteen years of careful mating I have the finest lot of Leghorns ever bred to win as well as to lay. Eggs from the best pens \$2 per 15, \$7 per 100. Give us an order and be convinced.

H. C. HAUSER 633 W. 62d St., Chicago, Ill.

Eggs From World's Fair Winners

Largest exclusive breeder of exhibition Game Bantams, Pit Games and Ferrets in America. Plenty of birds for sale. Write today, tomorrow never comes. When writing for fun enclose stamp.

V. C. HASKELL, Box 542, Zanesville, Ohio

EGGS FOR HATCHING

From our winners at Washington, Cincinnati, Indianapolis, Louisville and Birmingham. EGGS guaranteed to hatch regardless of distance. S. C. B. Minorcas, scoring 93 1/2 to 95 1/2, eggs \$2 per 15. B. P. Rocks, Bradley strain, \$2.50 for 15, \$4.50 for 30. S. C. W. Minorcas, scoring 92 1/2 up, \$1.50 for 15, \$2.50 for 30. S. C. Brown Leghorns, Wittman strain, scoring 93 1/2 to 95, \$1.50 for 15, \$4 for 45. Egg circular free. Winchester Poultry Yards, Geo. B. Nelson, Jr., Mgr., Winchester, Ky.

Mrs. Hill's W. Langshans

won more premiums at World's Fair, St. Louis, Mo., than all the other White Langshan breeders combined. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight.

Mrs. J. S. Hill Purdin, Mo.

By the Walter Hogan System you can pick the pullets that will begin laying earliest and lay the longest. That is a big thing. You can sort the hens into good, bad and indifferent That is bigger. You can choose the cocks that will produce the laying strains. That is the biggest thing of all. There is no expense in using this system after its first cost. It does not take expert training to apply it. You can test it 60 days and get your money back if not satisfied.

Proof and Particulars Free

The Walter Hogan Co., 17 N'tl Bank Bldg. Fergus Falls, Minn.

ECONOMY.

The word economy signifies more than saving. It also embraces the proper utilization of that which we use. Practical economy means not so much to spend little, as it means to spend wisely—so as to get value received, to get all there is in it. Anything that wastes things of value such as time, money, energy and strength is poor economy. This practical idea of economy is interwoven into every fiber of the manufacturing and selling departments of the Advance Fence Co., of 13 Old St., Peoria, Ill.

If you were rigging a ship it would be poor economy to cut the ropes into short pieces and then splice them. In building wire fence it is poor economy to cut the wire in short pieces. It wastes about one-half the strength. It exposes the ungallvanized cut ends to the weather. The continuous stay preserves all the strength of the wire and makes a perfectly smooth job. Why use heavy wire and then whittle it up? It is not practical.

Unnecessary and nonproductive labor is also bad economy. You don't need the assistance of a dealer to buy fence from the factory. The Advance Fence Co. will ship it direct to you, and save you the dealer's profits. That's practical. They have twenty-six good styles to choose from. This enables you to get a "perfect fit" for field, yard, garden and poultry pen.

They pay the freight. You know in advance just exactly what it will cost you delivered. When sending away for things, don't forget to ask, "Who pays the freight?" It's a large item.

Furthermore, they ship the fence on thirty days' trial. If you don't like it, send it back at their expense and get your money back. The Advance Fence Co. has advertised with us for a long time, and we know them to be a reliable, trustworthy concern.

The Emma P. Poultry Farm, of which S. E. Lane is superintendent, at Gurnee, Lake county, Ill., is sending out their annual circular, on request, regarding their White Wyandotte and S. C. White Leghorn mating for the egg business.

This farm consists of forty-five acres devoted to the above two varieties, and their claim of being the most modern equipped poultry plant in America today is well sustained by a glance at the illustrations in this circular. It is a place to delight the heart of any fancier. This plant is owned by David Beidler, a wealthy Chicago man, who hesitates at no reasonable expense upon making his plant as good as can be done with unlimited capital and intelligent management.

Their White Wyandottes are mated for standard size, correct shape and white plumage. Their winnings in three shows in 1904 and 1905 were as follows: White Wyandottes, Milwaukee, January, 1904, 1st pullet, 2nd hen; no males being shown. St. Louis Exposition, 1904, 2nd cockerel; at the Chicago show, January 23-28, 1905, 2nd and 4th cockerels, 2nd pullet and 2nd pen.

They recently added S. C. White Leghorns and have very large birds of this strain. They did not exhibit any of this variety, as the demand for the stock was very large, but all of the pens are mated up with birds both for the highest exhibition and utility. Their eggs are from their best pens; they have no poor pens on the farm.

G. E. Conkey & Co., of Cleveland, Ohio, are placing a new Cholera Cure on the market and are advertising same in this number.

Cholera is the plague of the poultry yard. It does its work so quickly that it is likely to make very serious trouble and loss before its seriousness is realized. It has taken years of experiment and investigation to create a remedy that will check and cure this terrible disease. This they claim they have done and they are so certain of its efficiency that they offer to refund the money paid for same if it fails. Like Conkey's Roup Cure, it is tasteless; is put in the drinking water and taken without the fowl's knowledge.

Descriptive of all poultry diseases is a new book just published by G. E. Conkey & Co. This is worth its weight in gold. Its price is 25 cents, but they will send it to you now for two 2-cent stamps. We ask our readers to send to them for it. It may save you many dollars.

The Edgar Poultry & Egg Farm Co., of Rochwood, Ohio, are offering eggs for hatching now from their pure bred White Plymouth Rocks, White Wyandottes and Single Comb White Leghorns, and announce a reduction in price of eggs.

MAGAZINES.

There is a most attractive outdoor air about the May number of *Scribner's Magazine*. It has a charming colored cover; a drawing, "Flowers of May," by Sarah S. Stilwell, reproduced in colors; a description of Salvini's Tuscan farm in a wild region of Italy; "The Awakening of the Trees," written and illustrated by Frank French; a glimpse of the Grand Canyon of the Colorado, by Benjamin Brooks, with a wonderful series of Elmendorf's pictures; "Breaking Trail," by Frank E. Schooner, giving an account of a winter trip in Canada, with the author's pictures reproduced in tint, and Edwin B. Child's description of the great marble quarries in Vermont, with a series of his own striking pictures. There are also outdoor poems—"To a Mountain Lake," by Martha G. D. Bianchi; "Amid the Orchards," by Mary Findlater; "When We Two Walked in Arcady," by Caroline Duer; and "The Desert," by Ingersoll Coudert, with decorations by Haskell.

A late discovery, of interest to the scientific world, is that of a new small white bear whose home is northwestern British Columbia. An account of the find has been prepared for the May Century by W. J. Holland, director of Carnegie Museum. Efforts are being made by William T. Hornaday, director of the Bronx Park Zoological Garden, New York, to secure living specimens of the animal.

With the uniform high charges for gas, the gas stove is ordinarily the most expensive piece of household machinery, and at the same time it is the one least understood by the average housekeeper. Writing in the May *Delicater* under the topic "Gas Stove and Refrigerator Knowledge," Isabel Gordon Curtis has some suggestions in this connection which rob the gas stove of some of its terrors of cost. Young housewives particularly will profit by reading the article, which is in the series "The Making of a Housewife." Other topics of domestic interest in the same number are "A Crown of Lamb," illustrated for Easter service; "Leftovers," also illustrated, and a fund of kitchen lore and receipts under the headings "A Nest of Eggs," "Novel Methods of Preparing Grapefruit," "New Fillings for Layer Cakes," and "Household Hints."

It is the fashion among the young girls of the leading families of our city to have their linen chests, irrespective of the dreams of matrimony. They acquire in the collection of the linen a useful knowledge of its character and cost, and by the time they are full-grown they possess many beautiful things. They learn also the value of their mothers' linen. The custom is encouraged by the mothers. It enlarges the possibilities of birthday and Christmas gifts.—*Good Housekeeping*.

"Have ye iver noticed how a crab does be walkin' backwards most av th' time? Well, accordin' to th' laws av nature, 't will only be a matter av time till they'll be gettin' heads on th' other ind to be seen' where they're goin'." 'T is that makes involution. * * * Nature is a wonderful thing whin ye come to study it.—*From Charles D. Stewart's "The Fugitive Blacksmith."*

H. P. RANKIN'S CATALOGUE.

It is gratifying to see that every year breeders are paying more and more attention to the catalogues that they put out. The catalogue of H. P. Rankin, of Hartington, Neb., is one of the latest that comes to our desk and is certainly one of the best. This describes, as Mr. Rankin puts it, "America's Big Four" or "Rankin's Royals," consisting of Barred, White and Buff Plymouth Rocks and White Wyandottes.

The catalogue is printed on splendid paper with beautiful half-tone portraits and illustrations, and the reading is concise and to the point: first describing Mr. Rankin and his business, describing his foundation stock and his methods of breeding, a complete list of his matings for 1905 of all his varieties, his prices for stock, egg guarantees, terms and references. It is a catalogue that every reader of AMERICAN POULTRY JOURNAL interested in poultry should send for.

Those of our readers who are looking for Buff Rock eggs should not overlook R. H. Robson, Urbana, Ohio, who has a good lot of Buff Rock eggs for sale from good stock that will make a good investment for any buyer.

RHODE ISLAND REDS.

The question has been frequently asked us, Why have you dropped other varieties of poultry and now breed Rhode Island Reds exclusively?

The reasons if all given fully would occupy three or four numbers of the AMERICAN POULTRY JOURNAL and leave no room for other reading matter nor for advertisements, without which latter we are afraid Mr. Bates and his efficient staff would not be inclined to long furnish us the excellent, instructive and entertaining reading matter to which we all look forward the first of each month.

The writer's experience in writing is limited, so we will have to beg the indulgence of the reader if this article does not come up to the literary merit of time-tried and true poultry writers.

Ten years ago we started in the poultry business on a small scale with a few Barred Rocks, then after a year or two added Golden Wyandottes, and next a pen of B. C. Bantams, and yet a year later added C. I. Games. We enjoyed heartily the pleasure and profit with these breeds and thought our happiness complete.

In the summer of 1899 we read a great many notices about the wonderful qualities of Rhode Island Reds, and after considerable correspondence and investigation we bought in November, 1899, from a prominent eastern breeder a male and nine female Rose Comb Rhode Island Reds.

Upon their arrival we found them in appearance all that had been promised and more than we had hoped for.

We have bred them carefully since, and to say that we were pleased with results would be expressing it mildly, and so finally two years ago we disposed of all other varieties and are now breeding the Reds exclusively.

After disposing of other breeds we bought a pen of Single Comb Reds and are breeding both varieties, but we must

confess that our preference and especial admiration still clings to the Rose Comb Reds, as we really believe they are easier to breed to type as called for in the R. I. Red Standard, are hardier, less liable to frosted combs, wattles, &c., and produce more eggs in a year, but this latter reason may be because we have bred the Rose Comb longer and have

guilty and can truthfully say in extenuation that we have never known anyone who tried Rhode Island Reds that did not also become a "Red crank." The pair of Rose Comb Reds which are the frontispiece to this copy of the AMERICAN POULTRY JOURNAL are honest, representative birds, and show what Reds are. We honestly believe them to be the equal of any pair of Reds in the country. We have been offered \$100 for them, but they are not for sale.

The great trouble in breeding Reds has been the liability of slaty or smutty undercolors when they are bred a deep red, but this trouble is being gradually but surely overcome, and by ordering your eggs or stock of a reliable breeder you are now reasonably certain of getting birds that will come as close to the Red Standard as other breeds do to their standard.

The great injustice that was done at Minneapolis by admitting the so-called American Reds to the Standard and excluding Rose Comb R. I. Reds was undone as much as possible at the special meeting of the American Poultry Association at Pittsburg, April 5, by knocking the American Reds out, but it still prevents the Rose Comb Red being admitted to the Standard until the next annual meeting of the American Poultry Association, to be held next winter, and keeps it from going in the new Standard of Perfection. If anyone who doubted the faith of Rhode Island Red breeders in their pet variety, could have been at Pittsburg and seen the enthusiastic leaders and fighters, they would have had all doubts forever removed.

They were all there and demanding justice, and justice they secured as far as they could at a specially called meeting, and the call so worded by the president (who has always been anti-Red) that the admission of the Rose Comb

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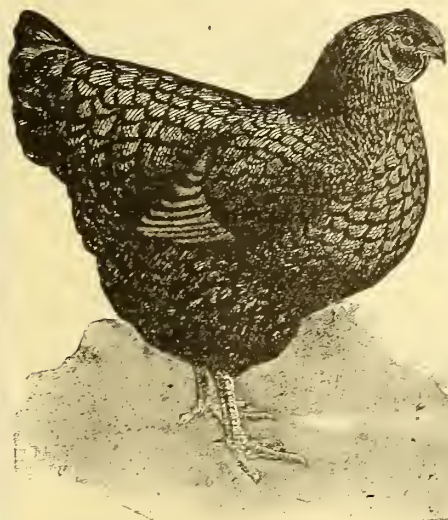


PRINCE CARLTON I.

White Plymouth Rock male that heads pen No. 11 in the yards of H. P. Rankin, Hartington, Neb.

made an especial effort in the line of egg production. Our Rose Comb strain will average 215 eggs yearly, while the Single Comb average about 195.

The writer has been often called a "Red crank." To this charge we plead



23 First Prize Winners at \$3 Each

This is the number reported us hatched from eggs purchased from JONES' WYANDOTTES last season. Now this is a cheap way to start right, with the strongest blood lines on earth. These customers hatched winners that had they bought, would have cost them more than three times this amount.

EGGS FOR HATCHING

If you want the best, and eggs that will hatch winners, as well as the greatest egg producers in the world, then place your order for eggs with

JONES, THE WYANDOTTE MAN

SILVER, GOLDEN and WHITE WYANDOTTES, G. S. and S. S. BANTAMS, thirty-six pens mated to produce best results. Every breeder a line-bred bird, every male a winner with national reputation, the best lot of breeding birds I ever mated in one lot; but why not, they are all line-bred same as our winners. Fourteen prizes at Chicago, 1905, besides our WORLD'S FAIR WINNERS, should be sufficient evidence that the best is found but one place, "THE PINES." EGGS \$3 per 13, \$5 per 26, \$8.50 per 50, \$15 per hundred.

GRAND LOT OF SELECTED BREEDING BIRDS FOR SALE

Send for our 36-page catalogue, handsomely illustrated in colors and tells all about the largest Wyandotte farm in the world, how to mate and produce the strongest blood lines on earth. A book worthy a place in any library. Send 4 cents in stamps for mailing.

Fashionably Bred lot of Scotch Collie Puppies. Also some Imported and American bred brood bitches for sale.

R. E. JONES, "The Pines"

Box 5, Paducah, Ky.

Reds could not be considered at the meeting. But all true lovers of the Rose Comb Reds can rest assured that the Red breeders will not be caught napping at the next meeting of the association, and Rose Comb Reds will then be surely admitted.

So much has been written of Rhode Island Reds in the past few months that it seems useless to add anything, but a short resume of their virtues will certainly not be out of the way and to the true fancier repetition is not always objectionable.

Rhode Island Reds embrace more good qualities than any other variety of poultry. This statement will be vouched for by every one who has ever tried them. Beauty, size, egg production, excellence as table fowl, hardiness, early maturity, freedom from disease, small eaters, active, docile, easily confined (4-foot fence will always keep them in), and practically non-setters. What other breed has all these good characteristics?

What are the objections raised to the variety? The only ones you hear are from those who for selfish reasons only did not want them admitted to the Standard of Perfection.

First, that they are a mongrel breed, and, second, they will not breed true to Standard.

These claims are raised only by those who never have bred them and know nothing about them. We can and do denounce all such claims as absolutely false. Every variety of chicken was a mongrel some time.

The Red is a fair and square cross of the Red Cochins and Malay Game made fifty years ago, and by careful selection and mating by the New England chicken "pioneers," for a general utility fowl has become what it now is, the ideal American chicken, a thing of beauty, utility and joy forever.

As to breeding true to Standard, it will breed a larger percentage of standard birds than any of the Rock, Wyandotte or Leghorn varieties.

What stronger answer is needed than this? The Rhode Island Red Club of America is one of the strongest if not the strongest specialty club in existence, and its officers are men of standing and honor.

Their statements will back up every argument that has been made in this scattering article.

I have left our strongest and best reason for breeding Reds until the last, and that is early maturity. Every poultry breeder knows that in order to have sure winter layers he must hatch his pul-

growing and early maturity of Reds, as in a bunch of Red pullets nine out of ten will commence laying by the time they are five months old. If this article has not tired our readers we may at some future time give them another article, but we hope this has given some of them new light on the Red question and if so we are more than repaid for what we have written. If any reader of AMERICAN POULTRY JOURNAL wants any further information we will gladly answer any communications sent us.

Delaware, Ohio.

CHAS. C. REID.



Heyl's White Wyandotte first prize winners. Geo. A. Heyl, Washington, Ill., bred the above birds and won a silver cup on this pen for the highest scoring pen in the show.

lets in February or March, that is with Plymouth Rocks, Wyandottes and the other well known breeds. These are the two hardest months in the year to rear chicks. Not so with Rhode Island Reds. The best winter layers are those hatched in May and June (perfect months for raising chicks) while chicks hatched late in July with good care will make good winter layers, superior at least to those of other breeds hatched after 1st of April. The reason of this is the quick

Doubleday-Page & Co., publishers of New York City, have sent us a copy of "The First Book of Farming," by Chas. L. Goodrich, farmer, a new volume which they have just published. This is a valuable book deserving of sale to our farmer readers, and can be secured by writing Doubleday, Page & Co., and sending \$1.10.

Poultry Pointers

Tells how to feed chicks and all fowls, also use of beef scraps, bone, etc. Its free. **Alfalfa Meal Co., 1632 Farnam St., Omaha, Neb.**



New Stock For The New Year

improve the quality of your stock by adding a pair, a trio, or pen of our high grade

PRIZE WINNING FARM BRED POULTRY

Last Fall at various State and County Fairs we won **1628 Prizes**

The stock we sell you is just as good for breeding purposes as our prize winners. We guarantee the purity of the breeding and general health, vigor and conditions of everything we ship. Special prices if you write and call attention to this adv.

Our New Catalogue is in press and will be ready for mailing in a few days. It is the most practical poultry book on the market. No high sounding titles; just plain "Chicken Sense." Write and send five 2-cent stamps for a copy. It will save you money.

HERE ARE A FEW of the breeds shown and described at the special prices.

Light or Dark **Brahmas**; Partridge, Buff or White **Cochins**; Black **Langshans**; Barred, White, Buff **Ply. Rocks**; Black or Mottled **Javas**; Golden, Silver White or Buff **Wyandottes**; Black, White or R. C. Black **Minorcas**; S. or R. C. W. or Brown **Leghorns**; or Buff **Leghorns**; Buff **Orpingtons**; Blue **Andalusians**; Cornish Indian or B. B. Red **Games**; Pekin **Ducks**; Toulouse or Embden **Geese**; Mammoth Bronze or White Holland **Turkeys**. See catalogue for complete list.

EGGS

We pay as great care to the selection of eggs for shipping as to the mating, breeding and choosing of stock for filling orders. **We guarantee** all eggs shipped by us to be pure bred and fresh. We pack with greatest possible care. **No better eggs from anyone at any price.** Write us now for what you want and get our quotations before you buy.

The Remarkable Growth of our business has necessitated largely increasing our farm acreage and removing our business offices to commodious rooms in the Seitz Block, opposite Freeport College of Commerce. These changes give us vastly improved facilities for handling all branches of our business. We get our mail every hour and can be instantly reached by Long Distance Phone or Telegraph. Address all correspondence to Freeport. **We have no branches.**

GREAT CENTRAL POULTRY FARMS, The F. W. NIESMAN CO., Props.

Box 40, FREEPORT, ILLINOIS

FROM CUBA.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: In the department "Questions and Answers" of April I see you refer to us to satisfy B. M.'s question.

I willingly take this opportunity to be of some use to the fraternity.

First is perfectly well answered, as this is an ideal climate for poultry—no artificial heat is needed even for raising the chicks—and you may imagine the economy in poultry houses; they are pure luxury here. Respecting the second, although there is no data with which an average market price could be figured, it can be said that prices are in general fair and leave a good margin for profit. This year poultry and eggs are scarce or there has been a greater demand—hens of four pounds, more or less, are worth now about 60 to 70 cents; chicks, 30 to 35, and eggs from 2 to 3 cents and have been as high as 6 cents each. Food is pretty dear, but our greatest drawback are the breeders of your country, who seem to send us their worst—the fact is that I have been trying hard to start an egg farm (what I think pays best), and after two years will have to start afresh, because the strain I had was good for nothing, although the price I paid was very fair.

If B. M. or anybody else needs further particulars about poultry in this country I will be pleased to correspond with them through your good paper.

As this is not my language I hope you will excuse the construction and faults, if any.

RICARDO TOMAS.

Cisufuegor, Cuba.



PRINCE BLUE COAT II.

Barred Plymouth Rock male that heads pen No. 6 in the yards of H. P. Rankin, Hartington, Neb.

In this issue of AMERICAN POULTRY JOURNAL we take pleasure in publishing the picture of Barred Plymouth Rock "Invader," first prize cockerel, Chicago, 1904, and a full brother to first prize cockerel, New York, 1905. The other one is a Leghorn, "Georgous 3rd," first prize Chicago cockerel, 1904, sold for over \$100. Grove Hill Poultry Yards, Waltham, Mass., has the sire and dam

Payne's Chick Feed

The best money can buy. Sample and book, "Poultry Pointers," free.

ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

of "Invader" and they are in the breeding yards this season. They have also the sire and grandsire of "Georgous 3rd," and both of these males head two of their yards this season.

Poultrymen will make no mistake in buying stock or eggs from these people. The clean sweep that they made in winnings in Chicago, 1904, and their many winnings in the eastern shows demon-

strate the quality of their birds. The stock is personally looked after by A. C. Smith, superintendent, and a better breeder cannot be found anywhere in the country.

Cures every time, never fails!
Pratts Distemper Cure.

Made by Pratt Food Co., Phila. Over 30 years old

Millville Matings For 1905

Will Produce Winners For America's Leading Shows

A 16-page list giving careful description and prices of eggs from every mating we have, is free for the asking. We will sell you eggs from every mating on the place, and you will stand an equally good chance with us of raising winners for 1905-6. **At World's Fair, St. Louis**, we won as many firsts as any three other exhibitors combined. An unequalled record in largest show ever held, and in hottest classes. Our winnings were made with our

Barred, Buff and White P. Rocks, Buff and W. Wyandottes

During the past five years over 1200 prizes have been won by our birds at leading shows East and West. Cockerels fit to head your best pens \$5 to \$25 each. Carefully mated pens of five birds \$15 to \$50. **REMEMBER**, we pay return charges on any birds not proving satisfactory. We have the stock. We can and will please you.

SAMPLE TESTIMONIAL.

Millville Poultry Farm Co., Millville, N. J.

Gentlemen—My first prize Boston cockerel, and winner of the \$100 Challenge Cup for champion male bird is Millville Strain. He was sired by a cockerel raised from your eggs, mated to hens from your eggs direct and is a grandson of old "Gold Dust." I think your strain of Buff Rocks the best in the country today. When in need of new blood shall send to Millville.

We won Challenge Cup at Boston in 1902-3, and a Millville bird won it in 1905. Clean sweep for our strain since cup was offered. Our new catalogue will contain similar testimonials from customers of every variety. Mated for the asking. Millville stock and Millville methods will please you, and we hope to add you to our list of permanent customers.

Very truly yours, (Signed) MELVIN FALL, JR.

MILLVILLE POULTRY FARM COMPANY

Maurice F. Delano, Pres., Box J, Millville, N. J.

The Parks Partridge Wyandottes

World's Fair Prize Winners. Stock for sale in pens, trios, pairs and singles. Eggs from prize winning pen at World's Fair, St. Louis, \$5 per 13, other pens \$3 per 13. Orders booked and filled in rotation.

E. A. PARKS, Club Member,

207, 209, 211 West Brighton Ave., Syracuse, N. Y.

Studebaker Model Poultry and Egg Farms

Breeders of Single Comb White Leghorns, Rose Comb Black Minorcas, Rose Comb White Minorcas, and White Holland Turkeys. High Class stock for sale. Eggs in any quantities.

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South Bend, Indiana

1882 SUNNYSIDE POULTRY FARM 1905

—BREEDERS OF—

Holyoke's Green Sheen Black Langshans

We have bred this strain for twenty-three years. They are the best to be had, winners everywhere. Three pens—EGGS, fifteen for \$2.50 or thirty for \$4.

Sunnyside Strain American Reds. We guarantee these to produce more good show birds than other strains. Two pens—EGGS, fifteen for \$2.50 or thirty for \$4.

Sunnyside Strain Barred Rocks. Winners at every show where they have been exhibited. EGGS, fifteen for \$2 or thirty for \$3.50. Fertility guaranteed. Returned eggs replaced. No bird scoring less than 92 in yards. Address

SUNNYSIDE POULTRY FARM, R. R. 3, Adrian, Mich.

J. E. Holyoke, Manager

M. A. Holyoke, Treasurer



To Make Poultry Pay.

Diseases and drowning chickens must be prevented. This can be accomplished by using Sanitary Stone Ware Water Fountains. They prevent poultry diseases and chicks cannot get into them to drown. Poultry judges say they are the best poultry life preservers ever invented. Send for our special low prices. They will surprise you.

The Reliable Poultry Supply Mfg. Co. Rochester, N. Y.



Ha! Ha! Poultrymen!

Now you can rid your fowls of lice and mites without handling the birds, with our Reliable Sure Shot Nest Eggs. They save labor, time and unnecessary expense. Don't monkey any longer using liquids or insect powders. They are a thing of the past. Order a box of our nest eggs at once, only 50c per box delivered at your door. Your money back if not satisfied. Mention A.P.J.

The Reliable Poultry Supply Mfg. Co. Rochester, N. Y.

SPECIAL SALE

We have decided to sell now a large part of our noted prize winning

BRONZE TURKEYS

Mated up any way to please you, single bird, pairs, trios or pens. Remember, our Turkeys won fifteen prizes at World's Fair, including **three first prizes** out of a possible four, and **SPECIAL FOR BEST DISPLAY**. At Madison Square, New York, 1905, we showed eighteen birds, winning 18 prizes. Send for sale list.

EGGS \$5 per 11

MRS. U. R. FISHEL,

BOX A, HOPE, INDIANA

\$5

THE RUSS

Prize Winning Brooder.

SEND FOR DESCRIPTIVE CIRCULAR.

EXCELSIOR WIRE & POULTRY SUPPLY CO., DEPT. O
26 & 28 VESEY STREET, NEW YORK CITY.

Feeding Little Chicks

Is all important if you would keep off bowel complaint and "sleepy disease." The terrible death rate is due to improper feeding. Unused stomachs require special food. Avoid old time losses, by feeding

...DARLING'S CHICK FEED...

It starts them right. Supplies just what nature requires. Gives you more chicks and better chicks for the same money. Price \$2.50 per 100 lb. bag, f. o. b. Chicago, cash with order. Other Poultry Specials: Beef Scraps, \$2.25; Beef Meal, \$1.80; Granulated Bone, \$2.00; Laying Food, \$2.25; Clover meal, \$2.00; Oyster Shells, 60c.; Mica Crystal Grit, 65c. Also Lice Killers and the best line of Poultry Appliances made. Ask for our large Poultry Supply Catalogue, and booklet, "Fill the Egg Basket." Mailed free.

Darling & Company, Dept. C. Union Stock Yards, Chicago.

BARGAIN SALE.

Owing to the large business, the Chicago Poultry Supply House, Lakeside Bldg., Chicago, will move into their new quarters June first and in order not to move all of their goods they will sell everything in the line of supplies at reduced rates. Chick feed \$2.35 per hundred. This feed has no grit in it as all other feeds have, therefore quite a saving to the poultrymen. Mr. Phillips tells us that he has sold many carloads of Model Incubators and Brooders, manufactured by Chas. A. Cyphers, and has several carloads in stock. Therefore is able to ship on short notice and you save freight from Buffalo. He is also agent for the celebrated Star Whitewashing machines.

The Partridge Wyandottes that E. A. Parks, of Syracuse, N. Y., is breeding are the original Geo. H. Brackenbury strain, he being one of the first to breed Partridge Wyandottes in the country or in the world. Mr. Parks has the original blood. Last August his entire poultry plant, along with a large storehouse, which contained about ten carloads of paper stock in bales, burned to the ground. At first sight of the fire his thoughts were for his prize-winning Partridge Wyandottes. He, with the aid of Mrs. Parks, succeeded in saving a large number of fowls at considerable risk to both of them in the burning building. He then had to turn his attention to his house to save that. In the meantime Mrs. Parks kept at work getting out the poultry and believed she had succeeded in saving all of them. Mr. Parks asked her why she should take the risk of her life for poultry, and her answer was: "I knew you had made your entry for the New York State Fair, and if I allowed them to burn up what would you do for stock to fill your entries with?" The next morning he found that only two fowls were destroyed, enabling him to make his entry at the state fair, Syracuse, N. Y., Sept. 5-10, 1904, on which he won as follows: 1st breeding pen old stock; 1st and 2nd pen chicks; 1st and 2nd pullet; 2nd hen and 2nd cockerel in a class of seventy-five birds. He was also winner at the World's Fair, St. Louis, and Brockton, Mass., where the best quality of Partridge Wyandottes were in competition. Last fall he built a new poultry house which is 70x14 feet, and now has plenty of breeding pens from which he is selling eggs for hatching. He has sent eggs to about all the states this spring from the best pen, which includes his World's Fair prize winners.

He concludes by giving a tribute to Mrs. Parks, for it was through her efforts that he is now in the poultry business, and that he was enabled to preserve the original of Geo. H. Brackenbury's strain of Partridge Wyandottes.

Among the readers of AMERICAN POULTRY JOURNAL there are many women interested in the poultry business. There are a good many women who are making a business of poultry and advertise their stock and eggs in AMERICAN POULTRY JOURNAL and with the care and attention that the women give poultry matters, as well as all other matters that they are interested in, it is only just and a compliment to the sex that women buyers patronize the women breeders. Especially is this true when the best of stock and eggs can be guaranteed.

Mrs. T. F. Leonard, of Mt. Sterling, Ohio, has good White Wyandottes. She has carefully selected four pens of her very best White Wyandotte hens and pullets of good size, shape, excellent laying qualities, mated with fine cockerels of grand shape, pure white plumage, superb carriage and fine Wyandotte points. These birds are young, vigorous stock and will produce first-class chicks. Mrs. Leonard guarantees satisfaction in all her dealings.

Mrs. Leonard's trade need not necessarily be confined to the women, for there are many men in the poultry business who are glad of the opportunity to buy stock from a breeder who is giving careful and conscientious attention to the business. They can many times secure good pointers in the management of fowls as well as buy good stock and eggs, whereby their own yards may be benefited. We take pleasure, therefore, in speaking a good word for Mrs. Leonard and her good White Wyandottes.

A GOOD FOUNDATION.

The corner-stone of a successful career in the great field of poultry culture is a man. As the corner-stone is the most important part of the foundation, so the man is the most important part in getting a start as a fancier. It does not all depend upon the quality of poultry raised nor the food fed, but upon the ambition "chickenward" that is within the man. A man whose heart is thoroughly with his chickens will spend his idle evenings contriving means whereby he can make them more comfortable for the long winter nights and the rainy days in April; he will rise early in the morning to feed them, and the quality of his chickens will improve proportionately to the amount of care they receive.

Taking it for granted that you are one of this kind, we must find the stones which will complete the good foundation. The first one is a good shelter for your fowls. The question is often asked, "What is a good poultry house?" In answer to this query, page after page has been written, all describing some particular kind of building or some favorite idea is advanced. This is all very well, but the information may all be put "in a nutshell" by saying, "Be sure your house is warm, dry and well ventilated." The modern improvements and conveniences may be added after the above has been complied with, but do not sacrifice the comfort of your fowls for anything that is simply pleasing to the eye.

The second stone is the chickens themselves. Start out by selecting your own favorite breed—then observe the following: Get the best birds your pocketbook will allow. The ambition of every true fancier is to breed perfect specimens for the show room, so when making purchases remember that by buying a poor chicken you are wasting a year or maybe more of valuable time and patience in attaining your ideal. As to the way to start, do that as profitably as possible; whether you begin with a pair, trio or setting of eggs, be sure they are from a reliable strain of a responsible breeder. Most poultry men recommend to the amateur that they commence with a pair, or trio, and from the very start breed in line, mating the best pullet to the original cock and the best cockerel to the original

Only half usual quantity necessary. **Pratts Harness Soap.**

Made by Pratt Food Co., Phila. Over 30 years old.

hen, and so on, always selecting the very best. Too much could not be said in regard to the condition of the poultry. Health and vigor are the main points to be observed along this line. It does not take a great deal of observation to make out that vigor is the main characteristic of the parent birds that is reproduced so nearly alike in their offspring. Vigor is the foundation of the breeding pens, which produce the winners for our great national shows. The recognized leaders

ing in the culture of poultry, our methods are improving, and our results are far better than ever before; nothing other than the poultry journal is responsible for the universal distribution of this knowledge, which is improving the fanciers and their product and which is instilling the liking for "our feathered friends" within the minds of so many people.

W. A. HERBRUCK.

We have received the catalogue and recent mating list of Grove Hill Poultry Yards, Waltham, Mass., of which Wm. Ellery Bright is proprietor and A. C. Smith superintendent. There is no discounting the quality of stock or eggs that go out from these yards. Mr. Bright, the proprietor, is an enthusiastic fancier, and the yards are under the personal supervision of A. C. Smith, who is well known to every breeder in the country.

We wish to call special attention to their mating list. This is one of the largest and best mating lists sent out by any of our breeders, and contains absolutely all information needed by anyone interested in the varieties that they breed, Barred Plymouth Rocks and Brown Leghorns. These people made some of the best winnings of Chicago, New York and Boston in late years, and the result of intelligent mating and breeding is clearly shown in prizes they have won. The mating list, giving all this information, should receive more than passing attention, as it contains illustrations of their birds, description of all the prizes they have won and a very complete and detailed description of all their breeding pens. They are ready for the egg trade and want to place a copy of this mating list in the hands of every reader of AMERICAN POULTRY JOURNAL.



QUEEN DODO.

White Wyandotte female, score 95½. In the yards of H. P. Rankin, Hartington, Neb.

in the poultry world never permit a bird which lacks vigor to remain in their yards—they "soup 'em."

The mortar with which we would cement these stones together is good poultry literature. Here the minute details of the work are found in a most concise and readable form. In one article the question of feeding could not be treated satisfactorily, but with the combination of articles, such as found in the AMERICAN POULTRY JOURNAL, the subject is covered thoroughly and, best of all, the advice is practical. We are progress-

C. A. Stroh, of Burlington, Wis., breeder of Barred Plymouth Rocks exclusively, has just finished a very fine and large poultry house at his new home in Burlington, and is now nicely situated to give his customers first-class satisfaction. He is sending out to those who inquire for it his catalogue describing his Barred Plymouth Rocks, including his matings for 1905, description of his stock and some good testimonial letters and prices on eggs, which are very reasonable. This catalogue will be sent to any one who writes for it, mentioning AMERICAN POULTRY JOURNAL.

Alfalmo Poultry Feed

A complete balanced ration, alfalfa meal, grains, meat products, etc. Sample free.
ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, standard qualities have not been neglected. They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Stock for sale. Eggs for Hatching \$2.00 per 15, \$3.75 per 30, \$5.00 per 45, \$10.00 per 100. From winners pen \$3.00 per 15, \$5.00 per 30. Illustrated circular free

No Better Anywhere
At Any Price.

Winners at Madison Square Garden, N. Y., 1903-1904-1905

H. J. BLANCHARD

Box 997, Groton, N. Y.

25 COCKERELS, ONLY \$1 EACH!

We have six White Wyandotte, eight Barred Plymouth Rock, nine White Plymouth Rock and two Buff Rock cockerels that we must sacrifice at once, therefore we offer them at \$1 each. These will improve your flock. Order at once.

CONGRESS PARK POULTRY YARDS, Congress Park, Ill.

HATCH CHICKENS IN JUNE.

There is no reason why farmers and others, having good range, should not successfully raise a large number of June-hatched chicks, and I believe more would be hatched if it were not for the work of properly caring for them during the hot days of July and August. This can be so arranged that they can be made comfortable and kept growing with much less care than is required for those hatched earlier. It is too much to expect of the housewife to go out in the heat every two or three hours and stand guard over each brood, to keep the older chicks from crowding the little ones away while they eat, and the average man has neither time nor patience to do it, but, unless they have good care, and plenty of food they get rough and puny and one by one drop off, until in a little while the whole brood is among the missing. This is our method and we do not find it tedious.

Large, round coops are placed in the shade of a tree. We use large barrels or hogsheds obtained from the crockery store at small cost for coops with a front made of lath and fastened so as to be easily removed. A few inches of dry earth, or what is better, cut straw, is placed in the bottom. Into this the hen, with about twenty chicks, is placed. (We much prefer the hen to the brooder for summer.) They are allowed to remain here a few days until the chicks are strong and the hen becomes accustomed to her new home and will return at night. During these first few days they are fed four times a day on bread crumbs, Johnnycake, cracked wheat or steel-cut oats. After this a crate, 2½x

3½ feet, covered with lath, so only the smaller chicks can go in, is placed in the shade. Under this is placed a pan or shallow box for the food. At night sufficient wheat with occasionally a little cracked corn is put in to last until the next noon, when a mash is given composed of one part steel-cut oats to two of bran, moistened with *sweet* milk and one raw egg to a quart of mash. The infertile eggs that have been tested out are used. They eat this greedily. Enough is given to last two or three hours and at supper time the boxes are again filled with grain. Of course, this diet can be varied and as they grow older the mash can be dropped and cut-bone given, then enough grain for a day can be placed in the boxes at night. Fresh water must always be near and the coops kept clean.

As soon as they are allowed to run at large there must be shade provided. A corn or Russian sunflower patch is an ideal place for them, as is an orchard. They like to scratch in the earth that is kept moist and cultivated, and if allowed in the corn or sunflower patch will spend the most of their time there. You can see them grow from day to day.

I have said nothing about vermin, as everyone knows the importance of keeping it down. If the hen has been dusted with insect powder before being placed in the coop and dusted once a week afterwards, there will be no trouble. If insect powder is not at hand the feathers of the hen can be slightly moistened with kerosene once in two weeks. This should be done in the evening.

The coop must be securely closed at night, for late Summer brings many enemies to the chicks.

By following this method chicks can be

easily raised, and by Christmas will compare favorably with the earlier ones. The Plymouth Rocks and Wyandottes will begin laying about that time and will make good breeders the following Spring.

MRS. C. F. DINSMORE.

North Ogden, Utah.

THE SUMMER TREATMENT OF DUCKS.

Provided the young birds can be kept out of the heat of the sun, the hatching of ducklings may still be proceeded with. The price for young ducks, which formerly fell, after the green peas were over, is now remunerative even till October, for people seem to have realized that a well-fed young duck is good eating at any time. They grow almost faster in the summer than they do earlier in the year, and are fit for the table at eight or nine weeks old. The eggs can be hatched under some broody hens, which are only too plentiful at this time. It will do the hens good to have a rest and will cause them to molt earlier and more easily and to begin laying sooner in the fall, an important matter, if the fowls are to be kept for another year.

The ducklings must be fed at regular intervals from morning till night with as much food as they can eat. Particular care must be taken not to let any lie about, for in warm weather it will quickly turn sour. Barley meal mixed with midlings and a little bran, or ground oats or corn meal are all useful for bringing

25c. can Pratt's Powdered Lice Killer saved \$5.00 in fowls.

Made by Pratt Food Co., Phila. Over 30 years old.

EGGS

Barred Plymouth Rocks
White Plymouth Rocks
White Wyandottes
S. C. White Leghorns
S. C. Brown Leghorns

\$2

For the balance of the season we are offering eggs from our prize winning stock at \$2 per 13, \$3 per 30.

Get The Best at Half Price

Remember we won first cock and first pen at the last Chicago Show on White Wyandottes.

Incubator Eggs \$8.00 Per 100

If taken in larger lots than 100 a liberal reduction from this price will be allowed.

Now is The Time to Order

Send 4 cents in stamps and get a copy of our 128-page poultry book, "Successful Poultry Culture for Pleasure and profit," on ten days' approval. Address

CONGRESS PARK POULTRY YARDS

Box A, Congress Park, Illinois

them on quickly. A small quantity of cracklings, which have been broken into pieces and boiled for two or three hours, should be added to the meal. Young nettles boiled are very wholesome, especially at this season, either given chopped up finely or the water strained off and poured over the soft food. This helps the young birds to feather and keeps them in health. The meal must be mixed into a stiff, crumbly paste, so that it can be eaten without sticking to the beaks. Water to drink must be provided both

the commonest ailments for young ducks to suffer from in the summer is diarrhoea. One of the best modes of treating this is to give milk, to which is added a dessertspoonful of ground ginger. After the milk has become cool, some dry rice is mixed with it and a teaspoonful given twice a day to each invalid.

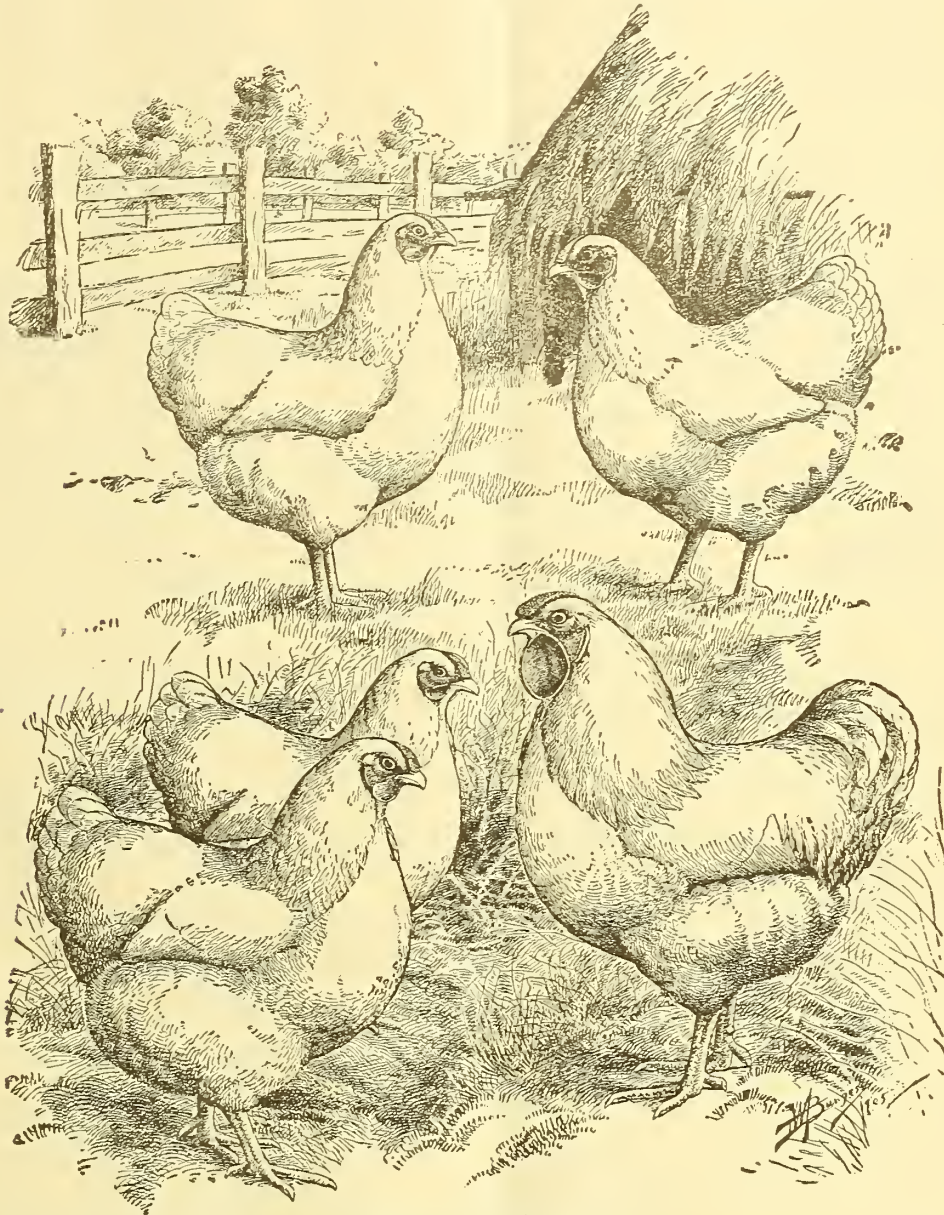
At this period of the year a drake of such breeds as the Rouen will throw off the bright feathers, which have rendered him so handsome an object, and assume

must not be allowed to become too fat. Medium sized birds should be kept instead of those that are large. Big, heavy ducks are seldom good layers, and their eggs cannot be depended on to be fertile so readily as those of less bulky birds. It will be as well to reserve a second-season drake to mate with young ducks in the fall.

A. V. MEERSCH.

Poughkeepsie, N. Y.

We have received a copy of the latest book issued by the Howard Pub. Co., Wash-



WHITE WYANDOTTES.

First Prize Pen at the Cambridge Show, Owned and Bred by Chas. McClave, New London, Ohio.

before and after eating. They must have plenty of gritty sand, which is necessary for digestion. It is most important that the ducklings are located where there is plenty of shade, otherwise apoplexy will prove fatal in many instances and the youngsters will die off quickly. One of

PAYNE'S CHICK FEED

Contains everything needed by chicks—grain and meat products. Send for sample.
ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

a dull colored and more sombre plumage, like that of the female. He will regain his beautiful costume by degrees, though it is not at its best again until late in the fall. The stock ducks must not be overfed at this time. If in a confined run they must have plenty of green food, particularly cut grass. Cabbage leaves must not be allowed to remain in the yard uneaten, or they will soon become foul smelling. The young ducks that were hatched about March, and which it is intended to retain for winter laying,

ington, D. C. This is the latest of the Feather Library books and is devoted to Wyandottes, by T. F. McGrew, and will be sent for 50c.

Mrs. A. J. Colvin of Pearl, Ill., breeder of White Wyandottes, Bronze turkeys and Pekin ducks, is offering above breeding stock and eggs for May at a very reasonable price. She guarantees her stock to be true to name and first-class in every respect.

Made of pure vegetable drug
Pratts Hog Cholera Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

PURE BRED POULTRY.

It is folly to raise any other kind. Costs no more to feed and house and raises largest and better laying stock.

The demand for thoroughbred stock and eggs is rapidly increasing. Not only do people want pure bred stock, but they want the best.

There is a reason for this. What is it? Much is due to the many poultry magazines now published in the interest of poultry raisers, the numerous farm papers, and the daily and weekly press. All papers when mentioning poultry matters at all advocate the raising of the best. Then there is another great influence at work—the farmers' institutes. Lecturers before these audiences insist upon the raising of pure bred stock from an economical standpoint. Every farmer

will admit the value of thoroughbred cattle, hogs and sheep, but has been slow in recognizing the hen and her dividend paying ability. Truly, "the hen which lays the golden egg" is the one which has been active in egg manufacture during the past two years. With prevailing prices of eggs and stock the flock of hens on the farm will pay larger dividends on the original investment than any other variety of stock. But to get good results just as much care must be given the hen in the way of systematic feeding and care as is given other stock. The same is true of mongrel or thoroughbred. There are few people who fail to admire a flock of pure bred and nicely marked fowls, no matter what variety. The mongrel is always out of place. It mars the harmony of a perfect picture and "smacks" strongly of indifference, negligence and non-progressiveness. To-day it is an easy matter for every farmer to be up-to-date. The telephone and rural free delivery of mail, bringing the daily paper,

hens. It is the best plan for the amateur and farmer.

If this plan is followed there will be no need of buying stock from other breeders each year. But if there appears a tendency to degeneracy, buy a new male and get a good one. Be content with the variety you raise, first having selected a good general purpose fowl, give them good attention and note results. There will be no disappointment. Of course, the poultry house must be cleaned each week and thoroughly freed from vermin. Lice and poultry are antagonistic—the former usually carrying off the honors in the mix-up. Be content, keep everlastingly at it, and your efforts will be crowned with success.

A. L. BARNES, M. D.

Southport, Ind.

Charles McClave, of New London, Ohio, won at Cambridge, Ohio, show, which was the largest in that state in the last winter, on White Wyandottes as follows: 1st cock, 95; 1st and 2nd cockerel, 95, 95½;

Pratts Animal Regulator cured his horses.

Made by Pratt Food Co., Phila. Over 30 years old.

Payne's Chick Feed

Choice selected grains, meat scraps, bone and grit; the best that money can buy. Send for sample. Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.

THE RACINE INCUBATOR is the simple, dependable kind, used by thousands of successful poultrymen and women. This book about incubators is a complete education on incubators. Free.

Racine Hatcher Co., Box 26, Racine, Wis.

BLACK, BUFF AND PARTRIDGE

COCHINS

And Bearded Silver Polish.

EGGS \$2 and \$3 per 13. Birds \$2 to \$10 each; \$5 to \$20 per trio. Prize Winners for twenty-four years. Circular free.

Dr. H. F. Ballard Chenoa, Ill.



Young Chicks

Pure bred, heavy laying strain of S. C. Brown and White Leghorns, Barred and Buff Rocks and White Wyandottes at 20c each. Distance no objection.

CHAS. E. MURBACH

879 N. Leavitt St. Chicago, Ill.

POULTRY PAYS



when the hens lay. Keep them laying. For hatching and brooding use the best reasonable priced incubators and brooders—built upon honor, sold upon guarantee.

THE ORMAS

BANTA MFG. CO., Ligonier, Indiana.



PATENT YOUR IDEAS

\$100,000 offered for one invention; \$5,000 for another. Book "How to Obtain a Patent" and "What to Invent" sent free. Send rough sketch for free report as to patentability. We advertise your patent for sale at our expense.

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Pure, Brilliant, Fast Colors. Quickest, Safest surest dyes made. Same package Star Dye colors cotton, wool, silk or mixed goods. All other dyes require different dyes for different goods. Star Dyes do the work in ONE HOUR. No chemicals required. Cheapest and best for successful home use—no failures if instructions are followed. Ninety beautiful shades. Sold by mail only—10c per package.

HIGGINS MFG. CO., DEPT. 14, OLD TOWN, MAINE

Attend To Your Renewal.

Many thousand subscriptions to the AMERICAN POULTRY JOURNAL expire this month, and we would ask as a favor that the matter be attended to at the very earliest date possible. Sometimes our subscribers wait to be personally notified by mail of the date of expiration. With such heavy work as falls upon our subscription department at this time of the year, it is impossible for us to write each one, so we would thank our patrons to attend to their renewals promptly without waiting for any special notification.

Subscription offers will be seen on various pages of the Journal. Send in two subscriptions at 50c each and we give your own FREE.

We cut off at date of expiration. The date on the wrapper of your paper will show to what time you are paid. "Mar. 05," for instance, means that you are paid to March, 1905.

As the policy of the AMERICAN POULTRY JOURNAL is to have all subscriptions payable in advance, we would be pleased to hear from each one in good time, so that there may be no disappointment caused by being dropped from our list. Send your subscription AT ONCE.

American Poultry Journal Pub. Co.

325 Dearborn St., Chicago, Ill.

make all this possible. With all this the climax has not been reached unless all scrub stock has been disposed of. To breed pure strains in stock does not imply that a farmer is a "crank," but brands him as a scientific and prosperous man. This argument is fact, not fancy. The "getting a start" is a great "boogoo-boo" with so many who have become converted to the pure-bred theory. It is waste of time to search the country over for the cheapest eggs and stock to be found. Such economy may prove to be a false economy, much to your chagrin, when the harvest time comes.

Pay a fair price and buy from reliable breeders. Start right and keep right. After the first season dispose of every other variety on the place, cull your flock closely and sell all poorly marked or undersized specimens. Keep right by employing the line breeding plan—best cock to best pullets and best cockerel to best

1st, 2nd and 4th hen, 95, 95½; 1st, 2nd and 3rd pullets, 95½, 95¾; and all of the National White Wyandotte Club specials for best cock, best cockerel, best hen, best pullet and best pen; also the \$65 sweep-stake prize for the highest scoring pen over all varieties in the show, 100 pens in competition.

Every one of these birds were bred by Mr. Chas. McClave and not purchased for the show. He commenced breeding this variety before they were admitted to the Standard, therefore has the oldest strain in Ohio. His birds are especially strong in size, low, even comb, bay eyes, clear white plumage, good yellow shanks, and typical Wyandotte shape. His breeding pens contain fully 200 head of exhibition birds.

Geo. O. Anderson, of Rushville, Ind., has been making quite a record with his Bronze turkeys of late, and at Cincinnati's big show he won everything in sight. He has some grand B. P. Rocks and won 3d cockerel in a very hot class. His Giant Brahmas, too, have been winning at the big shows. George is a clever fellow and those wanting eggs will do well to write him, as he has the goods and will treat you right.

FARMERS NEGLECT THEIR POULTRY.

Farmers do not give enough attention to their poultry. Last June, after I was through breeding, I thought it would be a good thing for my Wyandottes to send them out in the country until about September. I looked around for a reliable man and found one about a mile from town—an ideal of a place; two big wheat fields for them to roam in. He was to have the eggs for their keep. I looked for their henhouse and could not see one. He said he had lived there for ten years and never had any use for one; their chickens roosted in trees in summer and the barn in winter. He had about a dozen mongrel hens and a variegated colored Leghorn cockerel. He consented to kill the cockerel, so I took two of my

male birds out with the hens. He let me fix up an old outhouse for them. I whitewashed it and sprayed with disinfectant, and his wife said, "Oh fudge, such fussing with a few chickens." In a few days they commenced to shell out the eggs.

He thought it strange mine laid most every day, while his not over half the time. He set eggs from my hens and some from his. The "Dottes" seemed to start to grow as soon as out of the shells. He said he never thought there was so much difference in thoroughbreds and common chicks. Several of the neighboring farmers came over and looked at the two broods, and would hardly believe they were hatched at the same time. I have demonstrated to them the superior qualities of the fancy birds over the common barn-yard fowls.

This farmer's wife made fun of me for cleaning out every week; she said her father used to clean out their henhouse every spring. She said their chickens did not have any lice. I caught one and sprayed it with insect powder and shook her over a clean paper. They had lice by the thousands. If farmers would discard their cocks and cockerels and get good males to breed to their females they would be ahead at the end of the year. It would be better to sell off all the common stock and get some thoroughbreds or eggs from some reputable breeder. There is nothing prettier than a flock all of one color, no matter what breed. Most farmers think the hen is too small a business for them. I could take this man's place and raise as much wheat as he did, besides stocking it with chickens and turkeys, and let the fowls have the run of the fields after harvest, and make more out of the poultry and eggs than he got for his wheat. The majority of farmers have six months out of the year to look after the poultry, if they were not so "tired" or have to go to town about every day.

I know a man that bought 100 White Rock cockerels from U. R. Fishel and advertised that the farmers around could have one or more for \$1 each and breed to their mongrels, and he would buy them back in the fall for the price paid by them. His object was to raise the standard of the common stock. Only twenty-five or thirty farmers took advantage of his offer. He is a shipper of dressed poultry. He told me it was discouraging to try and do anything with farmers in general as regards poultry. They say it is work for the women. With all respect for the farmers, I remain, yours, &c., D. H. Ruhl.

Middletown, Ohio.

BUSY POULTRYMEN.

These are busy times for the poultry fraternity. The prolonged cold and backward spring made buyers slow about placing early orders and now every one is in a hurry.

It is under conditions like these that a large firm like the F. W. Neisman Co. of Freeport, Ill., show up their facilities to the best possible advantage. With a volume of business crowded into a few short weeks that ought to cover months they handle their orders swiftly and make no mistakes. A visit to their immense farms just now would be very interesting except that every man and boy about the establishment is on the jump from early to late hustling to fill orders, and visitors would have to shift for themselves unless they were buyers.

Eggs are in great demand just now, but so carefully has Mr. Neisman prepared for this feature of the business that very prompt service is given all orders for eggs, thus insuring fresh eggs from pure bred stock of undoubted health and vigor. Their being farm bred safeguards against disease or low vitality.

We can and do very heartily recommend this firm to readers of AMERICAN POULTRY JOURNAL. Write for their catalogue. Address F. W. Neisman Co., Box 40, Freeport, Ill., and mention AMERICAN POULTRY JOURNAL when you write.

NOTICE.

Chas. A. Cyphers states that his advertisement in this issue appears to him to be the most important one he has put out. He would ask that it be read carefully.

Your horse has fever. Quick! Pratts Prepared Fever Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

Payne's Chick Feed

None quite so good; sold on its merits. Sample and book, "Poultry Pointers," free. ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.



THE SANITARY PORTABLE HOUSES

are light, warm and dry. Good house for renter and city breeder. SIX STYLES AND SIZES. Prices reasonable, material and workmanship A1. Low freight rates. Use box No. in writing for Catalog. Box 1

SANITARY HOUSE CO., Lemont, Ill.

BAIR'S BARRED ROCKS

are daily proving their claim of being LEADERS FOR EXHIBITION AND UTILITY. Since 1901 they have won in my own and customers' hands 316 regular premiums. In my hands they won on every bird entered at Pan-American Exposition, Missouri and Kansas State Shows and at the big Kansas City Shows, and finally in the great World's Fair Show. In Missouri's awards I won on every bird entered, winning 9 regular premiums, 1st and 2d cock, 3d and 4th hen, 4th and 5th cockerel, 4th and 5th pullet and 2d pen. In my yards the 200-egg hen is a reality. Lady Pan, the greatest living hen, has a record of 247 eggs for year 1903 and 11 blue ribbons won in the largest shows of the country. I have for sale fine cockerels from Lady Pan pullet line, and extra fine ckl. breeding pullets. Eggs from selected matings, \$3 per 15, \$5 per 30.

L. O. BAIR, 2721 Cherry St., Kansas City, Mo.

EGGS FROM LAPHAM'S BUFF PLY. ROCKS

The WORLDS famous winners, they have won the cream of the prizes in nine large shows this season which is a record by itself. Winnings in the nine shows, 24 firsts, 23 seconds, 12 thirds, 12 fourths, 3 fifths, 1 ninth. This record includes my recent record at CHICAGO where I won 1st cock, 1st pullet, 1st pen, 3rd and 5th ckl. and 5th hen; also the \$35.00 silver cup offered for best display. I will have 15 pens this season that are as fine as can be found. Price from \$2.00 to \$5.00 per 15 eggs. "Handsome illustrated catalogue ready for mailing which will explain each pen. A limited number of show birds for sale. Please mention this paper. Remember the name, "Lapham's Gold Medal Strain."

DEARBORN POULTRY YARDS S. D. Lapham, Prop., Dearborn, Mich.

COLLINS' RELIABLE POULTRY REMEDIES

Roup Cure, 25c. Cholera Cure, 25c. Diarrhoea Cure, 25c. Poultry Tonic, 25c. Cond. Powder, 25c. Cure Guaranteed.

Poultrymen, my remedies are backed by professional services. Convince yourself of the unequalled qualities they possess by giving me a trial order, and if they do not prove superior to any you have used I will cheerfully refund your money. I know positively from practical experience and unsolicited testimonials from users, that these remedies will meet every duty required of them with never failing results. Accept no substitute, as there is none just as good. Agents wanted, liberal inducements. Send stamp for descriptive Circular.

Mfg. by C. J. COLLINS & Co. Hartford, N. J.

Cut Prices on Eggs For Hatching

As an inducement to secure new customers I will sell eggs this month at half price.

Light Brahmas,	\$1.00 per 13	Black Langshans,	\$1.00 per 13	W. C. Black Pollsh,	\$2.00 per 13
Dark Brahmas,	1.00 " 13	S. C. B. Leghorns,	1.00 " 13	Bine Andalusians,	2.00 " 13
Buff Cochins,	1.00 " 13	R. C. B. Leghorns,	1.00 " 13	Buff Rocks,	1.50 " 13
Partridge Cochius,	1.00 " 13	S. C. Black Minorcas,	1.00 " 13	Golden Wyandottes,	1.50 " 13
Parred Ply. Rocks,	1.00 " 13	B. B. Red Games,	1.00 " 13	Buff Wyandottes,	1.50 " 13
White Ply. Rocks,	1.00 " 13	Cornish Indian Games,	1.50 " 13	S. C. W. Leghorns,	1.50 " 13
White Wyandottes,	1.00 " 13	English Red Caps,	2.00 " 13	Pekiu Ducks,	1.50 " 11
Silver Laced Wyandottes	1.00 " 13	Silver Polish,	2.00 " 13	Rouen Ducks,	1.50 " 11
		M. B. Turkeys,	\$2.50 per 9.	W. H. Turkeys,	\$2.50 per 9.

Order direct from this ad and try a setting or two and you will know where to buy stock and eggs next year. NONE BETTER AT ANY PRICE.

Address W. H. SHONS, Box 116, Freeport, Illinois

№1-SINGLE ROOST STYLE

Get Ready—They're Coming.

Millions of mites will come with the hot weather to suck the life blood of your flock. Don't wait until your fowls are infested with vermin and your busy season is on before installing our anti-louse roost fixtures, which will effectually prevent their ravages.

Davis Anti-Louse Roost Brackets

make it impossible for them to get onto the perches from the wall or to wall from perch without getting trapped in the oil cups which catch them by thousands. Most convenient and practical and the only bracket made that lifts up out of the way for cleaning dropping board, painting underside of roosts, etc. More eggs and increased vitality of chicks and fowls will result from their use.

Prices: No. 1 or single roost style with screws, 75c per pair; 3 pair, \$2.00; 6 pair, \$3.50; 12 pair, \$5.25. No. 2 or multiple roost style complete with chains and screws \$1.25 per set; 3 set, \$3.25; 6 set, \$6.00; 12 set, \$11.50; f. o. b. Battle Creek, Mich. Circular free. Ask your supply dealer for them. Order today. Don't wait. Do it now.

The Keyes-Davis Co., Ltd., Mfrs., Dept. B, Battle Creek, Mich.

№2 MULTIPLE ROOST STYLE

The Raising of Pigeons with Poultry.

The breeding of pigeons in connection with poultry either for the fancy or breeding squabs for market has engaged the attention of poultry men in many instances, and with some it has been the means of adding quite a little to the income of the breeder. A place for the loft or pen may be utilized that heretofore has simply served for storage or as waste room such as the loft of a barn, stable or shed, or any building so that it is dry and comfortably built. The birds may be confined to fly in a covered run or flying yard or allowed their liberty. As the game birds are constantly becoming more scarce, the demand for squabs for hotels, restaurants, clubs, and private families is constantly on the increase, and the largest and most steady income from pigeons will be from the breeding of squabs. The cost of keeping pigeons is not so large as poultry, a pair of pigeons will eat about one bushel of grain per year, including the feeding of their young, so that one can easily figure the cost. The fact that they can be kept in comparatively large numbers in small quarters has its advantages, where a breeder has but small space at command.

The breed to keep for raising squabs for market has many advocates of different crosses, just as some breeders of poultry think that certain crosses of pen-bred poultry make better market stock or layers. A squab that will weigh about 6½ to 8 pounds to the dozen is a desirable size. Crosses commonly used are Homers and Runts, Homers and Mondamis, Homers and Dutches, or Antwerp

and Dagoon, instead of the Homers crossed with the above. But the writer has found that quite as good results can be obtained by the judicious and careful breeding of Homers, breeding on the line of the parent birds that are the most prolific and that raise the largest and best squabs. Homers are the most rapid breeders and best feeders of their kind. They will hatch from 5 to 11 pair of squabs a year, and by careful selection the average can be largely increased and maintained. Now as to the profit, squabs are selling now in the eastern markets at from \$2.50 to \$3.50 per dozen at

wholesale. The price will average about the same throughout the year rather more than less. The cost to keep a pair of Homers, including the raising of their young, at the present time, is about 75 cents per year. An average flock of Homers should produce at least six pair of squabs, carefully selected, will raise more. Six pair of squabs are worth \$3.00, showing profit of \$2.25 per year.

**Quick results sure by using
Pratts Vet. Worm Powder.**

Made by Pratt Food Co., Phila. Over 30 years old.

GOOD FOODS



Globe Poultry Food

Our Regular Mixture for grown fowls, of Wheat, Corn, Kafir-corn, Buckwheat, Sunflower, etc. A balanced ration suitable for all seasons.



Sun Chick Starter

A specially cleaned and graded Fancy Mixture of Cracked Wheat, Corn, Kafir-corn, Millets, Oatmeal, etc.—adapted to requirements of the Baby Chick up to 20 days old.



Queen Poultry Mash

For Winter Feeding

A carefully selected mixture of ground feed, manufactured from the choicest sound, sweet and wholesome grain, contains ingredients in proper proportions essential to the health and growth of the fowl and especially for production of eggs.



Crescent Chick Food

Our Standard Mixture of Cracked Wheat, Corn, Kafir-corn, Millets, Hulled Oats, etc.—a complete food for chicks 3 to 8 weeks old.

SAMPLES AND PRICES ON APPLICATION

THE ALBERT DICKINSON CO.

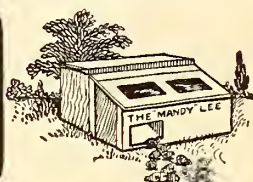
MINNEAPOLIS

Seed Merchants

CHICAGO



LEE'S



GERMOZONE

Keeps little chicks healthy, frisky, full of life and vigor. A little Germozone in the drinking water two or three times a week will keep them free from all bowel troubles. It's a sure cure for Bowel Complaint, Cholera, Roup, Throat Inflammation, Canker, Frosted Combs, etc. **50c per pkg., postpaid.**

"The Germozone you sent me arrived O. K. and acted like magic on my sick chickens." R. Easterbrook, Malta, Montana.

"I have used Germozone for a long time and have not had a single sick chicken since I commenced using it." F. C. Kendrick, Dansville, Mich.

Our 1905 Calendar and Egg Record—a valuable book full of poultry helps and hints, useful every day in the year—sent free. Write for one today.

GEO. H. LEE CO., BOX 91, OMAHA, NEBRASKA

LICE KILLER

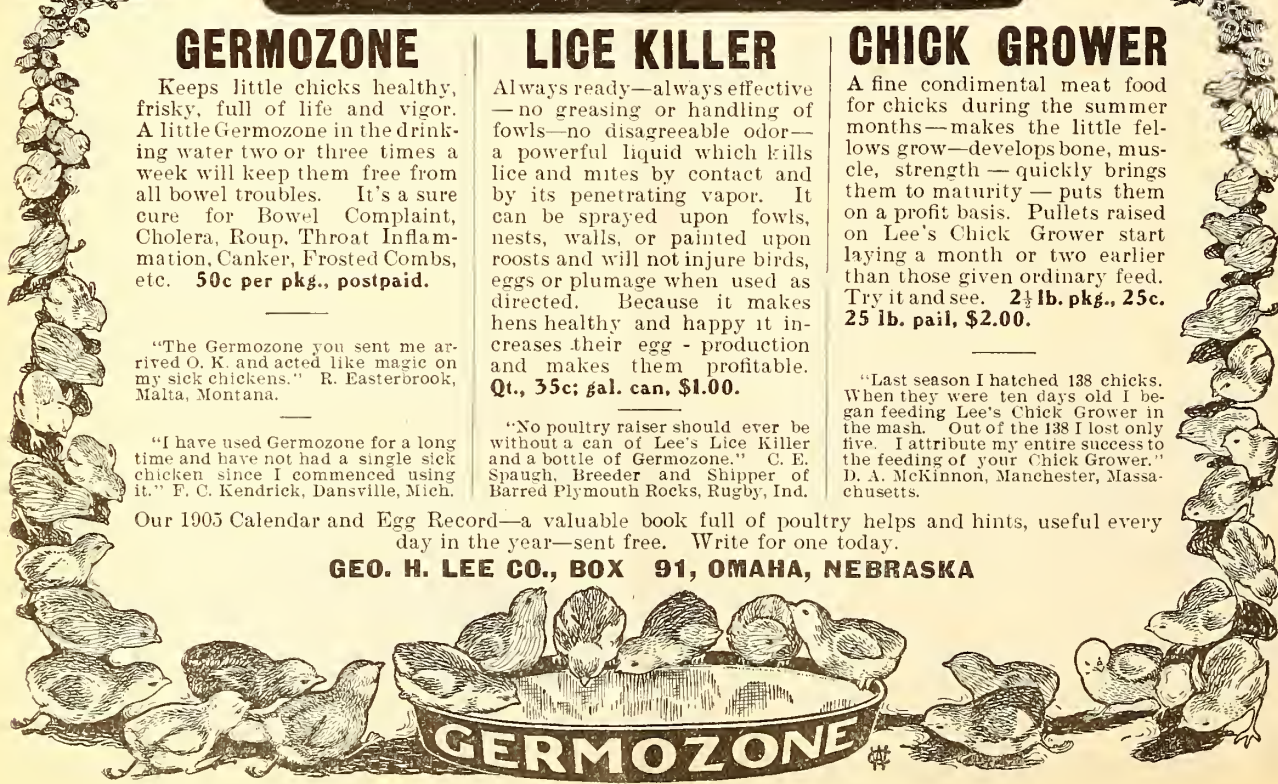
Always ready—always effective—no greasing or handling of fowls—no disagreeable odor—a powerful liquid which kills lice and mites by contact and by its penetrating vapor. It can be sprayed upon fowls, nests, walls, or painted upon roosts and will not injure birds, eggs or plumage when used as directed. Because it makes hens healthy and happy it increases their egg-production and makes them profitable. **Qt., 35c; gal. can, \$1.00.**

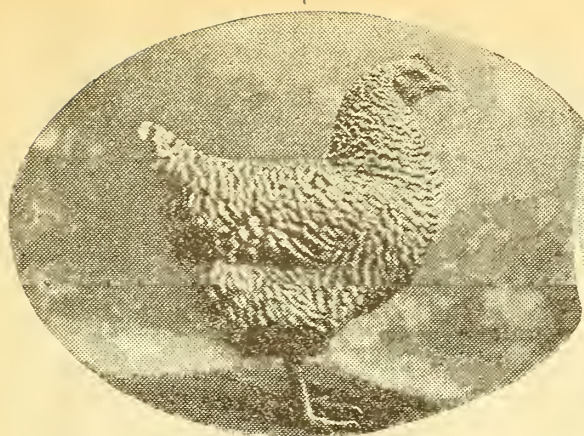
"No poultry raiser should ever be without a can of Lee's Lice Killer and a bottle of Germozone." C. E. Spangh, Breeder and Shipper of Barred Plymouth Rocks, Rugby, Ind.

CHICK GROWER

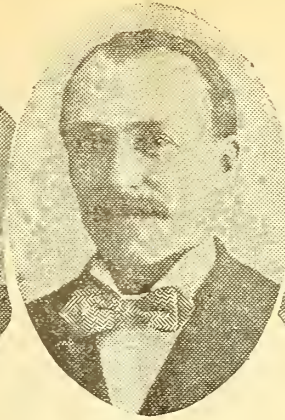
A fine condimental meat food for chicks during the summer months—makes the little fellows grow—develops bone, muscle, strength—quickly brings them to maturity—puts them on a profit basis. Pullets raised on Lee's Chick Grower start laying a month or two earlier than those given ordinary feed. Try it and see. **2½ lb. pkg., 25c. 25 lb. pail, \$2.00.**

"Last season I hatched 138 chicks. When they were ten days old I began feeding Lee's Chick Grower in the mash. Out of the 138 I lost only five. I attribute my entire success to the feeding of your Chick Grower." D. A. McKinnon, Manchester, Massachusetts.

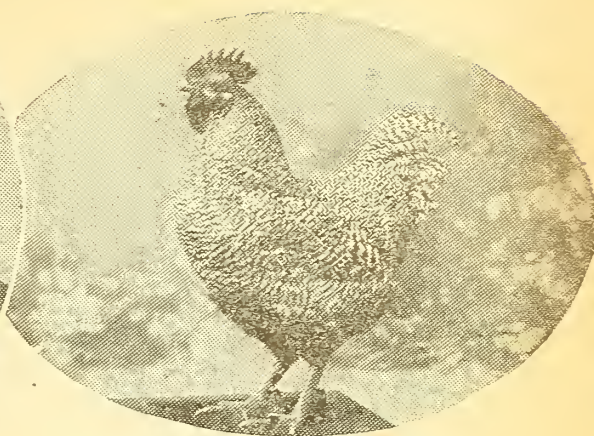




Score 92½, winner of four 1sts.



B. G. Westfall, Oak Grove, Mich., and his Barred Plymouth Rocks.



Score 93. 93, 93½, winner of three 1sts.

STARTING WITH EGGS.

Good readers, no doubt you are one of the many who has for years been waiting and wanting to start with thoroughbred poultry, but have put this good work off from time to time from some trifling cause.

Now, it don't take the earth in value to start, and start right into it, and now a word to those who contemplate starting this spring by buying eggs.

Let us say from our long years of experience, and much of it very costly at that, as we had no one of experience to inform or explain the ups and downs to us, but don't wait too late, as the time is now at hand for hatching, and we have many hundreds of beautiful little fellows off and doing fine. Study out the breed you wish to try and that best suits your taste, also one of the most popular varieties as well as most profitable one, and then send to some reliable breeder whose strain is well known for his or her catalogue or circular fully explaining their matings, with prices on eggs as well as show winnings, then study all over closely and go for the best every time and leave cheap, shoddy birds or eggs alone, as the best is none too good for the beginner.

Go to the breeder whom you can rely upon and that can offer you good quality, then buy of him.

When a fancier uses particular care in selecting and mating up his breeding yards, also mates them for very best results, and succeeds year after year and has at all times quality to offer, one can hardly have a failure in sending orders to such breeders, for if he will send to such for the best eggs he will in most every instance get full value and satisfaction.

Of course, one should not expect too much of a good thing; in fact, if a 75

**A quick poultry fattener
Pratts Poultry Food.**

Made by Pratt Food Co., Phila. Over 30 years old.

per cent hatch is received, he should consider himself extraordinarily lucky, and a 60 per cent hatch very lucky. Do not expect always a 100 per cent hatch, as you surely are aware that very few breeders obtain such hatches themselves at home, although every breeder's ambition is to get all the fertility in his eggs possible, and we ourselves have been breeding our Gem Strain S. C. White Leghorns for heaviest egg production and Standard requirements with rigid and personal care for over twelve years, and have been exceedingly successful; also, we have had from many customers, even in Canada and Mexico, reports of 100 per cent hatches, and have time and again hatches of 100 per cent ourselves, but we never figure on such high fertility, and the customer should not figure on such, as eggs are roughly handled by the express people. Many can save a few eggs if they will use a little bay-horse sense and care, by letting their eggs on arrival rest or settle for twelve to twenty-four hours before placing under hen or in incubator. Then if all is right you will surely get a satisfactory hatch, as eggs for hatching, my dear reader, has started many a man and woman into this profitable and pleasing business, and will continue to do so until this world is no more. Yours for better poultry and more of it,

WILBER BROS.

Petros, Tenn.

FOR ONE WHO HAS NOT THE TIME TO CHANGE FEED OR FEED FROM A SELF FEEDER.

Take 10 bushels of cracked corn and run it through a windmill to take out all fine meal (which can be used for the mash or cow feed), twelve bushels of good wheat, four bushels of oats, one bushel of sunflower seed, same of millet and buckwheat and fifty pounds of beef scrap; dump it all together on the floor and mix well with a shovel; feed and make the hens laugh.

EGGS IN COLD WEATHER.

Being interested in Langshans we are always glad to hear of their many good qualities. This winter has been the coldest known in this section but during January and February we had plenty of eggs. On the coldest day this winter forty-five hens and pullets laid thirty eggs. In a letter from a friend just received he says my ten Langshans laid an average of nineteen eggs during the very cold month of February. We have ninety black beauties out and on the 10th (Mar.) they are two weeks old. All are healthy and are making rapid growth.

CHAS. G. MILLER & SON,

Boonville, Mo.

GIVE NAME AND ADDRESS PLAINLY.

Purchasers are warned time and again to give name and address plainly, when writing inquiries or purchasing stock of eggs, and giving shipping directions is full. Yet how often letters are received by breeders and shippers with the name and address carelessly written, in fact more so than the rest of the letter. In some cases it takes an expert to interpret it, and few comparatively give any shipping directions at all. In such cases purchasers should not blame the shipper for delay or even loss.

Pearl, Ill.

MRS. A. J. COHEN.

A SHETLAND PONY CENTER.

Washington, Tazewell county, Ill., is quite a center for the rearing of Shetland ponies. From 100 to 150 are shipped from there each year to various places all over the United States. President Diaz of Mexico recently purchased one of these ponies and it was shipped by express from Washington to Mexico City, for the use of the grandchild of the president. Mr. George A. Heyl makes a specialty of Shetlands, and has forty acres of land devoted to their rearing and care. He also keeps fine fowls and hogs, but next to his ponies come his sale of eggs for hatching. He receives a high price for his eggs and his sales since March 1st of this year amounted to \$8,000. —Ex.

EGGS FOR HATCHING

FROM THE NOTED ELGIN KING STRAIN OF

Single Comb White Leghorns

Winners again at the Elgin Show, December, 1904. Won 1st cockerel, scored 95; 1st pullet, 95½; 1st hen, 95; 1st pen, 190 by Chas. McClave Cockerels, pullets and yearling hens for sale. Write for catalogue and mention A. P. J.

W. L. FERN

ELGIN KING POULTRY PLANT

Elgin, Illinois

Sores on horses, quick as magic Pratts Vet. Healing Ointment.

Made by Pratt Food Co., Phila. Over 30 years old.



ROSE COMB BROWN LEGHORNS.
Alger's utility exhibition strain; show and egg record unequalled. 1st, 2d, 3d at World's Fair; 1st cockerel and pullet at Chicago. Safe arrival and 90 per cent fertility guaranteed. Eggs \$1 per 15, \$5 per 100
WARD MALLERY
Omro, Wisconsin



FARNSWORTH BARRED ROCKS.
Vigorous, farm-raised stock of Gardner and Bradley Bros. strains. Winners at Batavia, Corfu, Rochester and Syracuse shows. Eggs for the balance of the season from my very best matings at \$1 a sitting.
A. A. FARNSWORTH
Elba, N. Y.

Payne's Alfalfa Meal

makes hens lay and chicks grow. Send for sample and book, "Poultry Pointers," free.
ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

Silver Wyandottes

Two big Chicago shows—eight first prizes. Stock to spare at right prices. Eggs for hatching. Write for particulars.

W. H. MILLARD,

Genoa, Ill.



WILSON'S
New Green Bone, Shell and Vegetable Cutter for the Poultryman.
Also Bone Mills for making phosphate and fertilizer at small cost for the farmer, from 1 to 40 horse-power. Farm Feed Mills grind fine, fast and easy. Send for circulars.
WILSON BROS., Sole Mfgs., Easton, Pa.

JOIN
Pratts

Correspondence School of Poultry Keeping
A 3 months' course for \$2.00. Regular price \$35.00. Simply send \$2.00 and a coupon taken from a package of Pratt's Food, and the Lectures will be promptly mailed each week. For further particulars of the best and most complete Course ever offered, write
Pratt Food Co., 156 Walnut St., Phila.



HONEY MONEY

We teach you how to set bees to work for your enjoyment and profit. Bee-keeping is easily learned. The profits are good. The work fascinating. You can have all the honey you can eat and sell a lot. Only follow the instructions in

GLEANINGS IN BEE CULTURE

a semi-monthly paper—an authority on bee-raising. It answers subscribers' questions. It tells how to protect bees from enemies. It warns you against mistakes and explains all the "ins and outs" of the business. Write your name and address on a postal card. We'll send you a free copy of **Gleanings** (6 months' trial 25c) and a free booklet that you'll read through as soon as you get it. It's mighty interesting. Write now. Address

A. I. ROOT COMPANY,
Publishers,
Medina, Ohio.

BUGGY BARGAINS.

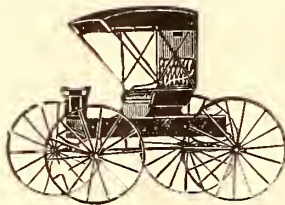
With the advent of pleasant weather many of our readers are considering the purchase of a new vehicle of some sort, perhaps a driving wagon, a buggy, a phaeton or a surry. We are glad to be able to direct all those interested to the ads of Elkhart Carriage & Harness Co., which appear regularly in our advertising columns. In looking over their catalogue we are so impressed with the great variety of their



line and their very moderate prices that we are inclined to style their goods as Buggy Bargains.

We show here two of their popular styles which we hope will incline the interested reader to write for their catalogue, which shows over 200 styles of vehicles and 65 styles of harness.

Now a word about the company. This house was established almost one-third of a century ago by the father of Messrs. W. B. and G. B. Pratt, who are now conducting the business. They are now the



oldest as well as the largest factory in the world making and selling vehicles direct to the consumer.

We have known the concern ourselves for many years and have taken pleasure in their growth and success, because we have every reason to believe their business is founded upon honorable principles and generous treatment of their customers. It is no disparagement of others to say that we believe the Elkhart Company are trying to make the very best vehicles they can turn out. We can and do very heartily endorse and commend them to our readers. Write at once for their catalogue, which they will mail free. Address Elkhart Carriage & Harness Mfg. Co., Elkhart, Ind.

WHAT UNCLE CHARLEY SAYS ABOUT CHICKENS.

Don't feed young chicks on a dirty floor covered with dust and trash; many brooder chicks are lost in this way. Don't expect chicks to grow and live on a wet mash—they won't do it. Keep a little fine grit and bone in a separate bin. Scatter a little straw and pure Alfalfa Meal on the floor and throw the grain on this. Uncle Charley, seventy years a poultryman, says chickens should scratch for a living, and he gives a lot of valuable advice to chicken raisers in a book called "Poultry Pointers," which will be sent free to all our readers who will write for it and mention this paper. The book also contains an interesting article on Payne's Alfalfa Meal, a new product made from pure green kiln-dried Alfalfa. Every poultryman will be benefited by reading it. Write today for a free copy of "Poultry Pointers." Address Alfalfa Meal Co., Omaha, Nebraska, and say you saw this notice in AMERICAN POULTRY JOURNAL.

THE NEW ZEALAND SHIPMENT OF J. C. FISHEL & SON OF HOPE, IND.

J. C. Fishel & Son of Hope, Ind., the White Wyandotte breeders, recently made a shipment of their birds to Petone, Wellington, New Zealand, and the customer reports that "The birds arrived in fine condition, and I am well pleased. I showed them at the last fall show, took first and special for best birds. You may know that I am well pleased. Note the clipping out of one of our papers: "Mr. V. H. B. of Petone, Wellington, New Zealand, received by last Frisco Mail steamer a very fine pair of White Wyandottes from the poultry yards of J. C. Fishel & Son, Hope, Ind., U. S. A., who claim to breed the best Wyandottes in the world. This assertion is not without reasonable grounds, as their birds were chosen to represent the White Wyandottes at the Model Poultry Farm, World's Fair, St. Louis, Mo. Mr. B. reports that Mr. Fishel & Son have treated him well and that he is well satisfied. The cockerel is a beauty, is snow white and every inch a Wyandotte. The birds are to be shown at the Palmerston North Spring Show."

The above is a fine testimonial to the value of the birds raised by J. C. Fishel & Son and cannot help but be a strong argument in proof of the claims that the gentlemen make for quality of their stock. They have had a great stock and egg sale this season and are still prepared to do a rushing business the balance of the season. They will be glad to send their catalogue to anyone mentioning AMERICAN POULTRY JOURNAL.

It gives us pleasure to call our readers' attention to the following letter received from the Universal Exposition, St. Louis, Missouri:

To Prairie State Incubator Co.,

Homer City, Pa.

Pursuant to the rules and regulations governing the system of awards, formal public announcement is hereby made that a gold medal has finally been awarded you on your exhibit of incubators and brooders in group No. 82. A medal and diploma for this award will be issued by the exposition company as soon as ready for delivery.

(Signed) DAVID R. FRANCIS,
President of Superior Jury.

By this it will be seen that the Prairie State Incubator Company of Homer City, Pennsylvania, have added one more medal to their already long string of 326 first premiums received at various expositions and fairs throughout the country.

Their catalogue also records hundreds of original testimonials from users of their machines, from the extensive poultryman as well as the small beginner, and they all report good results. Their catalogue is well worth sending for, as this is one of the old, practical and reliable institutions.

Brent & Eddy, Oconomowoc, Wis., report that they have four pens of Cornish Indians better than any they have ever bred from and should produce some grand young stock. Pen 1 is composed of seven large and grandly laced exhibition hens, headed by 1st prize cockerel, St. Louis Exposition. This cockerel, trifle small early in season, but is rounding out into a splendid male, nearest perfect in color and shape of any we have ever owned.

Pen 2, composed of nine pullets, the pick of our yards; this pen headed by cock bird Jumbo, IV.; won 1st as cockerel, Chicago, 1904. Weight 10½ pounds. Grand in size, shape and color.

Pen 3, ten pullets, large and vigorous breeding birds, headed by cock bird, very stocky in build and of good color.

Pen 4, nine good hens, mated with 3rd prize cockerel, Chicago, 1905. Also four pens of grand birds in White Wyandottes. No stock for sale in either variety at present writing.

We are in receipt of a catalogue and mating list from C. S. Byers, Buff Orpington breeder, of Hazelrigg, Ind. It is giving this catalogue full justice to say no better piece of work was ever put out by a poultry breeder. It is certainly a work of art. This is not all of its merits, for it contains illustrations of Mr. Byers' birds, scenes from his yards and splendid information to Orpington breeders; a full description of his winnings, his breeding yards and a complete mating list, and concludes with some splendid unsolicited testimonials from his customers. Every Orpington breeder should send for a copy of this catalogue.

John A. Barnum, of Coldwater, Mich., breeds Barred Plymouth Rocks exclusively. At the State Show, Detroit, Jan. 3-6, 1905, he won 1st cockerel, 1st hen and 1st pen, winning three 1sts out of three entries. He also won 1st cockerel on one entry at Hastings, Mich., Feb. 15-18, 1905, and this was not his 1st Detroit cockerel. He has all these winners in his breeding pens, and he grows all his own prize winners. During the past year and a half he has won seven 1sts out of eight competed for, besides one 2nd, one 3rd, tying for another 2nd and 3rd, and special for best cockerel and best pullet. He is right now in the busy egg season and is prepared to sell eggs in any quantity, and with his record back of him surely his purchasers can produce prize winners.

A NEW POULTRY BOOK.

Especially Written and Designed for the
Beginners—Sent on Approval.

The book treats at length on the great profits in poultry culture, citing many cases where splendid incomes have been made from this fascinating business. It is a well established fact that there is big money in poultry culture. There are thousands of men and women who are earning princely incomes from it, while there are many more thousands who are making a snug little income every year conducting it as a side issue. To make from \$100 to \$1,000 clear profit every year, just in the spare moments, is no small matter with most people. And yet there are thousands who are doing this very thing raising poultry, and this same thing can easily be accomplished by anybody who will conduct it in an intelligent manner. It is just for this latter class that this book has been designed and by following its simple instructions success will be sure and the profits large.

SENT ON APPROVAL.

We want every beginner to read his book and we are willing to send it free on ten days' approval to every man, woman or boy interested who will take the trouble to write to us for it. In order to assist our readers to get this book on approval we print the following coupon, and advise our novice friends to fill it out, cut off, and send it today: Congress Park Poultry Yards, Congress Park, Ill.

Enclosed find 4c in stamps for which please send me on approval, your new book, "Successful Poultry Culture for Pleasure and Profit." If I want the book I agree to send you 50c for it. If I don't want it, I agree to return it to you within 10 days.

Name
Town
State

PRIZES GIVEN AWAY.

Geo. A. Heyl of Washington, Ill., is giving prizes as follows:

For the largest order in cash received for eggs during the season of 1905, which closes August 15, I will give a pen of four pullets and a cockerel of any variety I raise. This pen will be of my very best birds mated up not akin. In addition to the above I will give a credit of \$10 to apply on any order for poultry received by January 15, 1906.

For second largest order I will give a trio of M. B. or W. H. turkeys from my prize winners.

For the third largest order I will give a trio of Pekin ducks.

A prize with every order amounting to \$15 or over, a choice cockerel of 1905 hatch of any variety you may choose, will be given. To every \$5 to \$15 order I will give a year's subscription to a good poultry paper.

A FIRM BELIEVER.

If George Heyl of Washington, Ill., ever had his doubts as to the efficacy of printer's ink, they would have been dispelled this week when he received orders from Australia and Africa.

Chapman & McQuillan of West Hartford, Conn., are sending out a very nice circular regarding their matings. They breed Barred and White Plymouth Rocks and the specimens illustrated in their circular show that they have good stuff to sell. They were winners last year at Herald Square, New York, and also at Hartford, Conn., and other important shows.

One of the interesting catalogues that has come to us recently is that of the Dearborn Poultry Yards. S. D. Lapham, proprietor, Dearborn, Mich. Buff Plymouth Rocks are raised here exclusively and the fact that they took fifth prize pen at St. Louis demonstrates the quality of stock that they raise. Mr. Lapham writes that he is enlarging his plant and putting in a big steam heating system and improving his outfit in every way. Mr. Lapham will be glad to send his catalogue to any one interested in poultry, in which are illustrated many of his prize winners at recent shows.

Harry T. Reed, the Light Brahma breeder of Camp Point, Ill., made winnings as follows: Macomb, Ill., Dec. 5-8, 1904, Chas. McClave judge, 1st cock, 93; 2nd cockerel, 92½; 2nd pullet, 93½; 2nd pen, 185; 3rd hen, 91¾; Jacksonville, Ill., Dec. 13-17, 1904, D. T. Heimlich judge, 1st cock, 94½; 1st pullet, 92½; 3rd pullet, 92; 2nd pen, 185. There is no question regarding the quality of Mr. Reed's Light Brahma stock, and AMERICAN POULTRY JOURNAL buyers will make no mistake in buying stock or eggs from him. He will be glad to send any one his last circular containing his matings and prices of stock and eggs.

Geo. M. Kline, Box B, Downers Grove, Ill., says you don't need a rabbit's foot or four-leaf clover to hatch prize winners from his Barred Rock and White Wyandotte eggs. They represent twelve years of careful breeding and he has paid great attention to this year's matings. Buyers will be well satisfied with results and the prices, which are low.

B. E. Johnson of Kirkwood, Mo., is making a sacrifice on his Barred Rocks and for the next thirty days will offer 100 extra fine breeders at one-quarter their value.

Keep the bone cutter well oiled.

Keep the green bone cutter clean.

Always feed before you water the fowls.

Cabbage contains nitrogen in a bulky form.

During cold weather the mash should be fed warm.

Be careful not to feed spoiled or musty food.

Green bone should be fed fresh and untainted.

A quart of skim milk weighs about 2½ pounds.

No danger of having too great a variety in the bill of fare.

The cheapest and best form of meat for poultry is green cut bone.

Nothing better for mixing the morning mash than warmed skim milk—if you have it.

Feed the evening grain an hour before dusk, so that the fowls will exercise well for it.

A necessity in every stable
Pratts Veterinary Colic Cure.
Made by Pratt Food Co., Phila. Over 30 years old.

Waterfowl **ALLYN'S** ..Indians..

win Silver Cup at Southeastern Wisconsin Poultry Show. Cornish Indian pen headed by "Triumph," score 94½ by Russell. White Indian pen headed by 3d cockerel at St. Louis World's Fair. EGGS from Indian Runner, Cayuga, Ronen, Muscovy, Blue Swedish and Wild Mallard Ducks. White Chinese Geese and White Holland Turkeys. Circular free for asking. 191 acres devoted to poultry and waterfowl.

ALLYN POULTRY FARM

Overfeeding causes the fowls to get sluggish. Green food keeps them in health.

It is claimed that a little brick dust added to the drinking water is an excellent tonic for fowls off their feed.

The number of pounds of food elements we buy in a ton of linseed meal are 364.4 muscle makers; 65.8 fat forming; 142.0 pure fat.

Forcing leads to fat production, and fat leads to laziness. The most economical way to force a hen to lay is to force her to scratch for her food.

CLASSIFIED ADS.

[CONTINUED]

STEVENS' STAY WHITE PLYMOUTH ROCKS—Beautiful and profitable; line bred 13 years. Eggs half price this month. My motto, satisfaction. W. S. Stevens, Mechanicstown, Ohio. 5-1

BEAUTIFUL ANCONAS, grand in standard and utility qualities. Splendid layers, winter and summer. Best winter layers, big white eggs. Catalogue free. O. S. Evans, Roxbury, Ohio. 5-3

EGGS—From White Wyandottes, White and Barred Rocks; \$2 per 15. D. W. Poundstone, Uniontown, Pa. R. F. D. 3. 5-2

FOR SALE—Single Comb Brown Leghorns, bred to produce winners. Eggs guaranteed at \$1 per 15. Quimby Bros., Curtis, N. Y. 5-1

SILVER LACED WYANDOTTES — Pens headed by males scoring to 94, with no female scoring less than 92. Eggs, \$1 per 15; \$5 per 100. Pekin duck eggs, \$1 per 11. Testimonials of pleased customers on request. C. F. Schroeber, St. Peter, Ill. 5-1

ENGLISH RED CAPS—Fisbel's White Rocks; 15 eggs, \$1; 50 for \$3. Clarence W. Waltman, Ladsburg, Pa. 5-1

ROSE COME BUFF ORPINGTONS, Bailey and Beatty direct. Eggs from choice matings, \$2 for 15. W. D. Ganiard Delta, Ohio. 5-1

ROWLAND'S BARRED AND WHITE PLYMOUTH ROCKS and White Wyandottes—Eggs, \$1 per 15; \$3 per 50; \$5 per 100. From fine, big, healthy, farm-raised stock. Lewis D. Rowland, Dayton, N. J. 5-3

WHITE PLYMOUTH ROCKS—Fisbel strain. Eggs, 15, \$1; 50, \$2.50; 100, \$5. Chas. A. Stockbridge, Fort Wayne, Ind. 5-3

SINGLE COMB BROWN LEGHORNS EXCLUSIVELY—Eggs, \$1. 15; \$2.50 50; \$5, 100. Dave Glattfeld, Peoria, Ill. Rural 34. 5-3

AMERICA'S Best Single Comb Buff Leghorns, Arnold's and Lamon's strains. Eggs, \$1 per setting. Stock for sale. Buff Leghorn Poultry Yards, Annville, Pa. 5-3

MAMMOTH BRONZE TURKEYS, Imperial Pekin Ducks; fine quality, large size. Write R. H. Pennington & Sons, R. D. 4, Plainfield, Ill. 5-3

BARRED ROCKS—Pure "Ringlets." Scored 94-90. Eggs, \$1. 15; \$5 100. Horace Barnett, Clinton, Ill. 5-1

ROSE COMB WHITE LEGHORNS—The great egg machines and winter layers. No frosted combs. Eggs, \$1 per setting. O. G. Luehrs, Marathon, Ia. 5-3

Standard Poultry Food Greatest stimulating tonic known, inducing health, vigor, eggs and profit. Sold by dealers. If not there send for special trial offer. Standard Stock Food Co., Howard St., Omaha, Neb.

PAYNE'S ALFALMO POULTRY FEED
The best that money can buy. Send for sample and book, "Poultry Pointers," free.
ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

HOW TO SLEEP WELL AT NIGHT.

There are a great many discouraging things connected with raising poultry. It is discouraging to go out into the fowl house in the morning and find one of your best fowls dead from no assignable cause. It puts a crimp in a man's enthusiasm to find that just before show time two of your male birds have somehow got at each other, and, though they have enjoyed the scrimmage immensely, you are unable to partake of the general joy inasmuch as they are not fit to be seen in the show room until such time as the show is all over. But of course it is your own fault and you should have been more careful. It is likewise calculated to cast a spirit of gloom over the fancier when in saluting a tray full of eggs, his hand slips, and he makes an omelette on the floor. If such things happen at all, they have a way of happening about the 20th day of incubation. Bad language, while perhaps pardonable in such cases, does not set Humpty-Dumpty back again, as the old song has it. Likewise it is doleful to notice that your very extra choice eggs, set under your most approved motherly hen, are slowly but inexorably disappearing. You feel your respect for motherly old hens rapidly falling, and, a prey to the worst suspicions, you finally and irrevocably decide that she must die. No egg eaters, however sedate and of however fine a past record, shall be allowed about the place. You hate to do it, but duty calls, and off goes the old gal's head. Later you discover that it was a certain little canine pet who had been stealing and eating Biddy's eggs, and not Biddy at all. That very night Fido meets a sudden and inglorious death; the children lament his absence and you perjure yourself; but so long as Fido reposes in that hole in the ground, next to the old oak tree, that unpleasant episode of suspected egg-eating will never occur again.

But all these various accidents, casualties and contretemps of the poultry yard are as summer sunshine compared with the experience that under the cover of darkness some thief has entered and stolen from your hen house your prize chickens. There is a certain meanness, smallness and contemptibility connected with robbing a hen roost that attaches to no other form of nocturnal marauding. A man may steal a dog, and not suffer especially in public opinion. It takes a good man to steal a horse, and, especially in the West, there is a certain element of danger therewith, that lends fascination to the theft. To enter a dwelling house and carry off plate, clothing and jewelry is recognized as a feat and an art. The bank cracksmen must be a man of unusual nerve and skill, while he who steals a million dollars is looked up to and respected by a large number of otherwise correctly moral citizens. But to steal chickens—foul!

Fortunately the chicken thief is a man of mediocre mental attainments and limited personal courage. He is essentially a sneak thief. He works under cover of darkness and in perfect silence. Consequently the proper method to circumvent the chicken thief is to reverse these conditions under which he works—that is to create a racket and to throw a flood of light on his operations. Of course a man might sit up all night with a dark lantern and a tin pan for instance and beat the pan and throw the bull's eye ray on him whenever operation

began. But this for obvious reasons is not recommended. A better way is to employ electricity. A small electric light and a clamorous bell will do the business if properly arranged. The moment Mr. Thief opens a door or a window or steps on a plank, bang! goes the bell, and flash! goes the light. The entire outlay need not cost over two dollars, if a man has any handiness and ingenuity.

You can buy a small alarm bell for about a quarter, and you can buy a two-candle-power electric light with stand for about 40 cents. You need about four or five batteries (in power). This may be one dry battery or several dry batteries or the right number of wet batteries. Wet batteries will renew themselves when run down, and can be renewed with fresh sal-ammoniac as needed. Dry batteries have the advantage of not freezing, but the disadvantage of giving out all at once when exhausted, without warning. If one must use dry batteries, it is better to use several small batteries in series and occasionally test each one with a bell connection to see if still alive. The dead ones should be replaced at once. If you can keep your batteries in your cellar, it is better to use wet batteries. If your fowl houses are some distance from your house, use dry batteries, frequently testing them. It is best to have two bells on the circuit: one in the hen house and one in the dwelling house. But of the two that in the hen house is the most important, as the thief should hear the bell ring himself the minute he begins operations. If your fowl house is damp, you should have an extra bell to "spell off" the first bell, as rust will accumulate on the damp bell and interfere with its working. Take the damp bell from the wall and put on the fresh bell and dry out the other and spray it with some sort of oil to keep out the dampness, then change off again.

Be very careful in wiring up. Make your connections firmly and carefully. Get a roll of "friction tape," which is the same as the tape used in binding a bicycle tire for temporary repair. Whenever you bind together two wires, wrap the joint carefully with this tape. Don't use one staple for the two wires, as you are liable to have a short circuit from rust, friction or moisture where the iron of the staple comes in contact and wears off the insulating wrapper of your copper wire. Don't let your wires touch an iron or metal pipe that has connection with the ground or you are liable to lose your electricity slowly and surely. Be very careful how you arrange your switches, taking care that all wires are properly insulated and wrapped. The great trouble with amateur wiring is the danger of short circuits. By short circuits are meant connections that are not intended. For instance, if you will look at an ordinary battery, you will see what is called the carbon and the zinc points. The electricity will pass from one point to the other by a copper wire, whether short or reasonably long. If you had an insulated wire 50 feet long, the current would traverse that wire passing from the carbon over the 50 feet and returning to the zinc. When a short circuit occurs, the electricity does not traverse the whole of the desired circuit, but finds a short cross cut, owing to imperfect wiring, and returns to the battery without doing the work desired. This is in the nature of a permanent leak, and the battery speedily runs down and is exhausted.

From personal experience I have found that a good way to wire up a hen house

is as follows: Supposing that your batteries are in one end of the house up out of reach of the hens in one corner, run a wire the whole length of the house and back, up close to the eaves. At any place where electrical supplies are sold you can get burglar alarms at a few cents each, consisting of a brass cylinder in a sleeve, so arranged that when the sleeve springs out, a connection is made, but when the sleeve is in, no connection is made. Set these sleeves in the side of the door or window, so that the moment the door or window is opened the sleeve springs out and makes the connection. These sleeves are set in the wood out of sight. Properly set up, the door or window cannot be opened without making a connection. Don't cut your long wire, but scrape off a little of the insulating cover and wrap the wire from the sleeves around your long wire, binding the connection carefully with binding friction tape. Do this with every door and every window that you desire to be connected up. Do the same with the little electric incandescent lamp, which preferably is in the ceiling or up out of the way.

Be careful that each wire is wrapped and bound where connections are made. Then cover the wires so they cannot be seen. Tar paper or laths or almost anything will do, provided it is not put on in a way to invite attention. Put in your bell somewhere between your batteries and your first connected door or window. Similarly with your electric light, so that whatever door or window is opened, the bell rings and the light flashes instantly. Have a switch so that in the day time you can throw the apparatus out of connection when not needed. But don't forget to turn on your switch at night! If you have your batteries in your cellar, you can arrange in your dwelling house so that you can manipulate the apparatus from the house. Or you can so arrange matters that if your suspicions are aroused at night, you can turn on the light in your fowl house without leaving your own bed room.

It is also an excellent device to buy more wire than you need and to string up a lot of dummy wires conspicuously about the yard and have a rusty bell or so set up where a thief who should happen to be surveying the lay of the land preparatory to some nocturnal descent, might take warning. Cutting dummy wires would serve to amuse him and would do no harm to the apparatus.

I repeat that the main thing is to do your wiring well at first, to test your bell occasionally and your light and your batteries. The original outlay need not be more than two or three dollars and the cost of maintenance should be not more than 50 cents per year. It is worth the money. E. L. C. MORSE.

Buff Cochin Bantam Cockerels \$1 each.

I have a few medium light cockerels that will be disposed of at this price. Also have some choice exhibition breeding cockerels at \$2 each. If you want something good for this season order one of these at once.

JAS. W. BELL, Congress Park, Ill.

Classified Ads.

Under this heading ads will be inserted for five cents per word each month for less than three months, **three cents per word for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. Commencing with the January, 1941 issue, all ads will be inserted under **classified headings.** No ads accepted at less than an average of 50 cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Copy for classified ads should reach us by 19th of month preceding date of issue. Write your copy plainly, as upon this the correctness of your ads largely depends. AMERICAN POULTRY JOURNAL is furnished every advertiser during the time his ad is running. **Forty thousand per month.** We guarantee an average monthly circulation of 40,000 copies of AMERICAN POULTRY JOURNAL. When placing your ad remember that advertisers of Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted.

On writing any of these advertisers mention A. P. J. It helps you and doesn't hurt us.

All Copy for Classified Ads Must Reach us by the 19th of the Month.

PLYMOUTH ROCKS.

WHITE PLYMOUTH ROCKS exclusively. Roots strain direct. Eggs from high scoring pens. \$2.50 per 15, \$4.50 per 30, \$6 per 45. Satisfaction guaranteed. Archie Davis, Fremont, Ill., R. R. No. 1. 4-3

BUFF ROCKS exclusively. Burdick strain. Eggs, \$1 and \$1.50 per 15. Satisfaction guaranteed. Lewis Price, LaGrange, Ind. 4-3

BARGAINS in Barred Plymouth Rock pullets. Three hundred of them to sell this month. \$2 each. Write for prices on large lots. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

BARRED ROCKS. Hawkins, Thompson and Bradley blood. Eggs, \$1 and \$2; \$5 per hundred. Stock for sale. Satisfaction guaranteed. Watson Brodhead, Franklin, Pa. 4-3

BUFF ROCKS—Winners State Fair and Indianapolis Show. Settings, \$1. Wm. A. Stoltz, Route 19, Indianapolis, Ind. 4-3

BARRED ROCK EGGS. \$1 per setting. Mrs. Ida Laverty, Promise City, Ia. 4-2

BARRED PLYMOUTH ROCKS—Ringlet Strain; also Black Minorcas and Brown Leghorns; eggs, \$1 per 15. W. L. Dudley, Oranda, Va. 4-3

PURE WHITE ROCK EGGS. \$5 per hundred. \$3 per fifty, \$1 per fifteen. Anna Sharpless, Route 6, West Chester, Pa. 4-3

EXPRESS PREPAID ON BARRED ROCK EGGS. Thompson's Ringlet strain; are grand in shape and harrings. Fair hatch guaranteed. Eggs from choice pens; \$1.50 per 15; \$2.75 per 30. Catalogue free. Will H. Schadt, Goshen, Ind. 2-4

BUFF ROCKS—We won 5th universal, 5th club special and 2nd Missouri on chl at World's Fair. Have a few chls for sale scoring 90% to 92; trios, \$5 to \$10; eggs, \$2 per 15, from birds scoring 92 to 93% (judged by Heimlich). Hinkle & Jenkins, Oakridge, Mo. 2-4

WHITE PLYMOUTH ROCKS EXCLUSIVELY—My stock is of the whitest and best blood that runs in any White Rocks. Write for description of stock before you buy elsewhere. Eggs from prize winning stock for sale reasonable. Satisfaction and fertile eggs guaranteed. F. P. Klotz, Neff's, Pa. 2-4

BARGAINS—Some choice breeding stock in Barred and White Plymouth Rocks. Trios, \$7; pens, \$10. Order direct from this ad and save time and trouble. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

THOROUGHbred BARRED PLYMOUTH ROCKS exclusively. Eggs for hatching—Exhibition quality. \$2 per setting; incubator eggs, \$4 per 100. Cockerels, \$2 each. Send me your orders. I will treat you right. A. Richter, Harvey, Cook Co., Ill. 4-3

BARRED PLYMOUTH ROCKS. Five pens cockerel and pullet matings. Eggs for hatching. Write R. H. Pennington & Sons, Plainfield, Ill., Route 4. 4-3

BEFORE INVESTING IN BARRED ROCKS write for my free 20-page catalogue and mating list. Chas. Youngman, Box E, Wautoma, Wis. 4-3

BARRED ROCKS exclusively. Ringlet strain. Two pens direct from Thompson, mated for exhibition: pullets and cockerels. Eggs, \$3 per 13. Free range. \$1 per 15; \$4 per 100. Mrs. Emma Hoohler, Unionport, Ohio. 3-3

BARRED ROCKS EXCLUSIVELY. Bred for winter eggs a specialty. Large honed and barred to the skin. Eggs from prize winners. \$1.30 per 15, \$2.50 per 30. Satisfaction guaranteed. F. A. Baldwin, Radcliffe, Iowa. 4-3

EGGS by the setting or by the thousand from Barred, Buff and White Plymouth Rocks. \$2 and \$3 per setting; \$10 per 100. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

WHITE P. ROCKS. Score from 93 to 94%; headed by 94½-point cockerel. Eggs, \$2 per 15. Sam Boyd, Russell, Iowa. 4-3

EXHIBITION BARRED ROCKS. "Thompson's Ringlets." Cockerel or pullet matings. Eggs from choice pens. \$1.25 for 15; 30, \$2. J. T. Croak, Cedar Falls, Iowa. 4-3

SIX YEARS' careful breeding insures quality Rider's Buff Rocks. Eggs, 15, \$1; 30, \$1.75; 100, \$4.25. Satisfaction guaranteed. Harry Rider, Fairfield, Iowa. 4-3

BUFF ROCKS—A few choice trios and pens to spare at \$7 per trio; \$10 per pen. Order today. Also eggs, \$2 and \$3 per 15. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

PRIMROSE POULTRY FARM—Buff Rocks exclusively. Eight years of experience. Shepherd Essex and Primrose strains. Birds all bred from prize winners. Eggs, \$2 setting, or two for \$3.50. Fred Elhrott, 131 N. Sixth St., Quincy, Ill. 4-3

WHITE PLYMOUTH ROCKS (Fishel's). Barred Rocks (Ringlets). Eggs, \$1 per 15. Fine birds. Peter Perry, Chillicothe, Ill. 4-3

BARRED PLYMOUTH ROCKS. Eggs, \$1 for 15. Mrs. J. D. Turley and Miss Jessie A. Turley. Address latter, Black Water, Mo. 4-3

WHITE ROCKS (Fishel strain). Eggs from careful matings. \$1 per 13; \$2, 30; \$5, 100. J. S. Gieske, Barrington, Ill. 4-3

BARRED ROCK EGGS. part Ringlet strain. \$1 per 13, \$6 per 100. H. B. Cooper, Jr., Woodside, West Philadelphia, Pa. 4-1

BUFF ROCKS exclusively. 11 years. Golden Buff, correct shape, full weight, great layers. Eggs, \$1.50 per 15; \$2.50 per 30. Jno. F. Winter, Wooster, Ohio. 2-4

WHITE ROCKS that win. This season mine have won at Danbury, Conn., 1st and special on cock, 2nd on hen; at Hartford, Conn., 1st and special on cock, 2nd hen, 4th and special cockerel, 5th on pullet in class of 108. Chas. H. Ward, Bethel, Conn., Hillcrest Farm. 3-3

INCUBATOR EGGS from farm range. Barred Plymouth Rocks. Great layers. Prize winners. money-makers; males scoring 90% to 93; head flock. Eggs, \$2 per 50; \$3.50 per 100. Geo. L. Marsh, Ft. Dodge, Ia. 3-3

BARRED AND WHITE ROCKS. Ringlets and Fishel strain. Eggs, \$1 and \$1.50 per 15. Fry Brothers, Route 6, Louisville, Ill. 4-3

WHITE PLYMOUTH ROCKS exclusively. standard and utility bred. Prolific layers. Eggs for hatching. \$1.50 per 15. Geo. B. Bowles, Box 358, Parkersburg, W. Va. 4-3

WHITE PLYMOUTH ROCKS exclusively. Large stay White Birds. Four fine pens mated from which I will sell eggs at \$2 per 15. Satisfaction guaranteed. H. W. Dunmore, 420 N. Cuyler Ave., Oak Park, Ill. 4-3

BARRED ROCK EGGS. 18 for \$1, 30 for \$1.50. Heus are grand in shape and harrings. Males score 90% to 91. M. E. Nelson, Wilton Junction, Iowa. 4-3

BUFF ROCKS ONLY. Nugget strain. Eggs sure to please: \$1 per 15, \$1.75 per 30, \$4 per 100. Miss Nora Kiger, Marion, Ohio. 4-3

BUFF ROCKS. Lapham's Gold Medal strain. Two splendid pens, headed by prize-winning sons of "Gold Medal." Eggs, \$1.50 for 15. Geo. C. Otis, Essex Junction, Vt. 4-3

26 EGGS \$1. Thompson's Ringlet strain of pure-bred Barred Plymouth Rocks. Write for circular. Frank Moore, Madison, Ind. 4-3

BARRED P. ROCK EGGS from cockerels scoring 94, \$1 to \$1.50 per 15. Correspondence cheerfully answered. Mrs. Kate Taylor, Anita, Iowa. 4-3

WHITE PLYMOUTH ROCKS exclusively. Six years a breeder. Eggs, \$1.50 per 15. Joe Brown, Corydon, Iowa. 4-3

BARRED PLYMOUTH ROCKS. "Ringlet strain." Eggs, \$1.50 per 15, \$2.75 per 30, \$7.00 per 100. U. S. Shreffler, R. No. 2, Kankakee, Ill. 4-3

BUFF ROCK EGGS—Nuggets. First pen headed by cockerel son of Benefactor, first Madison Square Garden, New York; \$2 and \$1.50 per 15, \$6 per 100. F. H. Ricketts, Co-shocton, Ohio. 3-3

BARRED PLYMOUTH ROCKS, EXCLUSIVELY. America's very best strains. Hawkins, Thompson, Löffel, Lash, Milns, Gardner, Conger, etc. Breeding and exhibition birds a specialty. Satisfaction guaranteed. Write me before buying elsewhere. Eggs for sale. J. D. Stevenson, Killbuck, Ohio. 3-3

BARRED, BUFF AND WHITE ROCKS—Eggs from prize winners. Catalogue free. Write F. B. Ritchie, Warrensburg, Ill. 3-3

WHITE ROCK EGGS—Pens headed by Fishel cockerels; \$1 for 15; \$5 per 100. A. Paine, Rosemond, Ill. 3-3

BARRED PLYMOUTH ROCKS—From the blood of the best. Big, healthy, fine looking birds. Eggs, \$1 for 15. D. S. Terrell, Elkton, Md. 3-3

WHITE PLYMOUTH ROCKS exclusively. Eggs, \$1.50 per 15; \$2.50 per 30. Miss Clara Pullman, Centerville, Iowa. 3-3

BUFF ROCK eggs from private high scoring pen, \$1.50 per 15. Ellis E. Lawrence, Spafford, N. Y. 3-3

BUFF ROCK EGGS from two yards, headed by winning males. Pure Nugget strain. Fine large, even colored females, farm raised. \$1.50 per setting. Fred Somers, Beaver, Pa. 4-3

BUFF AND BARRED ROCKS. Winners at Bloomington, 1905. Eggs for hatching Buff, \$2; Barred, \$1.50 per 15. Write for mating circular. Frank C. Pietsch, R. R. 4, Bloomington, Ill. 3-3

BUFF ROCKS (Nugget strain). Eggs from extra large, heavy winter layers, and splendid buff colored matings. \$1 per 13. Try us; we guarantee satisfaction. Arthur Taylor, Box A, Washington, N. J. 3-3

WHITE PLYMOUTH ROCKS. Fishel strain. Silver Cup winners. 1, 2, 3 cockerels; 1, 2, 3 pullet; 1 pen Rockford show; Judge Heimlich large stay white birds. Eggs, \$1.50 per 15; \$2.50 per 30. Thomas R. Heffron, 1218 Jackson St., Rockford, Ill. 3-3

BUFF ROCKS—My first breeding pen consists of pullets scoring to 93½, mated to full brother of male which headed first prize pen at World's Fair. Second pen headed by 92½ point cockerel, mated to good hens. Eggs from first pen, \$2; second pen, \$1 setting. V. E. Nordin, Rockford, Ill. 3-3

PLYMOUTH ROCKS. Barred, White and Buff. Bradley, Roots and Millville strains. Eggs, \$1 per 15. H. D. Pinckney, Mahopac Falls, N. Y. 3-3

FERRISS WHITE PLYMOUTH ROCKS. 15 eggs, \$1.50; incubator eggs, \$7. Send for card; special matings. David Ferriss, Route 11, Joliet, Ill. 3-3

BUFF ROCKS—Cockerels and hens, prize winning stock; eggs, \$2 per 15. Wm. E. Thomas & Sons, R. R. 9, Zanesville, O. 3-3

WRIGHT'S BARRED ROCKS—The kind that win. 15 eggs, \$2. J. Wright, Darlington, Wis. 3-3

BUFF ROCKS. Eggs from pen headed 1st cockerel, Keene; \$3 setting. W. P. Weston, Hauck, N. H. 3-3

WHITE PLYMOUTH ROCKS exclusively. Good size, shape and color. Eggs, \$1.50 per 15, \$2.50 per 30, \$5 per 100. D. J. Fitzgerald, Route 2, Bentonsport, Iowa. 4-3

CHOICE Barred and Buff Rock cockerels, \$2 to \$5; eggs, \$2 per 15. Chas. Wehb, Kinsman, Ohio. 3-3

BARRED ROCKS. Thompson and Hawkins strains; eggs, \$1.50 per 16. W. A. Smith, Burnt Prairie, Ill. 3-3

WHITE ROCKS. Chicago, Detroit winners. Large illustrated circular free. Lyman H. Hill, Jackson, Mich. 3-4

BARRED ROCKS and Single Comb Brown Leghorns. Won 31 prizes one show. Eggs, \$2.25, \$1.50, \$1 for 15. Robert Wilder, Fulton, Mo. 3-3

EGGS for hatching. Barred Plymouth Rocks. E. B. Thompson strain; very fine. Write me and I will tell you all about them. A. J. Barr, Manila, Iowa. 3-3

BARRED PLYMOUTH ROCKS EXCLUSIVELY. E. B. Thompson strain. Matings this season unsurpassed. Eggs in season, \$1.50 for 13. Seek and you shall find. J. F. Harding, Brownsburg, Ind. 3-3

BUFF ROCK EGGS. the original Nuggets the entire Overbaugh flock. Come to headquarters for your pure Nuggets. Our matings are second to none. Birds from our yards in the hands of customers won their share of firsts and silver cup prizes at the large shows this past season. Eggs, \$5 per 13, \$8 per 26, \$12 per 50. Nugget Poultry Farm, Bloomsburg, Pa. 4-3

BARRED ROC. 3 exclusively. Eggs, 15 for \$1; 100, \$4. Farm raised, vigorous stock. Excellent layers. Mrs. Geo. H. Longest, English, Indiana. 4-3

WHITE PLYMOUTH ROCKS. Eggs, \$1 per 15. Flock headed by a high scoring Fishel \$10 cock. F. H. Hollway, Lytton, Iowa. 4-3

PARTRIDGE PLYMOUTH ROCKS. Fine, large birds. Eggs, \$1.50 per 15. Satisfaction guaranteed. Fred Kypke, Lakemills, Wis. 4-3

WHITE ROCKS. D. T. Root's strain, scoring up to 95½; eggs, \$2 per 15. W. D. Stover, Gosben, Ind. 3-3

BUFF ROCKS. Yards headed by sons of Gold Force, the \$300 cockerel. Eggs, \$2 per sitting. Exmoor Farms, Lebaun, Pa. 4-1f

BARRED PLYMOUTH ROCK EGGS from birds scoring 90 to 96 points. \$1 setting, \$4 per hundred. Naunie Clausen, Lakefield, Minn., R. 2. 4-3

H. O. SWINEY, Greenview, Ill., Breeder of White Plymouth Rocks. Eggs for hatching. Prices reasonable. 4-3

EGGS, \$3, from the highest scoring White Rocks in Michigan. Particulars free. Geo. F. Minto, Box A, Milan, Mich. 4-3

EXPRESS PAID on E. B. Thompson Ringlet Strain Barred Rock eggs, \$2 per fifteen; \$5 per 45; very choice exhibition pullet matings. Last Elmira show, first, second, third, fourth pullets. First pen. Chas. W. Pfister, Livonia, N. Y. 3-4

BUFF ROCK EGGS from first cockerel, Chicago, 1905, Michigan State, Chicago, Ft. Wayne, Cleveland. Cocks and cockerels. Setting, \$2.50. Catalogue. Abbott and Dunton, Reading, Mich. 3-3

PURE BRADLEY BARRED ROCK cockerels; prices reasonable; eggs in season, \$2 per setting. Chancy Elwood, Dillman, Ind. 3-3

EGGS from exhibition Barred Plymouth Rock stock, \$1.50 and \$2; mating slip free. Albert M. King, Bonaparte, Iowa. 3-3

BARRED PLYMOUTH ROCKS—Exclusively. Farm raised, pure Ringlet strain. Eggs, 15 for \$1.45 for \$2.50. G. A. Barnett, Route 1, Clinton, Ill. 3-3

BARRED ROCKS—"Ringlet strain." Experienced breeder; fine quality. Eggs, 15, \$1 and \$1.50. J. T. Keenau, Shipman, Ill. 3-3

WHITE AND BUFF ROCK EGGS from stock from Cleveland and Pittsburg first prize winners, \$2 per 15. C. L. Hunter, Greensburg, Ind. 3-3

BEAUTIFUL BLUE BARRED ROCKS (Thompson), score 92 to 94; eggs only, \$1 per 15. Mrs. J. N. May, Marengo, Iowa. 3-3

EGGS. Pure bred stock, Buff Rocks, \$1.50. Single Comb White Leghorn, \$1 per setting. Geo. W. Hatt, Mohs Store, Pa. 3-3

WHITE ROCKS. Fishel's, all first, second, third winners; never defeated. Litz, Reading, Sanatoga, Pottstown. Eggs only \$1 15. Circular. Harry Levengood, Route 2, Douglassville, Pa. 3-3

BARRED ROCKS—Cockerel matings, Bradley strain. Pullet matings. Thompson strain. Eggs, \$1 per 15; \$1.75 per 30; \$5 per 100. Springdale Poultry Yards, Wyalusing, Pa. 3-3

WHITE PLYMOUTH ROCKS. Bred from Chicago, Joliet winners. Pure white. \$1 per 15; \$2 per 40. George Rigler, Bentonsport, Iowa. 3-3

PURE BARRED PLYMOUTH ROCKS exclusively; stock for sale; eggs in season, \$1 per 15. \$5 per 100. Satisfaction guaranteed. Ed Martin, Route 25, Oconomowoc, Wis. 3-3

BARRED ROCKS—Eggs from pens of prize winners. Let's talk about that setting. Harry Izor, Durand, Mich. 3-3

BARRED WHITE PLYMOUTH ROCKS. Trio, \$4; 15 eggs for \$1. Peter Klotowyk, Munster, Ind. 3-3

BARRED ROCK—Eggs from produce of my \$50 trio that were mated by E. B. Thompson last spring; mated with cockerel recently purchased from Thompson, that he says has but few equals. Eggs, \$3 per 13; \$5 per 26. Lillian Kellar, Box 371, Newark, Ohio. 3-3

BUFF PLYMOUTH ROCKS—Pure "Nuggets," the strain that made the breed famous; no more stock. Eggs, \$2 per 15. Yours for quality. Theo. Benner, Bunker Hill, Ill. 3-3

BARRED PLYMOUTH ROCKS. winners of ALL but one FIRST, and FIVE regular PRIZES at the DENVER show, LAMBERT judge. Ten prizes in 1904. All the State competing. Eggs, \$3.00 per 13. Smith & Blinn, Edgewater, Colo. 5-3

BUFF PLYMOUTH ROCKS. Prize winners. High scores. Eggs, \$1.50 setting. G. H. Johns, La Salle, Ill. 3-3

SCHAPERKOTTER BUFF ROCKS—For quality birds, write me; breed only from healthy stock. Eggs, \$2 per 15. E. W. Schaperkötter, Old Orchard, Mo. 3-3

BUFF ROCKS EXCLUSIVELY—Eggs, \$1 per 15; \$2 per 40. Satisfaction guaranteed. Daniel H. Bryant, Oxford, Ohio. 3-3

WHITE PLYMOUTH ROCKS—The kind that win. Scores to 96. Eggs, \$1.50 per 15. Satisfaction guaranteed. Circular free. Ray Cross, Racine, Ohio. 3-3

WHITE ROCKS—Best winning strains. Eggs, \$1.50 per 15, and guaranteed worth the money. Write for particulars and be convinced. Henry Wood, Dwight, Ill. 3-3

BARRED PLYMOUTH ROCKS exclusively (Bradley Bros.' strain). Eggs from best matings, \$2 per 13; \$3.50 for 26. Incubator eggs, \$5 per 100. Edmunds & Jones, Barrington, Ill. 2-3

FISHEL WHITE ROCK, White Wyandotte eggs. Baby chicks. Distance no objection. Mrs. M. B. Williams, Salisbury, Mo. 4-3

BARRED ROCKS EXCLUSIVELY—Eggs (15), \$2. First pen, chl. headed by Bradley Bros.' prize winning cock; weighs 11 lbs. Second pen, pullets, contains my 1st, 2nd and 3rd prize winners at Evanston. Circulars free. C. J. Friesland, Glencoe, Ill. 5-2

Barred Rocks, mated by E. B. Thompson. Guaranteed pure "Ringlets." Farm raised. Eggs, \$1.00, 15; \$5.00, 100. Ada Hall, Kenney, Ill. 5-1

BUFF PLYMOUTH ROCKS—J. D. Wilson, Worcester, N. Y., originator of this most popular variety. Continuously line bred since '88. Record world-wide. Best always the cheapest. Reasonable prices for stock. Eggs from solid matings, \$5, one sitting; \$8, 2; \$10, 3. 5-3

Barred Plymouth Rock eggs, \$1.50 for 15. Conger's strain. Guaranteed. Charles H. Nye, 41 South Twelfth St., Richmond, Ind. 5-3

Barred Rocks, 5 years a breeder of "Ringlet" strain exclusively. Farm raised. Eggs, \$1.00, 15; \$5.00, 100. Luther J. Hall, Kenney, Ill. 5-1

Barred Plymouth Rock eggs, rich in Ringlet blood, \$1.00 per 13; \$6.00 per 108. H. B. Cooper, Jr., Woodside, West Philadelphia, Pa. 5-3

CHOICE WHITE PLYMOUTH ROCKS, Fishel's strain. None better; in fine condition. Eggs, \$1.25 per 15. Mrs. M. Elliott, Warsaw, Ind. 5-1

EIGHT YEARS a breeder Barred Plymouth Rocks. Double mating system. A. B. Commons, Richmond, Ind. 4-3

BUFF ROCKS. Better than ever. Eggs, 15 for \$1.00. Pullets, 75 cents each. Rev. W. Cunningham, Mason, Ill. 5-1

My strain of WHITE PLYMOUTH ROCKS are the large stay-white kind, bred for eggs as well as shape and plumage. J. L. Yohe, Carey, Ohio. 5-3

BARRED PLYMOUTH ROCKS. "Ringlet" strain. Breeders grown upon unlimited range. Eggs, \$1.00 per 15; \$2.50 per 45; \$5.00 per 100. Half price after May 20. S. C. Hunter, Hallsville, Ill. 5-1

Absolutely pure bred BARRED ROCKS. Eggs, \$1.50 per 15. Cockerels for sale, \$1.50 each. Green, 315 Giddings Street, Ravenswood, Chicago, Ill. 5-1

BUFF BARRED AND WHITE THOROUGH-BRED PLYMOUTH ROCKS. Fifteen eggs, \$1.50. Guaranteed fertile. Spring Lakes Poultry Farm, Columbus, Ohio. 5-1

WYANDOTTES.

W. WYANDOTTES EXCLUSIVELY. Birds all scored. Eggs, \$1 per 15, \$5 per 100. Mrs. I. Greene, R. 3, Morning Sun, Iowa. 3-3

SPECIAL SELECTION OF HIGH QUALITY White Wyandotte eggs, from heavy laying strain. Extra white birds, scoring 95 and better. Fifteen eggs for \$3; thirty eggs, \$5. Any infertile eggs replaced free. Frank S. Patton, Johnson City, Tenn. 4-3

GOLDEN WYANDOTTES. Eggs from high scoring birds. Fifteen eggs, \$1.50; 30, \$2.25. Seventy-five per cent to hatch or duplicate order at half price. G. W. Gillet, Route 4, Wellington, Ohio. 4-2

SILVER LACED WYANDOTTES. Eggs, \$2 per 15, from stock scoring 92 to 94. Satisfaction guaranteed. O. O. Howell, Oelwein, Iowa. 4-3

WHITE WYANDOTTES EXCLUSIVELY. Choice stock. Farm raised. Eggs, \$1 per 15. Chas. Birdsall, Good Hope, Ill. 4-3

WHITE WYANDOTTES, the birds that won at Chicago big show first cock and first pen. Eggs only \$3 per setting. Order at once if you want the best. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

WHITE WYANDOTTES, Duston strain. Bred for size, shape, color and especially for winter laying. Eggs, 10c each; \$6 per 100. Few fine snow white cockerels, \$3 each. L. A. Richard-sou, Marlee, Ill. 4-3

WINNING BUFF WYANDOTTES. Eggs, \$2 per 13. Birds in my breeding pens score 90 to 95. None under 90. Brooder plans, 25c; free to egg customers. A. Almendinger, 41 Oak St., Buffalo, N. Y. 4-3

EGGS from prize winning "Columbian Wyandottes." They have bright yellow legs, finely laced hackle, and great layers of fine eggs. A limited number for sale, \$3 for 15. L. H. Davis, Port Jefferson, N. Y. 3-3

BLUE RIBBON WINNERS—White Wyandottes. A few trios and pens yet for sale. Write for prices. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

WHITE WYANDOTTES. Eggs, \$1.50 per 15. A. T. Brightman, Granger, Minn. 5-1

HIGH GRADE WHITE WYANDOTTE EGGS. \$1.00 to \$2.00 per 15. E. C. Jolly, Franklin, Ill. 5-1

BETTER THAN EGGS—AND CHEAPER. Fine White Wyandottes, 3 to 4 months old, \$9.00 a dozen. Geo. F. Snyder, Highland Farm, Tallapoosa, Ga. 5-3

WHITE WYANDOTTES, Partridge Wyandottes; from best stock money can buy; 15 eggs, \$1.25; \$2 per 30. Louis Stassen, Peotone, Ill. 3-3

BUFF WYANDOTTE eggs and chicks for sale. Eggs, \$1.50 per 15, and chicks 20 cents each. Stock fine and strong. Address, W. J. Holmes, Monon, Ind. 5-1

EGGS, \$1 for 15 from White and Silver Wyandottes. Best strains. Satisfaction guaranteed. Dan Mears, Delrey, Ill. 4-3

BUFF WYANDOTTE EGGS for sale from stock scoring 90 to 94. Three dollars per 15 from first pen and \$2 from second. Ed Matsch, Burlington, Iowa. 4-3

SILVER PENCILED WYANDOTTES, prolific and beautiful. Eggs, guaranteed, \$3 for 15; \$5 for 30; \$6 for 45. S. J. Sorensen, Ravine Poultry Yards, Appleton, Wis. 4-3

BUFF WYANDOTTES EXCLUSIVELY. Eggs in season, good layers, from \$1 to \$1.50 per 15. C. B. Way, Wooster, Ohio. 4-3

WHITE WYANDOTTE EGGS, \$2 per 13; 93½ point male. Toulouse geese eggs, 20c each. A. E. Stine, St. James, Ill. 4-3

FOR SALE—Twenty White Wyandotte cockerels. Fifteen eggs, \$1.25. W. C. Jackson, South Bend, Ind. 4-3

WHITE WYANDOTTES (Fishel strain). Eggs from five grand pens, \$1.50 per 15. K. J. Heabler, Attica, Ohio. 4-3

WHITE WYANDOTTES, three pens, good matings, farm range, great layers. Eggs for hatching, \$1 per 15; \$3 per 60; \$5 per 100. R. D. Chalfant, Bluffton, Ind. 4-3

SILVER LACED WYANDOTTES. Eggs only, 15, \$1; 45, \$2.50. Fine stock. Order direct. John Cook, Route 7, Bluffton, Ind. 4-3

WHITE WYANDOTTES EXCLUSIVELY. Eggs, 15, \$2; 30, \$3.50; incubator eggs. Will hatch winners. Line bred, prolific layers, true shape and markings. Seventy-five per cent fertility guaranteed. W. J. Braun, Warsaw, Ill. 4-3

WHITE WYANDOTTES EXCLUSIVELY. Eggs from exhibition matings at \$3 per 15. Incubator eggs from our pure bred farm range flock at \$5 per 100. All males in this flock are brothers to our first prize cockerel at the late Illinois State Show. Write for circular. J. M. Wiley & Son, Elmwood, Ill. 4-3

PARTRIDGE WYANDOTTES — ADAMS' "GOLDBANKS." Thirty-three premiums at two State Shows. Stock; eggs. Circular. Rev. A. B. Adams, Altoona, Iowa. 4-3

PARTRIDGE AND SILVER PENCILED WYANDOTTES. Eggs—Partridge Wyandottes, \$1.50 per 15; Silver Penciled, \$2 per 15. Ed Schmiedemann, Lakemills, Wis. 4-3

GOLDEN'S GOLDEN WYANDOTTES, GOLDEN SPANGLED and Penciled Hamburgs. Eggs, \$2.50 per 15; \$4.00 per 30. Ira Sitterly, 19 Potter St., Gloversville, N. Y. 4-3

GOLDEN AND BUFF WYANDOTTE eggs from choice stock at special prices. Circular. A. F. Hertzer, Burlington, Iowa. 4-3

WHITE WYANDOTTES—Heavy layers. Won at Pontiac and State Show, Detroit, six firsts, four seconds, two thirds, strongest competition. Birds best pen score 92½ to 94. Eggs, \$3 per 15. Will win for you. R. M. Morton, Box 652, Detroit, Mich. 3-4

DR. HARWOOD, CHASM FALLS, N. Y. Buff, Partridge, Silver Penciled and Columbian Wyandottes.—Finest strains. Circular. 3-3

WHITE WYANDOTTES. Eggs from my prize winners at \$2 per 15. Eleven prizes, Deatur, three State Show, Peoria. None better bred for exhibition or utility. Victor Dewein, Warrensburg, Ill. 3-3

WHITE WYANDOTTES—Best strains bred to lay as well as win; extra large Pekin Ducks. Circular. Eggs a specialty. Chas. H. G. Swelgart, Avondale, Pa. 3-3

WHITE WYANDOTTES. Winners among the world's best, birds from my yards being among winners at St. Louis; largest and strongest class ever exhibited. In strong competition this season at Mason City and Webster City. Won seven firsts (tied eighth) out of possible ten. Eggs, \$2.50 per 15. Geo. L. Marsh, Ft. Dodge, Iowa. 3-3

EGGS from large, vigorous, high scoring White and Silver Laced Wyandottes for sale. You need my free circular and prices before buying. Wm. S. Mapes, El Dorado, Ill. 3-3

WHITE WYANDOTTES. Large size, fine quality, leading strain of Boston winners. Eggs, choice matings, \$2 setting; three settings, \$5. W. P. Weston, Hancock, N. H. 3-3

WHITE WYANDOTTES. "Duston." Choice stock. Excellent layers. Eggs, \$1.25 for 15; \$5 for 100. L. C. Taylor, Lake View Farm, Lima, Ind. 3-4

PARTRIDGE WYANDOTTES. First premium winners, Illinois State, Indianapolis shows. Eggs, \$3 15. Williams Poultry Co., Saybrook, Ill. 3-3

MY SILVER PENCILED WYANDOTTES won 1st cockerel, 1st and 3rd pullet, 2nd and 4th hen, and 1st pen at the Chicago Show, 1905. Eggs, \$3 per setting. J. E. Armstrong, 10638 Prospect Ave., Chicago. 3-3

DUSTON'S WHITE WYANDOTTES. Best eggs, fifteen, \$2; thirty, \$3.50; others, \$1.50. Leadet, Morris & Morris, Morrisonville, Ill. 3-3

GOLDEN WYANDOTTES from stock scoring 91%, 94%. Eggs, 15, \$1.50; 100, \$5. No stock. Percy Dawson, Route 10, Franksville, Wis. 3-3

WHITE AND PARTRIDGE WYANDOTTES. Eggs, \$1 for 15; fertile eggs a specialty. Wm. Shreve, Uhrichsville, Ohio. 3-3

SILVER LACED WYANDOTTES exclusively. Eggs, \$1.50 per 15. Satisfaction guaranteed. T. W. Wilhite, Hornsby, Ill. 3-3

CHICKS, EGGS, COCKERELS. WHITE WYANDOTTE. Ask for our free Booklet. Cohasset Poultry Farm, R. 2, Muskegon, Mich. 3-3

WHITE WYANDOTTES. The descendants of a long list of prize winners are the make-up of my breeding pens the coming season; large stay white, good shape, bay eyes and good combs; Duston strain, scoring 94½ to 95½. Will sell eggs from these pens at \$2 per setting. Do not miss this, but place your orders early and save delay. Some good cockerels and pullets to sell at prices within reason. G. H. Sunderman, Beardstown, Ill. 3-3

SILVER LACED WYANDOTTE EGGS. \$1.50 for 15. A. H. Barton, Mt. Ephraim, N. J. 3-3

WHITE WYANDOTTES exclusively. Great layers. Eggs, \$1.25 for 15; \$2 for 30. C. A. Jones, Atlanta, Ill. 3-3

GOLDEN WYANDOTTES exclusively. Keller Strain. Excellent layers. Eggs, \$1.25 per 15; \$2.00 for 30; \$3.00 per 50. No further reduction. Lemmel Greth, Wernersville, Pa. 1-6

HIGH CLASS PARTRIDGE WYANDOTTES. Stock for sale. Eggs, \$3 and \$5 per 15. H. J. Manley, Maplewood, Malden, Mass. 1-6

EXPRESS PREPAID ON WHITE WYANDOTTE EGGS—Winner of five firsts, three seconds and six specials at the late Goshen Poultry Show. Have won over 100 prizes in the last three years in hottest kind of competition. Eggs from prize winners, \$2 per 15, \$3.75 per 30. Fair hatch guaranteed. Catalogue free. Will H. Schadt, Goshen, Ind. 2-4

WHITE WYANDOTTES—Fine healthy stock. Eggs, \$1.50 per 15. Stock for sale. E. D. Wright, R. 1, Salem, Ohio. 2-5

PARTRIDGE AND WHITE WYANDOTTE eggs, \$1 per setting; leading strains, J. Mill, Coshocton Ave., Mt. Vernon, Ohio. 3-3

COLUMBIAN WYANDOTTES—Winners at Madison Square Garden; a few good cockerels to spare. Eggs, \$3 per setting. Dr. C. J. Andrus, Canandaigua, N. Y., "The Black Minorea Man." 2-05-12

WHITE WYANDOTTES—Exclusively. America's best blood. Duston, line-bred, farm raised, white and vigorous; eggs, \$1.50 per 15; \$5 per 100. Hens and pullets, \$1.50 each. Meadowbrook Farm, Westfield, Ind. 3-3

PARTRIDGE WYANDOTTES—Eggs from select females mated to cockerels from Doolittle, \$2 for 15. N. A. & M. M. Robinson, 1812 Hebron Ave., Zion City, Ill. 3-3

OUR ROYAL STRAIN of Silver Laced Wyandottes was bred and are mated now in single pairs. Every egg guaranteed fertile; \$2 per 15. Ben Eilers & Son, R. R. No. 2, Gordon Ave., Peoria, Ill. 3-3

PARTRIDGE WYANDOTTES—Eggs for hatching from three grand pens of prize winners, \$2 per 15. C. P. Richey, Malone, N. Y. 3-3

PURE BRED WHITE WYANDOTTES—From the best strains in America. Heavy layers. Large snow white, blocky birds. Eggs, \$1.50 per 15, \$6 per 100. Motto: "Golden Rule." Dr. H. Doster, Poneto, Ind. 3-3

GOLDEN WYANDOTTES—Exclusively. Stock and eggs for sale. Pond Lot Poultry Farm, D. Burr Snell, Cannonsville, N. Y. 3-3

SILVER LACED, Silver Penciled and Columbian Wyandottes—Eggs from best pens, \$2 per 15. Ray D. Brown, Tully, N. Y. 3-3

BRED TO LAY—White Wyandottes. Egg records, 190 to 230. Eggs, \$2 for 15; \$3 for 30; \$5 for 50. Males, \$2.50 to \$5; females, \$2 to \$3. J. R. Lindsay, Charleroi, Pa. 3-3

WHITE WYANDOTTES. "The kind that lay"; 6 years' use of trap nests. Best eggs, \$2 for 15; \$3.50 for 30; \$5 for 45; \$10 for 100. Incubator, \$6 for 100. Circular free. W. B. Candee, Box P, Fayetteville, N. Y. 2-4

WHITE WYANDOTTES ONLY—Three choice matings; eggs, \$1.25, 15, \$2, 30. Reference, Havana National Bank, Harry Hill, Havana, Ill. 2-4

EGGS FOR HATCHING—White Wyandottes, Buff Rocks, Buff Leghorns. Best strains in America. Write for prices. E. S. Hassler, Wernersville, Pa. 1-5

EGGS, 10c each. Standard White, Partridge and Silver Penciled Wyandottes, Buff Orpingtons. Chickadotte Farm, Ruralhall, N. C. 4-3

DUSTON STRAIN—White Wyandottes. Eggs, \$1.50 for 15; \$2.50 for 30. Alice Latham, Route 4, Newton, Iowa. 4-3

DUSTON'S WHITE WYANDOTTES. Eggs, \$2 for 15. John W. Brown, Thorn Grove, Tenn. 4-3

WHITE WYANDOTTES. Prolific layers. Circular and premium list free. Stock for sale. Incubator eggs, \$5 per 100. Wentz Bros., Route 29, Plymouth, Wis. 4-3

GOLDEN WYANDOTTES. Blue Ribbon winners wherever shown. Write me for stock or eggs. Letters answered. Frank Langhor, Columbia City, Ind. 4-2

MY COLUMBIAN WYANDOTTES won 1st prize on pen at Boston show 1905. Eggs for sale, \$2 per setting. R. G. Richardson, Lowell, Mass., R. F. D. 2. 2-4

MANORDALE FARMS—Famous bred-to-lay White Wyandottes; 140 eggs in 151 days is a pullet record. Eggs, \$2 per setting. Joe F. Charles, Mountville, Pa. 3-12

SILVER WYANDOTTE—Eggs for hatching, from high scoring birds. Pen 1—Utility birds with good lacing; \$1 for 15. Pen 2—Average score of birds over 92 points; \$1.50 for 15. Pen 3—Contains fourth cock at St. Louis, 1st, 2d, 3d and 4th pullets at Belvidere. Expect a large number of show birds from this mating. \$2 for 15. Write me. J. E. Harrington, Sycamore, Ill. 3-3

WHITE WYANDOTTES EXCLUSIVELY—Stock for sale. Eggs, \$1.50 per 15, straight. Address Ed Hippert, Kewanee, Ill. 3-3

WYANDOTTE EGGS—\$2 per 15. Silver Laced, Penciled and White. Only exhibition stock. Dr. Litzenger, Orfield, Pa. 3-3

S. C. BLACK MINORCAS, White Leghorns and White Wyandottes. Eggs, 15 for \$1. Henry Yaggy, Woodburn, Ind. 3-3

HIGH CLASS PARTRIDGE WYANDOTTES—Winners Ohio State Show. Stock and eggs for sale. Frank Werkmeister, Dayton, Ohio. 3-3

WHITE WYANDOTTES exclusively; Duston strain direct; positively pure. Eggs, \$1 per 15; \$1.75 per 30; \$3 per 60; \$5 per 100. January egg record and illustrated folder on application. P. W. Gerhart, Jr., Wernersville, Pa. 3-3

EGGS from standard bred White Wyandottes, \$1.50 per 26. Charles Rose, Water Mill, N. Y. 3-3

LEGHORNS.

SINGLE COMB WHITE LEGHORNS. Wyck-offs and Blanchards. Eggs, 75c per 15; 100, \$4. Myrtle Colledower, Palestine, Ill. 4-3

WHITE LEGHORN EGGS, the kind you have been looking for. Two hundred egg strain, fine in shape and color. Birds score from 92½ to 95½. Satisfaction guaranteed or money back. Eggs, \$2 per 15, or \$8 per 100. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

ROSE COMB LEGHORNS. White and brown stock all sold. Eggs, \$1 for 15, \$2 for 39. John Cook, Route 7, Bluffton, Ind. 2-6

SINGLE COMB WHITE LEGHORN COCKERELS. 75c; Barred Plymouth Rock Cocks and Cockerels, \$1. Fifteen eggs, 75c; 45, \$1.80. Meadow Poultry Farm, Coulterville, Ill. 3-3

McELHENY'S S. C. White Leghorns are bred to lay. Finely illustrated circular with directions for feeding free. Frank L. McElheney, Box J, Cuba, N. Y. 4-3

COLE'S LEGHORNS—Rose Comb Brown. Eggs, 15, \$1; 100, \$5. Chas E. Cole, Elmwood, Ill. 4-3

DON'T BUY S. C. B. Leghorns of me unless you want good ones; have won 22 premiums this winter; stock and eggs for sale; eggs, \$1.50 for 15. S. W. Crosby, Newton Falls, O. 4-3

EGGS. Single Comb Brown Leghorn, 13 for 75 cents. O. B. Nelson, Argyle, Wis. 5-1

100 SINGLE COMB BROWN LEGHORN HENS cheap. Eggs now 100, \$4; 15, \$1. Last year's eggs produced some prize winners. Write Simeon Tobias, Crothersville, Ind. 3-3

MORROW Q. HATHAWAY, breeder Rose Comb Brown Leghorns exclusively; direct descendants from the Hansel Australian world beaters. Eggs, 75 cents per 15, \$4.00 per 100. Winamac, Ind. 3-3

A BARGAIN—Pure S. C. W. Leghorns; eggs for sale, \$1 per 15. A. R. Messeliser, Hampton, Iowa. 4-3

R. C. BUFF LEGHORN COCKERELS—Beauties. Jos. C. Roesling, Janesville, Wis. 5-1

ROSE COMB WHITE LEGHORNS. New York-Chicago winners. Good layers. Circular. W. W. Wood & Co., Angola, Ind. 5-4

S. C. B. LEGHORN EGGS for hatching. All females in yard scoring 94 or better. Keller, Marshall, May, McKeuzie, judges; \$1.50 per 15. Satisfaction guaranteed. Henry Oehler, Germantown, Ohio. 5-3

EGGS, SINGLE COMB BROWN LEGHORNS. Thoroughbreds, \$1.50 per 15. Chas. Hartman, 2610 Polk St., Chicago, Ill. 5-1

WHITE WYANDOTTES—Duston strain direct; large, blocky birds; bay eyes, yellow legs; scoring 91 to 95. Eggs, \$1, 15; \$3, 50; \$5, 100. Lawn Poultry Yards, Poneto, Ind. 3-3

17 EGGS, \$1; 100, \$4. From heavy laying strain. Rose Comb Brown Leghorns. W. E. Callahan, Tennessee, Ill. 4-3

SINGLE COMB BROWN LEGHORNS. Eggs from my best pens, \$2 per setting; \$5 per fifty; \$9 per hundred. From utility stock, one-half the above rates. Satisfaction guaranteed. Paul T. Hobart, Roscoe, Ill. 4-3

SINGLE COMB WHITE LEGHORNS—Bred from White Leghorns Poultry Yards. Eggs per setting, \$1. Louis Houghtaling, Hudson, N. Y., R. F. D. No. 2. 4-3

SINGLE COMB WHITE LEGHORNS—Wyckoff & Bauscher strain; eggs, \$1.50 per 15. G. Frey, St. James, L. I., N. Y. 3-3

MORGAN FARM LEGHORNS are real Leghorns. A prominent Illinois doctor wrote us after reading our booklet as follows: "Your little booklet is very artistic and very pretty as well as readable and interesting." Don't you want one? Drop a postal to Henry L. Haef, Route B. 30, Beloit, Wis. 3-3

ALFRED J. ANDERSON, breeder of S. C. B. Leghorns. Eggs for sale in season, 50c per 13; \$3 per 100. R. C. White Leghorns, \$1 per 13; \$5 per 100. Rockford, Ill. R. F. D. 5. 3-3

LITTLE CHICKS—Just hatched from fine S. C. Brown and White Leghorns, etc. Price, \$8 per 100 chicks. M. Uhl & Co., Box B, New Washington, Ohio. 3-4

ROSE COMB BROWN LEGHORNS a specialty for 12 years. Cockerels won 1, 2, 3, pullets 1, 2, at big Ann Arbor show, Tucker, judge; prices right. Harkins & Son, Ann Arbor, Mich. 3-3

LOOK! 30 S. C. BROWN Leghorn eggs, \$1; 100, \$2.50. Jesse Roberts, St. Charles, Iowa, 3-3

S. C. WHITE LEGHORNS—We have the finest flock in the West. Large size, snow white, piebald shape. Send for circular. Eggs, \$1 per 15, \$5 per 100. North Lake Poultry Farm, Lake Mills, Wis. 2-4

SINGLE COMB BROWN LEGHORNS—My yards are mated to cockerels from Grove Hill and are bred for heavy laying, as well as for exhibition; 15 eggs, 75c; 50, \$2; 100, \$3.50. Jesse Forney, Birds Run, Ohio. 2-4

ROSE COMB White & Rose Comb Brown Leghorns, 300 birds for sale; eggs for season. Jno. Cook, Route 7, Bluffton, Ind. 2-6

\$3 FOR 100 EGGS, Buff and White Leghorns. Special matings, \$1.25 per 15, \$2.50 for 45. C. R. Reynolds, Ft. Atkinson, Wis. 4-3

ROSE COMB BROWN LEGHORNS exclusively (Kulp's), great layers. Eggs, \$1 for 15; \$4 per 100. Sand Hill Poultry Farm, Mrs. Thos. Cole, Pierceton, Ind. (Kosciusko Co.) 3-3

SINGLE COMB WHITE LEGHORNS exclusively, 15 eggs \$1.50, from large, vigorous, well bred stock. Dr. P. L. Kreiss & Son, Benjamin, Pa. 3-5

SINGLE COMB BROWN LEGHORNS, bred to win. Bred to lay. Eggs from prize winners at Pittsburg, East Palestine, Allegheny and Canal Dover \$1.50 per setting. Fred H. Cook, Beaver, Pa. 3-3

S. C. BUFF LEGHORNS. Won Silver Cup, Harrisburg, Pa., January, 1905; 4 firsts out of a possible 5. Eggs, \$2 for 13; \$4 for 30. Chas. Fluhme, Box 131, Aspinwall, Pa. 3-3

SINGLE COMB BUFF LEGHORNS. Heavy winter layers. Eggs, \$1 per 15. Chas. L. Fenton, West Winfield, N. Y. 3-3

EGGS, 5c each. Rose Comb Brown Leghorns. Profitable, vigorous farm stock. Satisfaction guaranteed. Daniel Tooker, Edmore, Mich. 3-3

200-EGG ROSE COMB WHITE LEGHORNS. Anderson strain of Australian competition fame. Every hen in breeding pens with trap-nest record of over 200 eggs a year. Eggs ordered from this advertisement only. \$2 15, \$3.50 30, \$5 50. J. Monroe Anderson, Pleasant Hill Potato and Poultry Farm, Muncie, Ind. 3-3

20,000 FERTILE EGGS for hatching S. C. White Leghorns, that are large, vigorous breeders, and a strain of heavy layers. Regular egg machines, \$1 per 15, \$2.50 per 50, \$4 per 100. Big value for the money. C. A. Stevens & Co., Box 20, Wilson, N. Y. 3-3

SINGLE COMB BUFF LEGHORNS. Eggs from choice matings, \$1.50 per 15. Fine stock, excellent layers. Write us. Westview Poultry Yards, Box 11, Machias, N. Y. 3-3

FREE CATALOGUE. Single Comb White, Buff and Brown Leghorns. Belgian Hares. Failing Poultry Farm, La Fargeville, N. Y. 3-3

ROSE COMB WHITE LEGHORNS. Bred from Chicago, Springfield winners; two fine pens. Pen No. 1, \$1.50 per 15 straight; No. 2, 7c 15, \$1.50 per 30. George Rügler, Bentonport, Iowa. 3-3

I WILL SELL EGGS at \$1 per 15, from my exhibition pen of Single Comb White Leghorns. Write me. Noah Young, Pontiac, Ill. 3-3

WYCKOFF, RICE VAN DRESER strains, Single Comb White Leghorns. Eggs, \$1.50 per 15, \$5 per 100. Stock for sale. Fine breeding, cockerels specialty. Write your wants; satisfaction guaranteed. Earl S. Fowler, Sidney, N. Y. 3-3

HUMBOLDT PARK POULTRY FARM. Single Comb White Leghorns exclusively. Large, healthy, vigorous stock; heavy layers. Wyckoff strain (improved); pure white. Eggs, \$1 per 15. Satisfaction guaranteed. D. B. Wing, 605 Humboldt St., Chicago. 3-3

EMPIRE STATE S. C. WHITE LEGHORNS won two first premiums at New York State Fair, 1904. Trios, \$5; eggs, \$1 per 15, \$5 per 100. Catalogue free. C. H. Zimmer, Box Z, Weedsport, N. Y. 3-3

SINGLE COMB WHITE LEGHORNS. Heavy laying strain. Regular egg machines. Farm raised. Eggs \$1.50 30, \$4 100, \$7 200. D. Kirchhofer, "A," Dalton, O. 3-3

SINGLE COMB WHITE LEGHORNS. Heavy laying strain. Eggs, \$1 per 15, \$2 for 35. A. B. Wingert, 106 Maiden Lane, Springfield, Ohio. 3-3

SINGLE COMB WHITE LEGHORNS exclusively. Good size. Laying strain. Get stock from winter layers if you want to win. Eggs, \$1 per 15, \$5 per 100. F. C. Hyde, Lakeside Fruit Farm, Richfield Springs, N. Y. 3-3

SINGLE COMB WHITE LEGHORNS. Pens score 93 to 95; none better. Eggs, \$1 per 15, \$2.50 per 50. E. G. Judy, Potomac, Ill. 3-3

WANTED—All Rose Comb Brown Leghorn lovers to know how I can afford to sell Five Thousand eggs. From vigorous farm raised Prize Winners, at \$1 per fifteen. Free circular tells how. O. C. Van Doren, Laami, Ill. 3-3

EGGS. Single Comb Brown Leghorns; pullets score 91½ to 93; mated with cock scoring 94½. \$1.50 per 15; 30, \$2.50. Sure to produce some fine birds. Harry Rohley, Whitehall, Ill. 3-3

WORLD'S FAIR WINNER Rose Comb Brown Leghorns. Stock and eggs. Price list free. Also Single and Rose Comb White, Single Comb Brown and Buff. T. N. Smiley & Son, Milligan, Ind. 3-3

SINGLE COMB WHITE LEGHORNS. Mail this ad to me with 75c for 15 selected eggs from a pen of snow white birds. Free circular. E. L. Keith, Mount Vernon, Iowa. 4-3

ROSE COMB BROWN LEGHORNS exclusively from prize winners, extra large stock, low combs, great layers. Eggs, 15 for \$1; \$4 per 100. James Crawford, Cameron Mills, N. Y. 4-3

SINGLE COMB BROWN LEGHORNS. High scoring stock. Eggs, \$1 for 15; \$1.75 for 30. Mrs. Jay W. Prestou, Griswold, Iowa. 4-3

ROSE COMB WHITE LEGHORNS. Eggs for hatching. Prize winners. Layers of large eggs. Wilfred S. Hannah, 149 Monroe St., Grand Rapids, Mich. 4-2

BLACK LEGHORNS. Grand in standard and utility. Eggs from choice matings at \$1 per 15. A. B. Howard, Barnesville, O. 3-3

BLUE GRASS STRAIN S. C. Brown Leghorns, standard bred; heavy layers; vigorous stock. 15 eggs, \$1; 30, \$1.50. L. B. Newman, Grange City, Ky. 3-3

SINGLE COMB STAY WHITE LEGHORNS. America's best heavy laying and exhibition strains; winners wherever shown, scoring to 96. Choice cockerels for sale. Eggs from special matings, \$2 for 15; other splendid matings, \$1 for 15, \$5 for 100. Circular free. Write P. R. Pfouts, Bucyrus, Ohio. 3-3

ROSE COMB BROWN LEGHORNS. Hardy, strong birds. Special breeder Leghorns 15 years. Eggs, 15, \$1; 100, \$4. New Albany Poultry Farm, New Albany, Pa. 3-3

"VICTOR STRAIN" ROSE COMB WHITE LEGHORNS. Get my 1905 catalog before ordering; it tells all. Chas. H. Rose, Evanston, Ill. 3-3

"HANSEL'S" Famous Rose Comb Brown Leghorns, Buff Rocks, "Nuggets." Eggs, \$1.50 15. Mrs. E. Day Williams, Mitchell, Iowa. 3-3

LEGHORN SPECIALIST 12 years. White and Brown Single Comb. Eggs, 13, \$1; 26, \$1.50; 50, \$2.50; 100, \$4; 200, \$7; 300, \$9. Geo. Deer, Sylvania, O. 3-3

EGGS. Rose Comb White Leghorns, \$1 per 15. Mrs. Nannie Oates, Vernon, Ill. 3-3

S. C. B. LEGHORNS EXCLUSIVELY. Quality excellent; my customers get great value for their money. Eggs, 75c for 15; \$4 per 100. Fertility high. E. V. Lane, Lacon, Ill. 3-3

SINGLE COMB WHITE LEGHORNS. Bred for eggs with show points not omitted for 27 years. Winners New York, Chicago. Stock and eggs for sale. Eggs, prize-winning pen, \$1.50; farm range, \$1. Rankin Strain Pekin Ducks. Eggs, \$1. Kentucky Bell Poultry Farm, Henderson, Ky. 3-3

EGGS—Rose Comb White and Single Comb Brown Leghorns. Healthy thoroughbred, heavy laying; good points strain; 75c for 15, \$4 for 100. A. G. Anderson, Route 5, Rockford, Ill. 3-3

ROSE COMB WHITE LEGHORNS—Eggs, 15, \$1.50; incubator eggs, 100, \$4. R. H. Davis, Unionport, Ohio. 3-3

ROSE COMB WHITE LEGHORNS—Pure bred. Prize winners. Satisfaction guaranteed. Eggs from fine matings, \$1 per 15. Mrs. W. C. Glenn, McConnellsville, O. 3-3

BUFF LEGHORNS—Pure Wyckoff and Barnes strain. Eggs from choice matings, \$1.50 per 15. Satisfaction guaranteed. Easterday Bros., Racine, O. 3-3

LANSON'S ROSE COMB BROWN LEGHORNS—Winners; layers; none better. Circular. Banner Poultry Yards, Cameron, N. Y. 3-3

SINGLE COMB WHITE LEGHORNS, White Rocks, White Wyandottes. Eggs at \$1.50 per 15. Satisfaction guaranteed. Barker Bros., Indianapolis, Ia. 3-3

SEVENTY BUFF LEGHORNS, shown at Schenectady, N. Y., and our birds win 8 regular prizes on 11 entries; also grand special for best display; 25 elegant males and females at cut prices. Eggs until July, \$2.00 per setting. Bred in line 12 years. Address Talbot & Gilson, Edmeston, N. Y. 4-3

SINGLE COMB BUFF LEGHORNS. Standard strain. Breeding pen contains solid colored birds. Two pullets scoring 95½ each, cock bird 94½ (bred to lay), eggs \$2 for 15. Clarence C. Woodcox, St. Joe, Sta., Ind. 2-4

SINGLE COMB WHITE LEGHORNS exclusively, farm range. Won Macon County Poultry, Pet Stock Association, Decatur, Ill., first, third cockerel; first, second, third, fourth pullet; first, second pen; first pair chicks. Eggs from prize winners, \$2.00 per setting; from balance flock, \$1.00; cockerels for sale; satisfaction guaranteed; correspondence solicited. Wilbur Kiser, Hammond, Ill. 1-6

H. M. MOYER, SPECIALIST.—S. C. Brown Leghorns. Stock and eggs. Circular free. H. M. Moyer, Route 2, Bechtelsville, Pa. 11-04-12

FITZ'S BUFF LEGHORNS—At the great Lynn Show I won 19 ribbons on 13 birds; 1st cock, 2d and 4th hen; 1st and 2d cockerel; 1st, 2d and 3d pullet; 1st pen special for best shaped male and female; special for best colored male and female, and club ribbon for best cock, cockerel and pullet. Eggs, \$2 per 15; \$5 per 45. Josiah Fitz, 4th, Box E, Chester, N. H. 4-3

SINGLE AND ROSE COMB Brown Leghorns. Fine bred; eggs for sale, \$1 per 15; \$4.50 per 100. Stock for sale. A. T. Davis, Hillsboro, Ky. 4-3

ROSE COMB BROWN LEGHORNS exclusively for 10 years. Eggs for single setting of 15, \$1.25; two or more settings, \$1 each; \$5 per 100; 200 for \$9. T. A. Davenport, Belmont, Iowa, R. F. D. 4. 4-3

S. C. W. LEGHORN eggs, 15, \$1.50; great layers. Minnie Troy Riddings, Whitehall, Ill. 4-3

SINGLE COMB BROWN LEGHORN eggs, 5c each; from fancy, healthy, heavy laying stock. Jas. R. Hood, R. D. 1, Oakdale, Ill. 4-3

SINGLE COMB WHITE LEGHORNS—Eggs, 15, \$1; Wyckoff strain; vigorous stock. E. C. Henline, Hampton, Ill. 4-3

S. C. BROWN LEGHORN Eggs, 15, \$1.50, \$2.25; 100, \$4. J. N. Sisson, Valley Crossing, Ohio. 4-3

SINGLE COMB BUFF LEGHORNS—Thoroughbred; have free range of farm. Eggs, 45, \$1.50. J. H. Ward, Route 2, Yinton, Ohio. 4-3

BROWN LEGHORNS—First cockerel, second pen, at the World's Fair at St. Louis, Mo.; eggs, \$2, \$3 and \$5 per 15. Free circular on matings and winnings. E. E. Carter, Knoxville, Tenn. 4-3

S. C. WHITE LEGHORNS—The Wm. Penn strain, a line of blood that has produced New York winners. Unexcelled layers. Eggs, \$1.50 per setting. Exmoor Farms, Lebanon, Pa. 4-4

R. C. B. LEGHORNS—Tucker-McKenzie strain Houdans; \$4 trio; 13 eggs, \$1. Robt. Mears, Petersburg, Mich. 4-3

SINGLE COMB BROWN LEGHORNS—Blue Ribbon strain. Before you buy, send for my 16 years' show record. Eggs, \$1 for 15. C. F. Lang, La Crosse, Wis. 4-3

SINGLE COMB BROWN LEGHORN—Eggs, \$1.50 per 15 and \$7.00 per 100. David B. Hastings, New York Mills, N. Y. 4-3

SINGLE COMB WHITE AND BROWN LEGHORNS—Leading prize winning strains. Eggs, 7c. W. E. Ritter, Williamsport, Pa. 3-4

COCHINS.

PURE RICH LEMON BUFF COCHINS—Best of shape, size and feathering; stock all sold; eggs, \$1.50 for 15. Luther Ulum, Keswick, Iowa. 4-3

BUFF COCHINS. Eggs from stock scoring 94 up. Male, 96. Frank Temple, Elsberry, Mo. 3-3

PARTRIDGE COCHINS—Winners anywhere. Cockerels, \$3; pullets, \$2. Eggs, \$2 and \$3. Circular free. Dr. T. J. Lyne, Stockport, Ohio. 3-3

BUFF COCHINS—Stock all sold except for own use. Eggs, \$1 for 15. W. F. Crans, Circleville, N. Y. 3-3

PARTRIDGE COCHIN A SPECIALTY—Stock and eggs produced from my pens are winning silver cups and prizes in lots of states. Some fine birds for sale. Satisfaction guaranteed. Corlies, Butterfield and Stellwagon strain. L. A. Lydick, proprietor, South Bend, Ind., R. R. No. 3. 3-3

WHITE COCHINS exclusively for nine years. First-class stock. Eggs for hatching a specialty. Will J. Gray, 902 Crapo St., Flint, Mich. 3-3

BUFF COCHIN EGGS—\$1 for 13. Chris Erickson, Jr., Inwood, Iowa. 4-2

WHITE COCHINS—Eggs for sale from—state prize winners, \$2.50 per 13; quality unexcelled. C. J. Jackson, Inwood, Iowa. 3-3

HIGH GRADE Partridge Cochins eggs, \$1 to \$2 per 15. E. C. Jolly, Franklin, Ill. 5-1

BRAHMAS.

FAMOUS LIGHT (HEAVY WEIGHT) BRAHMAS—Eggs, \$2 per 15. If you want something fine address Chas. Nellis, Washington, Ind. 4-3

LIGHT BRAHMAS—Egg Laying Strain. Careful matings. All stock sold. Eggs, \$2.00 per thirteen; from selected pens, \$5.00. Unfertilized eggs replaced. Satisfaction guaranteed. Albert Fletcher, Jr., Warrenton, Va. 4-3

LIGHT BRAHMAS—Eggs from prize winners \$1.00 per thirteen. H. G. Schoening, Dayton, Ohio. 4-3

LIGHT BRAHMA eggs from choicest matings, \$1.50 per setting. From flock at large, \$1. Philip Thorwarth, Charter Grove, Ill. 4-3

LIGHT BRAHMAS EXCLUSIVELY—Winners wherever shown. Eggs from 7 grand matings, \$3 for thirteen. Write for mating list. Balch & Brown, Manchester, Conn. 4-3

LIGHT BRAHMAS—Grand cockerels, winners wherever exhibited. Eggs, \$15, \$2. East View Poultry Yards, Ballston Spa, N. Y. 3-3

LIGHT BRAHMA cockerels, scored and un-scored. Stock for sale. Eggs, \$2 per 13. M. O'Loughlin, R. 1, Milwille, Ill. 3-3

LIGHT BRAHMAS—Eggs from winners, \$3 for 15; eggs from penned birds; incubator eggs, \$6 per 100. Pen outside flat. E. O. Willoughby, R. R. 3, Blue Mound, Ill. 2-3

LANGSHANS.

BLACK AND WHITE LANGSHANS—Celebrated winners Hagerstown, Syracuse, Louisville, Newark, Saratoga, Poughkeepsie, Dayton, Cincinnati show and breeding specimens. Eggs, \$3 and \$2 per setting. Expressage prepaid. George Bealer, Nicholasville, Ky. 4-3

BLACK AND WHITE LANGSHANS—Eggs, either variety, \$1.50 for 15. A few fine black cockerels for sale at reasonable prices. Satisfaction guaranteed. Mrs. A. M. Mathewson, Geneva, Neb. 5-3

EGGS from properly mated Black Langshans, \$2 per setting. C. H. Scales, Leominster, Carrier No. 2, Mass. 4-3

BLACK LANGSHAN EGGS—Fifteen, \$1.50. Best strains, Minnie Troy Ridings, Whitehall, Ill. 4-3

WHITE LANGSHANS from St. Louis, Chicago winners; score to 96. Eggs, \$1.50 per 15; guarantee nine chicks. Circular free. Ernest Cross, Racine, O. 3-3

WHITE LANGSHANS—Choice birds, \$2 and \$3 each, from Chicago winners. Satisfaction guaranteed. Ernest Cross, Racine, Ohio. 3-3

BLACK LANGSHANS—Eggs from high scoring stock; \$3 per 15. M. P. Elsberry, Elsberry, Mo. 3-3

HETTICH BLACK LANGSHANS—Yards headed by sons of 1st cock at World's Fair, 15 eggs, \$1.50. C. R. Smith, Burnt Prairie, Ill. 3-3

BLACK LANGSHANS—First cockerel, Chicago, 1905; four firsts at Elgin, scoring 94 to 96%. McClave, judge. E. W. Colton, Elgin, Ill. 3-3

BLACK LANGSHAN EGGS—Pen headed by first cockerel Illinois State Show, 95%; 15; \$3; 30, \$5. Wm. R. Turnbull, Waverly, Ill. 3-3

HILLS' BLACK LANGSHANS—Remember my birds comprise Chicago first prize cockerel and fourth pullet of 1904. Cockerels, \$2 to \$5. Eggs from best matings, \$2 to \$3 per 15. Mrs. J. L. Hills, Box 1086, Franklin, Ill. 3-3

MRS. B. F. SCOTT, Waverly, Kan., White Langshan Specialist, has cockerels and breeding stock for sale. Scored by Judge Emry, Jan. 28, 1905, 93½ to 96%. Eggs, \$2 per 15. 3-3

WHITE LANGSHANS that are white. Eggs from same pen that I breed my winners from. \$1.50 per 15. Jet Morgan, Prairie Depot, Ohio. 3-3

RYAN'S BLACK LANGSHAN—Exclusively farm range eggs for sale, \$2 for 15, from first mating; pen scoring 93 under Judge Lane; others, \$1 for 15. P. F. Ryan, Hammond, Ill. 3-3

MINORCAS.

S. C. BLACK MINORCA EGGS from prize winners, \$1.50 per 13. Mrs. J. C. Wirts, Delavan, Wis. 4-2

S. C. BLACK MINORCAS EXCLUSIVELY—Large, vigorous stock, properly mated. Eggs, 15 \$2. Herman Drees, Warsaw, Ky. 3-3

WHITE MINORCAS in all their purity. Standard bred, great egg producers. If you want the best get prices on eggs. M. L. Armstrong, Smethport, Pa. 4-3

ROUNDS' 'IDEAL BLACK MINORCAS.'—Twelve splendid matings, \$3, 15; \$5, 30; (free range sittings, \$1.00.) Spring Water Poultry Farm, Owensboro, Ky. 4-3

WHITE MINORCAS—At the greatest Chicago Show, ours won 1st, 2nd, 3rd pen, 1st cock, 1st, 2nd, 3rd, 5th cockerel, 1st, 3rd, 4th, 5th pullet, 2nd, 3rd, 4th, 5th hen and 2 silver cups. The Record Trap Nest is positively the best. S. A. McWilliams, 3456 Michigan Ave., Chicago, Ill. 3tf

SINGLE COMB BLACK MINORCAS—Northrup strain. Eggs, \$2 per setting; 2 settings, \$3.50. A good batch guaranteed. I also breed Barred Rocks, Bradley Bros.' strain. B. W. Porter, La Grange, Ill. 3-3

SINGLE COMB BLACK MINORCAS EXCLUSIVELY—Birds win again. Eggs, \$2.50 per 13, \$5 per 30. Circular free. Geo. L. Alban, Adrian, Mich. 3-3

ROSE COMB BLACK MINORCAS EXCLUSIVELY—Northrup-Sutton strain. America's very best. Exhibition and breeding birds a specialty. Satisfaction guaranteed. Eggs for sale. Chas. P. Stevenson, Kilbuck, Ohio. 3-3

SINGLE COMB BLACK MINORCAS EXCLUSIVELY (Northrup strain)—15 eggs, \$1. B. C. Deyo, New Paltz, N. Y. 3-3

ROSE COMB WHITE MINORCAS are a new breed with a great future. Eggs, \$2.50 setting. Circular free. Lewis Hudson, Ellsburg, N. Y. 3-3

BLACK MINORCAS—Northrup strain. Eggs, \$1.50 per 15; \$5 per 100. J. J. Waters, Box H, Sidney, N. Y. 3-3

BEST SINGLE COMB BLACK MINORCA eggs, \$1.25 per setting. Rev. Lewis Richey, Georgetown, Ohio. 3-3

W. W. BROWN breeder of prize winning S. C. B. Minorcas, Northrup strain. Eggs, \$1.50 and \$2 per 15. Springfield, Tenn. 3-3

MY ROSE COMB BLACK MINORCAS won 1st, 4th, 5th pullets, 3d cock, at Chicago Dec. Show. Cockerels for sale. Eggs, \$1.50 per setting. Wm. J. Menke, 713 N. 13th St., Quincy, Ill. 3-3

SINGLE COMB BLACK MINORCAS exclusively. Stock scoring 93½ to 96 by Judge Emry. Eggs, \$1.50 per 15; \$8 per 100. Hens for sale. B. Moenning, Quincy, Ill. 4-3

ROSE COMB BLACK MINORCAS—Bred from Madison Square winners, direct from Campbell. Eggs, \$3 per 15; \$5 per 30. Wm. F. Weinrich, Granite City, Ill. 4-3

S. C. BLACK MINORCAS exclusively, pens headed by 9 and 10 lb. cocks, line bred and standard fowls. Eggs, \$2 per setting. Fertility guaranteed. M. L. Shaffer, 81 W. Pine St., Gloversville, N. Y. 4-3

S. C. WHITE MINORCAS exclusively. C. W. Jerome strain. Eggs at \$1.50 per 15 from pens scoring above 92 points for females, and cock birds scoring 1st, 94%; 2nd, 93. By J. A. Tucker, judge. H. P. Wheeler, Jonesville, Mich. 2-3

FORD'S HIGH-CLASS BLACK MINORCAS. Eggs, first order from any locality, 13, \$1.00; 39, \$2.00. Stock for sale. L. B. Ford, Wades Mill, Ky. 5-3

S. C. BLACK MINORCAS, best egg strain. Eggs, \$2 per 15. R. B. Kerr, Wausau, Wis. 5-1

THEODORE W. KOOP, New Bremen, Ohio, breeder of Single Comb Black Minorcas. Eggs for sale. 5-1

S. C. B. MINORCA EGGS. Champion strain, \$1 for 13 eggs. Peter P. Stekelee, Muskegon, Mich. 5-3

ROSE COMB BLACK MINORCAS—Eggs for hatching from eight choice pens, \$2 per 15; \$3.75 per 30; \$5.00 per 45. Also Barred and Buff Rock eggs same price. Few Minorca cockerels for sale. Jay Dayton, Sodus, Mich. 5-3

ORPINGTONS.

WHITE ORPINGTONS—On 12 entries: at Lockport, Rochester and Auburn I won 6 firsts and 6 seconds; can sell you a fine trio for \$10; you can raise 50 to 80 chicks; it is cheaper than hatching eggs. Eggs from my best pens, \$2. M. Gooding, Brockport, N. Y. 4-2

ORPINGTONS, BUFF, BLACK, WHITE—Why not have the very best obtainable? First cost may be a little more, but you get the stock and blood from the grandest winning strain in America, and from the largest Orpington breeder. Send for forty page illustrated Orpington catalogue, also Mating List describing thirty-two breeding yards and prices of eggs. The blood from the largest winners at New York the past three years are in these yards. Box 56, Willow Brook Farm, Berlin, Conn. 3-3

MOHICAN POULTRY PLANT—Single Comb Buff Orpington eggs. Write for prices and description of mating. E. B. Lybarger, 32 Mack Ave., Shelby, Ohio. 3-3

SINGLE COMB BUFF ORPINGTONS—The famous Whittaker strain; eggs from this pen a matter of correspondence. C. P. Wilson, Waverly, Ill. 3-3

BUFF ORPINGTONS. White Wyandottes, Barred Rocks, R. C. White Leghorns, S. C. Brown Leghorns. Strictly pure bred and winners. Write to me what you want. LaGrange Poultry Farm, LaGrange, Ohio. I. A. Freeman. 1-3

SINGLE COMB BUFF ORPINGTON EGGS that will hatch chicks equal to the best. Several pens mated that are headed by absolutely solid Buff males, with true Orpington shape, full deep bodies, short legs and rich undercolor. They are mated to females that will bring grand results. Eggs, \$3 per 15. Express prepaid. Catalogue giving my winnings, photo of birds, etc., free. Will H. Schadt, Secretary of National Single Comb Buff Orpington Club, Goshen, Ind. 3-3

S. C. BLACK AND BUFF ORPINGTONS—Winners at Chicago, Cincinnati, Louisville and Warsaw. Stock for sale. Buff eggs, \$3; Blacks, \$5. O. A. Bogardus, Box B, Warsaw, Ky. 3-3

ROSE COMB BUFF ORPINGTONS. Rose Comb White Minorcas, Buff Rocks. Get my circular and prices of eggs. B. Wenk, Washington, Ill. 3-3

S. C. BUFF ORPINGTONS—3 pens; Buff Wyandottes, 2 pens, 15 eggs, \$2. S. C. R. I. Reds, 3 pens, 15 eggs, \$1.50. Three best flocks owned by any one man in state. "Phillips" Sunny Side Hill Poultry Yards, Amsterdam, N. Y. 3-05-1yr

SINGLE, ROSE COMB BUFF, Single Comb White Orpingtons. Eggs, \$1.50 per 13. Half price after April. J. W. Eastes, Box D, Galesburg, Ill. 3-3

BUFF ORPINGTONS—Eggs, 10c each from Cook strain. Prize cockerel. A. E. Thomas, Route 12, Galveston, Ind. 3-3

S. C. BLACK AND BUFF ORPINGTON eggs for hatching, direct from my prize winners. C. A. Watling, 36 E. Bayard St., Seneca Falls, N. Y. 3-4

WHITE ORPINGTONS—Fine stock for sale. Eggs, \$2 per 15. Write me, Fred Pilkinton, Portland, Mich. 3-3

ORPINGTONS—Single Comb, Buff, Black, White. The quality that wins; 32 first and other premiums at Cincinnati and Ohio State Shows, 1905. Eggs, \$3; from yards containing imported birds. H. A. DeMand, Oxford, Ohio. 3-3

BUFF ORPINGTONS—S. Comb. My Buffs are Orpingtons in shape, size and color. Stock and eggs for sale. From prize winners. A. C. Hurrell, F. D. 3, Richmond, Ind. 3-3

I WON 42 prizes on 37 entries at four shows this season on my S. C. Buff Orpingtons, including 8 firsts, 9 seconds, and 10 specials. Book orders for eggs now. Circular free. Also S. C. Black and White. Boston Terrace Poultry Plant, Mt. Carmel Center, Conn. 5-3

BUFF AND WHITE ORPINGTONS (Cook's) and Black Langshan eggs, 15 for \$1.50; 25 for \$2. Sent immediately. Forty miles from Chicago. U. Blickensderfer, Ainsworth, Lake County, Ind. 5-1

WHITE ORPINGTONS—Single Comb, winners of all firsts at Ohio State Poultry Association and Dayton Fanciers' Show, defeating the Cincinnati winners; eggs, \$3 setting. I. T. Bryant, Oxford, Ohio. 3-3

BUFF ORPINGTONS—At Southern Wisconsin Show we won First Cock, First and Second Hen; First, Second and Third Cockerels; First, Second, Third and Fourth Pullets; Silver Cup for best pen, and all specials. Can furnish eggs for hatching from females that are standard in weight, rich, golden buff. Males, solid buff, and ideal Orpington type. Three dollars per setting, two for five dollars. R. C. Green, Albion, Wis. 5-1

WHITE ORPINGTONS FOR SALE—As we are going to breed R. I. Reds exclusively we will offer all our White Orpingtons for sale, including our World's Fair winners, at a great bargain. Birds scoring up to 95%. C. N. Hansen, Warsaw, Ky. 5tf

BUFF ORPINGTON EGGS—From excellent birds. \$1.50 setting, 15 eggs. L. B. Moore, Morgan Park, Ill. 5-1

SINGLE COMB BUFF ORPINGTONS exclusively. Prize winners. Bred from imported stock. T. J. Pifer, Palestine, Ill. 5-1

SINGLE COMB BUFF ORPINGTONS—Yards headed by imported cockerel, nephew to first prize cock at New York and Boston, 1903. Write for circular. Fred E. Wright, Box "A", Monmouth, Ill. 5-1

SINGLE COMB BUFF ORPINGTONS—Prize-winning stock. Eggs for sale. L. A. Anderson, Batavia, Ill. 3-3

BREEDER of high class Buff and White Orpingtons; grand in size and shape and color. Eggs from select matings, \$2 per setting. H. M. Keeney, Red Lion, Pa. 3-3

WHITE ORPINGTON HOME—America's largest specialty S. C. White Orpington farm. Eggs, per 15, \$3; 30, \$5. Illustrated and descriptive circular free. Earl L. Cook, Munnsville, N. Y. 3-3

ROSE COMB BUFF ORPINGTONS—First prize pen at Madison Square Garden, 1905. Cock was first cockerel, 1904. His sire was imported from Cook after he won 5 first in England. Pullets hatched from eggs bought of Cook & Sons, \$4 setting. Write for circular. J. W. Andrews, Dover, N. J. 3-3

BUFF AND WHITE ORPINGTONS—Winners at Herald Square; 5 firsts and 3 specials at Auburn. Eggs, \$3 to \$5. Irving Crocker, Seneca Falls, N. Y. 3-3

WHITE ORPINGTONS—Imported direct from Wm. Cook in 1903. Pure white, large size, correct Orpington type and prolific layers. Eggs, \$2.50 per 15; \$4.50 per 30. O. Keller, Winamac, Ind. 4-3

RHODE ISLAND REDS.

ROSE COMB RHODE ISLAND REDS. Choice stock. Eggs for sale, \$2 per setting. Chas. Hawn, 169 Cochran St., Blue Island, Ill. 4-3

SINGLE COMB REDS. Eggs, \$2 per 13 from my pen, headed by a "Hansen" prize winning cockerel. Extra quality. Harry R. Crane, Modesto, Ill. 4-3

S. C. R. I. REDS on two entries at Chicago won first and second pullet, and on five entries at Danville, Ill., won first cockerel; first, second and third pullet. Eggs, \$2.00 per 15. F. M. Maloué, Cayuga, Ind. 5-3

ROSE COMB RHODE ISLAND REDS—Exclusively. Winners at Madison Square Garden and Herald Square, New York; Newark, Trenton, Atlantic City, N. J. Eggs for hatching. Send for circular. Louis Anderson, Bloomsbury, N. J. 5-2

ROSE COMB RHODE ISLAND REDS—Good thoroughbred stock. Choice eggs, \$1.50 per 15. Extra special rates by the 100. Edison Collie and Poultry Farm, Edison, Ill. 4-3

DON'T GUESS—Get genuine Rhode Island Reds—a mortgage-lifting certainty. Eggs, \$2 for 13, \$5 for 40. Finely illustrated circular. Drisko Farm, Addison, Me. 4-3

CLARK FARM, Concord, Mass.—High scoring, utility bred stock at low prices; also eggs for hatching and young chickens. Write for circular. 3-3

EGGS from four standard bred Rose Comb Rhode Island Reds, Buff Plymouth Rocks, Golden and White Wyandottes. Eggs in season. \$1.25 for 13, \$2.00, 26. Aug. Klammer, Chaska, Minn. 3-3

19 FIRST PRIZES at Chicago and Detroit proves our Rose Comb Reds unsurpassed. Eggs, \$2 per 15. Taylor & Woodruff, 2333 Stone St., Port Huron, Mich. 3-3

15 EGGS \$2—From Reds winning at Detroit, Toledo, Ft. Wayne. Free circular. Dr. Geo. Benton, Cambria, Mich. 3-3

SINGLE COMB Rhode Island Red cockerels from best stock obtainable, \$2 up. Satisfaction guaranteed. F. M. Maloué, Cayuga, Ind. 12-3

RHODE ISLAND RED Rose and Single Comb Partridge Wyandottes. Special mated eggs, \$1.25 per 15. Circular. Standard Club members. Incubator eggs. Before placing order, write us. Rhode Island Red Poultry Farm Co., Malden, Mass. Mention A. P. J. 1-8

RHODE ISLAND REDS—Eggs, per setting, \$2. Address Alfred Lord, 52 Greenwald St., Blue Island, Ill. 3-3

ROSE COMB R. I. REDS—Tuttle strain, eggs \$1.50 per 15. D. F. Valentine, Ft. Wayne, Ind. 3-3

"AYER'S" RHODE ISLAND REDS. Eggs from high scoring birds. Book your orders now. A. H. Ayer, Palmsville, O. 3-3

REDS—Unsurpassed early layers. For seven years winners in New England's biggest shows. Eggs, \$1.25 setting; three settings, \$3. W. P. Westou, Hancock, N. H. 3-3

HANSEN'S RHODE ISLAND REDS—The world's champion prize winners and egg producers. Won more cash prizes and more special prizes at the World's Fair than any others exhibited. At Madison Square Garden, N. Y., January, 1905, won 1st cock, 1st hen, 1st cockerel, 1st pullet and three specials for color and shape on 4 entries. Eggs, \$3 and \$5 per 15 eggs. C. M. Hansen, Warsaw, Ky. 3-3

CONN'S AMERICAN BEAUTY STRAIN ROSE COMB REDS—First prize winners at Detroit, Toledo and Chicago, 1905. Send for circular. L. L. Conn, Durand, Mich. 3-3

R. I. REDS, BUFF ROCKS AND WHITE WYANDOTTES—Eggs, \$1 per 15. Meadow Brook Poultry Farm, Perkassie, Pa. 3-3

64 REGULAR AND 10 SPECIAL PRIZES on 70 entries at National Shows. Utility bred, too. Get our circular before buying elsewhere. Satisfaction guaranteed. Scheibel & Fox, Box H, Hollisterville, Pa. 3-3

WE HAVE WON more first prizes in strong competition than any other breeder of Reds. Send for circular of winnings. Stafford Bros., Fall River, Mass. 3-4

RADDIN'S SINGLE COMB RHODE ISLAND REDS win and give satisfaction from Maine to California. Catalogue with half-tons from life free. Eggs, 15, \$1; exhibition matings, 15, \$2; 45, \$5. J. Arthur Raddin, Chittendale, Mass. 3-3

BUCKEYE REDS.

BUCKEYE REDS—Pea Comb Buckeyes are the largest, darkest Reds. Best layers. Book-let free. Red Feather Farm, Warren, Ohio. 3-5

RED CAPS.

EGGS—From English Red Caps; also from Wild Black Ducks and Pekins. T. M. Stevens, Pennellville, N. Y. 4-3

AMERICAN REDS.

ROYAL RUBY STRAIN AMERICAN REDS—Send for circular of winnings, matings and stock. Go. Bachman, Tannersville, N. Y. 2-4

SPANISH.

WHITE FACED BLACK SPANISH—Eggs from selected stock, 15 for \$1. Adeline Harnden, Water Valley, Ark. 4-3

WHITE FACE BLACK SPANISH—Best layers on earth; young stock for sale; eggs, \$1.50 per 15. J. T. Adams, Richmond, Mich. 3-3

HAMBURGS.

SILVER SPANGLED HAMBURGS AND BUFF WYANDOTTES—First hen, pullet and cockerel, Chicago; four first, Dubuque; sweepstakes \$15, Elgin. Stock sale. Eggs, \$2. Alexander Thoms, Elgin, Ill. 3-3

SILVER SPANGLED HAMBURG eggs from large egg strains, \$2 per 15. J. E. Armstrong, 10638 Prospect Ave., Chicago. 3-3

GOLDEN SPANGLED HAMBURG eggs for sale in season at \$2 per doz. Send stamp for reply. D. J. Evans, Venedocia, O. 3-3

SILVER SPANGLED HAMBURGS—Eggs from five grand pens. Write for mating sheet. Earle Wilson, Salem, N. Y. 3-3

SILVER SPANGLED HAMBURGS—Superfine, everlasting layers. Eggs, 15, \$2; 30, \$5. No stock. Will L. Clark, Sullivan, Ohio. 4-3

SILVER SPANGLED HAMBURGS—Won at every show season 1904. Eggs per sitting, \$2. Ed. Evans, Nelsonville, O. 4-3

HAMBURGS, SILVER AND BLACK—Sometimes called the egg laying machines. Eggs from yards headed by New York winners. \$1.50 per sitting. Exmoor Farms, Lebanon, Pa. 4-tf

HOUDANS.

HOUDANS—Winners at big shows, strongest competition. Exceptionally fine pen, scores 923 to 95. L. C. Knorr, Detroit, Mich. 3-3

HOUDANS—Choice stock for sale. Eggs, \$1.00 per 15. Write. Fred Pilkinton, Portland, Mich. 3-3

HOUDAN & S. C. W. LEGHORN EGGS—\$1 and \$1.50 per 15. Bred to win and lay, and do it. Oscar E. Henning, Wahoo, Neb. 4-3

STANDARD BRED HOUDANS—WINNERS wherever shown—two pens mated up, containing World's Fair winners, 1904—1st, 3d and two 5ths; four 1sts in Missouri, and 1st, 2nd and 3rd Chicago, 1905. Eggs, \$3.50 per 15. Fred Graf, 16 N. 4th St., St. Louis, Mo. 3-3

ANDALUSIANS.

BLUE ANDALUSIANS—America's best. Circular free if you mention this paper. Ray Poultry Yards, Franklin Park, Ill. 3-3

HIGH CLASS BLUE ANDALUSIANS—Choice stock for sale. Eggs, best pen, \$3 per 15; other pens, \$2 per 15. Circular. E. A. Parks, 160 Brighton Ave., Syracuse, N. Y. 3-3

ANDALUSIANS—Not too late to hatch them. I hatched several winners last July. Show record and mating list free. L. C. Taylor, Gibsonburg, Ohio. 5-3

ANCONAS.

ANCONAS—Excellent layers, winners at World's Fair, New York and Chicago. Circular. Henry Scheyer, Lake View, N. Y. 3-3

MOTTLED ANCONAS—The great layers. Eggs from choice breeding stock with unlimited range, \$1 per 15; \$5.00 per 100. Mrs. Adaline R. Gosler, Matfield Green, Kan. 3-3

KLONDIKES.

FINE STOCK EGGS FOR SALE—Catalogue free. Klondike Poultry Yards, Maple Park, Ill. 4-3

FAVEROLLES.

SALMON FAVEROLLES—The perfect utility fowl. Sure to become very popular when better known. Imported stock. Winners New York, 1905. Circular free. "Wiseacres," Croton-on-Hudson, N. Y. 5-1

POLISH.

WHITE CRESTED BLACK POLISH EGGS that will hatch, from St. Louis World's Fair prize winning stock, \$3.00 per setting; two for \$5.00. Circular free. Geo. W. Trent, Ravenswood, Ill. 5-1

GAMES.

PIT GAMES—See ad, page 263. V. C. Haskell, Zanesville, O. 3-tf

RED PYLE AND BLACK BREASTED RED—Show winners. Eggs, \$2. Circular free. Frank West, Darlington, Wis. 4-3

ONE HUNDRED PERCENT better than ever. Eggs \$1 per 13. Heathwoods, Irish Blk. Reds, Tornadoes, Irish Grays. Cornish Indians, \$2. White Indians, \$3. Circular free; fowls all times. C. D. Smith, Fort Plain, N. Y. 2-5

WORLD'S FAIR WINNERS in Pit Games. Exhibition Game Birds and Eggs for sale. Wesley Lanus, Greensburg, Ind. 5-3

INDIAN GAMES.

CORNISH INDIANS—Eggs from five pens of choice matings, \$2. Wm. Yeager, Napoleon, Ohio. 5-1

CORNISH AND WHITE INDIANS—Boston, New York, Chicago and World's Fair winners. Stock for sale. Eggs, \$5 per setting. W. S. Templeton, Box A, Dakota, Ill. 3-3

VICTOR CORNISH INDIANS—World's Fair, Chicago, Milwaukee, Grand Rapids, Oshkosh. Winners. Eggs, 15, \$3; 30, \$5. H. A. Huey, Casnovia, Mich. 3-3

CORNISH INDIAN GAMES—We have bought the entire stock of Bicknell and Whiting eggs from special matings of these celebrated birds, headed by males that have never been defeated in a show. \$3 per sitting. Exmoor Farms, Lebanon, Pa. 4-tf

CORNISH INDIAN GAMES—Best strain; 15 eggs, \$1.50. Write for prices on stock. Ralph Yackel, Junius, N. Y. 3-3

CORNISH INDIAN GAMES—Bred to weigh and lay. No stock. Eggs, \$1.50 and \$3 per 15. Write your wants. Ralph Reider, Middleton, Pa. 4-3

BANTAMS.

WON MORE FIRST prize Pan-American on Golden and Silver Sebrights than all my competitors combined. Buff, Black and Partridge Cochins bred to win. Eggs, \$3. Clyde Proper, Schoharie, N. Y. 4-6

BUFF, WHITE AND BLACK COCHIN BANTAMS. Related to Madison Square winners. Choice stock and eggs for sale. Brighton Stock Farm, 110 West Newell Street, Syracuse, N. Y. See adv. of Pheasants. 5-1

BLACK COCHIN BANTAMS—Madison and Herald Sq. winners. Eggs, \$3 per 13. Dr. Litzenger, Orefield, Pa. 3-3

WHITE COCHIN BANTAMS—Eggs from prize winners at \$1 per sitting. Jos. H. Gochnauer, Jr., Landisville, Pa. 4-3

GAME BANTAMS—See ad, page 263. V. C. Haskell Zanesville, O. 3-1f

PHEASANTS.

ENGLISH RING-NECK PHEASANTS—Choice stock and eggs for sale. Brighton Stock Farm, 110 West Newell Street, Syracuse, N. Y. See adv. of Bantams. 5-1

PHEASANTS—100 Golden Pheasants, \$8.50 per pair. Other varieties cheap. Eggs in season. 40 Peafowl, \$11 pair, 1,000 Homers, 95 cents pair. Ferd Sndow, Hyde Park, N. Y. 1-6

ENGLISH AND GOLDEN EGGS. Blood and beauty unsurpassed. Breeding from last year's imports. Two complete treatises on rearing with each order. Stamp. R. Kistler, Delaware Water Gap, Pa. 4-3

DORKINGS.

I HAVE FEW choice Silver Gray Dorking cockerels for sale; imported stock and prize winners. Eggs, 13 for \$2. J. Brough Jones, Venedocia, Ohio. 3-3

ORNAMENTAL.

ORNAMENTAL LONG-TAILED Japanese Phoenix Fowls. Cock's tail 3 to 4 feet long; saddle feathers, 18 inches. Good layers. Eggs, \$3 per setting. Stamp for illustrated booklet. S. G. Egger, Rural, Lewisville, O. 4-3

SEVERAL BREEDS.

FOR SALE—Eggs, from my Chicago winners, White Rocks, Barred Rocks, White Wyandottes, Silver Wyandottes. Send for catalogue, price and winnings. Ames Orr, Dwight, Ill. 4-3

LIGHT BRAHMA AND PEKIN DUCKS. Having greatly improved my stock the past year, I offer a few fowls for sale; eggs for hatching; my ducks have the use of a fine stream which greatly adds to the fertility of eggs; \$1 per setting, \$1.75 per two settings; special figures for large orders. Mrs. O. W. Mack, Light Brahma and Pekin Duck Farm, Brodhead, Wis. 4-3

HOMESTEAD POULTRY FARM. Eggs for hatching of pure bred poultry at \$1.75 per 15 eggs of Buff and Partridge Cochins, Buff and White Plymouth Rocks, Buff Wyandottes, Black Minorcas and Light Brahmas. Amos Cooper, Prop., Landisville, Pa. 4-3

HOMESTEAD POULTRY FARM. Eggs for hatching of pure bred poultry at \$1.00 per 15 eggs of Buff and Partridge Cochins, Buff and White Plymouth Rocks, Buff Wyandottes, Black Minorcas and Light Brahmas. Amos Cooper, Prop., Landisville, Pa. 4-3

20 EGGS \$1.00, BARRED ROCKS, S. C. B. Leghorns, Thompson Bright strain. Excellent layers. Mrs. H. L. Jones, Montezuma, Ia. 5-1

BARRED ROCKS, S. C. W. Leghorns and Pekin Ducks. Birds are bred from prize winners; eggs, \$1 per setting. Circular free. Chas. Spangler, Kentland, Ind. 5-1

EGGS. Buff Wyandotte, from high scoring birds, and Barred Rocks. Hawkins & Thompson strain, \$1.50 per 15. Mrs. H. C. Terry, Jerseyville, Ill. 5-3

ROSE COMB REDS. Eggs, \$1.50 per 15. Single Comb Brown Leghorns, eggs, \$1.00 per 15. E. B. Davis, Perry, Mich. 5-1

DOUGHERTY'S BARRED ROCKS have the size, shape and harring. Eggs, selected pens, \$2.00 per 15; farm run, \$1.00. White Wyandottes, \$1.50 per 15. Jas. F. Dougherty, "The Chicken Man," Rocktown, Ill. 5-3

SINGLE COMB BUFF LEGHORNS. Also White Wyandottes. Eggs, 15, \$1.50. Wm. E. Penick, Wooster, Ohio. 5-1

MR. and MRS. HENRY SHRADER, breeders of. W. Embden Geese, W. H. Turkeys, W. Pekin Ducks, White P. Rocks, Black Langshans. Eggs and stock in season. Wauneta, Kan. 5-3

POULTRY BOOK ON APPROVAL—Our new 128-page poultry book sent on 10 days' approval. Send 4c in stamps to pay postage. If the book is not what you want you can return it. Send today. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

WHITE ROCKS AND PEKIN DUCKS EXCLUSIVELY—Fishes and Shaw's strain. Eggs, \$2 per setting. Mrs. Frank Bercaw, Paris, Ill. Route 5. 4-3

EGGS—Guaranteed fertile, Single White Leghorns. Best pens. \$2 per 15; 100, \$5; White Wyandottes, \$2 per setting. Annie Stewart, Cantril, Iowa. 4-3

MAPLE VILLA POULTRY YARDS—Buff, White and Barred Plymouth Rocks; Rose and Single Comb Brown and White Leghorns; Silver Hamburgs; Rose Blue Andalusians; Golden and White Wyandottes and Black Minorcas. Eggs, \$1.50 per 15; \$2.50 per 30; \$4 per 50; \$6 per 100. W. G. Mosher, Sylvania, Pa. 3-3

TO ADVERTISE MY BREEDS will sell eggs at 75c per 13. White Wyandottes, White and Barred Rocks, Fishels & Bradley strain; Black Minorcas, Trethaway strain. C. L. Yerger, Douglassville, Pa. 3-3

EGGS FOR HATCHING—S. C. Brown Leghorns (Witman strain) 15. 75c; 30, \$1.40; 100, \$4. White Wyandottes (Duston strain), 15, \$1.25; 30, \$2. S. R. McCulloch, Box D, Donnellson, Ill. 4-3

PRIZE WINNING HOUDANS—Cornish Games, White Wyandottes and Blue Andalusians. Eggs, \$1.50 for 15. G. H. Schackmann, Newton, Ill. 4-3

SILVER WYANDOTTES—Sixteen years' careful selection. Light Brahmas Felch Gold Coin and Shaw strains. Large bred to lay birds. B. B. P. Rocks, high scoring bred to lay strain. S. C. White Leghorn, hardy 200 egg strain. Eggs, \$1 per 15. Mrs. H. D. Scofield, Crisman, Ind. 4-3

EGGS FOR HATCHING from 17 breeds pure bred geese, ducks, turkeys, guineas and chickens. Stamp for circular. Ambrose Rieff, St. Peter, Minn. 4-3

EGGS FOR HATCHING—Barred Plymouth Rocks, White Wyandottes, S. Comb Brown Leghorns. On last I won 1st and 3rd and two specials at Delavan, 1905. First pens, \$1.50 per 15; Farm Range, \$1 per 15; \$4 per hundred. Satisfaction guaranteed. Collie pups by Imported Braebourne Masterpiece. Maple Grove Kennels, Edward Thomas, Elkhorn, Wis. 4-3

HOUDANS, BLUE ANDALUSIANS, ROSE Comb Buff, S. C. Brown and White Leghorns, 15 eggs, \$1. Some nice Houdan cockerel for sale. Teresa Alsterlund, 4260 Morton St., Rogers Park, Ill. 4-3

EGGS from scored birds, \$1.50 per 15. Buff, White Rocks and White Wyandottes. Peters Bros., Caledonia, Ill. 4-3

SIXTY-FOUR VARIETIES POULTRY—Pigeons, Hares. Cut prices on eggs for hatching from best stock in country. Stock for sale. Colored, illustrated \$5 guide book, 10c. Catalogue free. H. D. Roth, Franconia, Pa. 4-3

EGGS—Black and Buff Leghorns; imported stock. Black Minorcas. Northrup strain. Black African Bantams. Scores 93 to 95%. Wittelsberger & Son, 332 Twentieth St., Detroit, Mich. 3-3

SIXTY-SIX PREMIUMS AT ONE SHOW—Twenty varieties. Orpingtons, Wyandottes, Rocks, Leghorns, Langshans, Cochins, Brahmas, Ducks, Geese, Turkeys. Eggs, \$1.50 and \$2 setting. Infertile eggs replaced free. Enterprise Poultry Farm, Watertown, S. D. 3-3

OAK GROVE POULTRY YARDS breeds White and Silver Laced Wyandottes, Black Langshans, Mammoth Bronze Turkeys. Eggs for sale. Show record never been equaled. Circular free. E. B. Barnett & Son, Michigantown, Ind. 3-3

20 EGGS, \$1—Reds, Rocks, Wyandottes, Leghorns, Hamburgs, etc.; 30 other varieties. All Pigeons, Ferrets, Hares, etc. List free. A. L. Bergey, Telford, Pa. 3-3

FOR SALE—Eggs from fancy Buff Plymouth Rocks and Silver Mine Wyandottes. Eggs, \$1.50 per 15. George J. Seifert, Mt. Vernon, Ind., Route 3. 3-3

WHITE AND BARRED ROCKS, White and Brown Rose Comb Leghorns, White Wyandottes, Cornish Indian Games, Spangled Hamburgs, Mammoth Bronze Turkeys. Stock and eggs for sale. State your wants. T. J. Mawhorter, Wawaka, Ind. 3-3

SINGLE COMB WHITE LEGHORN, BUFF ROCK, eggs and stock. Winners at Warren, Lima, Cambridge, Columbus, New Philadelphia, Ohio. Circular free. F. S. Hawn, Box 164, Youngstown, Ohio. 3-3

ROSE COMB WHITE LEGHORNS AND CORNISH INDIAN eggs for hatching, strout, fertile. \$1.50 per 15. Ingelside Poultry Farm, Westfield, Ind. 3-3

THIRTY VARIETIES CHICKENS, TURKEYS, DUCKS, GEENSE. Stock and eggs. Price list free. 4,000 prizes won. Fox Terriers. T. N. Smiley & Son, Milligan, Ind. 3-3

EGGS FOR HATCHING from prize winning White Wyandottes, Buff Rocks and Bronze Turkeys. Stock for sale. Samuel Elkins, Dillman, Ind. 3-3

WINNERS OF FIRST AT MADISON SQUARE are sires and grand-sires of ¾ of my White Leghorns and Wyandottes. Absolutely white eggs, \$1.50 and \$2.00. James Hallenbeck, Altamont, N. Y. 3-3

EGGS FROM WHITE-HOLLAND TURKEYS, scoring 96 to 97½ points; high scoring Barred P. Rocks and White Wyandottes. A few White Hollands left. Satisfaction guaranteed. Geo. N. Yeager, R. R. 19, Owensville, Ind. 3-3

PURE BRED CHICKENS—12 varieties. Eggs and fowls for sale. Mrs. Nimby Larkin, Mankato, Minn. 3-3

TWENTY VARIETIES of thoroughbred poultry, all leading strains. Descriptive catalogue free. C. J. Piester, Ancram, N. Y. 4-3

EGGS—Sherwoods, Buff Rocks, White Wyandotte, Partridge Wyandotte. Winners at 10 shows 1904. Best layers. Your money's worth. H. B. Scrannage, R. 4, Grafton, W. Va. 3-3

GET THE BEST—Houdans, American Dominiques, Buckeye Reds, Silver, Golden and White Wyandottes; Buff, White and Barred Plymouth Rocks, White, Buff and Brown Leghorns; Buff and Partridge White Cochins, Light Brahmas, etc. Eggs, \$2 per 13; \$3.50 per 26. Fine illustrated catalogue free. Address John M. Wise, Freeport, Ill. Established 1875. 3-3

EGGS FROM BEST STRAINS—Barred and White Plymouth Rocks, Buff Leghorns, \$1.50 per 15. Imperial Pekin Ducks, \$2 for 12. E. M. Ashley, Ridgway, Ill. 3-3

BOEHM'S S. C. B. LEGHORNS and B. P. ROCKS—Eggs and stock at reasonable prices. Friends inquire. Mahorney Poultry Yard, Route 5, Deafance, O. 3-3

WHITE WYANDOTTE, Duston strain, and Partridge Cogh Eggs for hatching. Pen 1, \$1.50 per 15; 2, \$1.00. George W. Biddle, Wauseon, Ohio. 3-3

BROILER EGGS—White Wyandotte and White Leghorn, \$3.00 per 100. Forest Hill Farm, Burnwood, N. Y. 3-3

CHOICE EGGS FOR HATCHING—Emhden Geese, White Holland Turkeys, White Guineas. Meing J. Heath, Jeffersonville, Ohio. 3-3

HOWARTH COURT, ANDOVER, MASS.—Single Comb Buff Orpingtons, imported stock. Rose Comb, White Leghorns. Winners wherever shown. Boston, Plymouth, Brockton, Wakefield, Single Comb, Rhode Island Reds, Barred Plymouth Rocks. Eggs for hatching. Stock for sale. Alexander Brown. 3-3

EGGS, \$1.00 per 15; \$2.00 per 40. From Brahmas, Rocks, Wyandottes, Leghorns, 13 varieties. Toulouse Geese eggs, 25c. Catalogue. S. G. Bealer, Coopersburg, Pa. 3-3

SHADY LAWN POULTRY FARM—Eggs for hatching from 16 varieties. Fine quality Rocks, Langshans, Wyandottes, Leghorns, Hamburgs, Guineas, Turkeys, Ducks, Geese. Catalogue free. B. F. Kahler, Hughesville, Pa. 3-3

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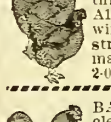
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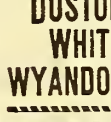
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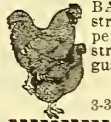
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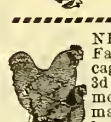
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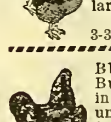
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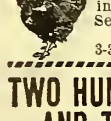
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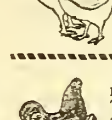
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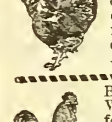
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on Partridge Cochins won at Chicago Show, 1st cock, 1st, 2d, 3d, 4th hens, 2d cockerel, 1st, 2d, 3d pullets. A few choice cockerels for sale, \$1.50 to \$5.00. Fifteen eggs \$1 to \$2. Write your wants.



SINGLE COMB WHITE LEG-horns, large, healthy stock, bred for business. Won at Corfu, N. Y., show, Dec. 5 to 7, 1904, on 4 entries, 1 cock, 3 hens, tied on 3 pul. in class of over 90. Eggs for hatching \$1 per 15, \$4 per 100. **BERT W. HAWLEY,** 2-05-1-yr Pearl Creek, N. Y.



EGGS \$1 PER 15 FROM HIGH SCORING Light Brahmas, Barred Plymouth Rocks and Silver Laced Wyandottes. Our birds have good size, shape and markings, and are mated for best results. Circular free.
DOW BROS. 4-3 Stockport, Iowa



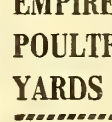
EXHIBITION BLACK BREASTED RED GAMES
64 entries, 57 prizes at the big Chicago Show and elsewhere. Also Barred P. Rocks and exhibition B. B. R. Game Bantams. Stock and eggs for sale. Circular free.
H. D. SCHREITER, Darlington, Wis.



EMPIRE POULTRY YARDS
N. D. YOUNG, PROP., FORT Plain, N. Y. Prices for May and June. Cornish Indians, B. B. Reds and Spangle Games, White Games; eggs \$1.50 per 15. Also S. C. B. Leghorns, Houdans and Red Pyle Bantams; eggs \$1 per 15. If you want winners give me a trial.
5-1



SINGLE COMB B. MINORCAS (Northrup Strain). Eggs for hatching \$2 per 15, \$3.50 per 30; good hatch guaranteed. No stock for sale before November 1.
ALWIN METZ, 115 Curtis St. 5-05-1-yr Rochester, N. Y.



CUT PRICES ON ALL LEADING varieties poultry, eggs, pigeons, hares, canaries, guinea, pheasants, etc. Finest catalogue worth dollars mailed for 5c., or write your wants, I can please you. Common pigeons wanted.
P. G. SHELLY 4-05-1-yr Box C, Florin, Pa.

Silver Penciled and Columbian Wyandottes

Silver penciled Wyandotte EGGS from best matings \$3 per 15, \$5 per 30, and \$7 per 45. Columbian eggs from pen headed by 3d World's Fair and 1st Detroit chl \$3 straight. Circulars.

H. H. & E. M. Coburn, Memphis, Mich.

White Orpingtons, Buff Orpingtons, Ermine Faverolles, Salmon Faverolles

Send for list of their winnings, also for "What is a Faverolles?" They are free.

J. H. SYMONDS, Importer and Breeder
METUCHEN, N. J.

1868 Nettleton's Lt. Brahmas 1905

Have the best lot of youngsters this season as to size, shape and color I ever raised, all line-bred. My Brahmas have won the blue at many exhibitions. A few grand breeding cocks for sale. Prices right, satisfaction given. A few White Cochins, grand birds, for sale. Write for particulars.

C. P. NETTLETON Box 159, Shelton, Conn

Originator **EMMEL'S** "Gibraltar Victor" Strain

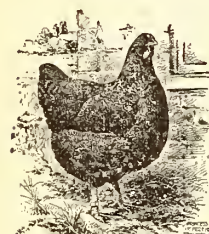
Light Brahmas, S. C. Buff Orpingtons and S. C. Brown Leghorns.

First prize winners wherever shown. Exhibition matings, \$4 per 13; other matings \$2.50 per 13, \$4 per 30, \$8 per 100

H. A. EMMEL, Box R 31, Mars, Pa.
Expert Poultry Judge.
Light Brahma eggs \$4 per 13 straight.

HADAWAY'S

Partridge Wyandottes



are the champions of America. winners of the 100 championship cup, the \$75 breeders' cup, and more than one-third of all regular prizes at the largest exhibit of this breed ever held in the world. Send for catalogue telling all about them. Eggs \$5 per 15, 8 per 30, \$10 per 45.

J. B. HADAWAY
696 N. Main St., Brockton, Mass.

First Hen, New York, 1904

Poultry Printing
Many eggs are hatched during the sunny days in May. A little help in introducing yours through attractive business cards is well worth the trouble. Cost but 60c per 100, \$1 per 250 postpaid. Samples 2c. B. P. Rock and S. C. W. Leghorns eggs, \$2 per 13. JOHN ENGLE, Jr., 90 Komoru St., Newark, N. J.

ORR'S WYANDOTTES ORPINGTONS

All the standard varieties of both breeds. We could not compete for World's Fair prizes,

being superintendent of poultry there; but our display pen with one hen of each of our ten varieties attracted much attention.

Eggs For Hatching Our Specialty
Twenty-two years' experience has secured us the confidence of customers in every state. Booklet free. Name your variety.

Orr's Lice Killer is Best, \$1 per Gal.

T. E. ORR, Box 807, Beaver, Pa.

SHOEMAKER'S BOOK on POULTRY



and almanac for 1905, contains 224 pages, with many fine colored plates of fowls true to life. It tells all about chickens, their care, diseases and remedies. All about INCUBATORS and how to operate them. All about poultry houses and how to build them. It's really an encyclopedia of chicken-dom. You need it. Price only 15c.

C. C. SHOEMAKER, Box 911, FREEPORT, ILL.

THE HEAVY LAYING KIND of S. C. Black Minorcas, S. C. White Leghorns and Barred Plymouth Rocks that can win. Young stock at prices that are tempting to the egg farmer or the fancier—quality that will please all. No other concern ever offered our quality at our prices. To introduce our stock we offer special prices on eggs for hatching season, 1905, viz.: 13 for \$1, 30 for \$3, 100 for \$5. We guarantee every egg to be from our best, carefully selected exhibition matings of line-bred, standard stock. Have your egg orders booked now; \$1 down, balance when shipped. Don't miss our bargain sale on cockerels; they will do you good.

Otter Creek Poultry Farm Co., Watertown, N. Y.

WHEN
EGGS
ARE
HIGH

CUT ALFALFA HAY

fed in winter furnishes those same elements which make hens lay in summer. It will increase the egg supply when eggs are high. That's why it pays so well to feed it in winter. In summer the hens can get egg-forming elements in green feed and by scratching. Help the hen and she'll help you. Our Free Catalogue will help you save money on anything in the poultry line.

Harvey Seed Co., 30 Ellicott Street, Buffalo, N. Y.

WILL
INCREASE
THE
SUPPLY

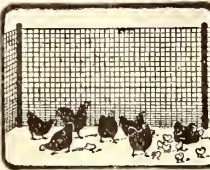
Vass' Buff Orpingtons

are still winning at large shows. At World's Fair won 1st and 3d hens, 4th cockerel and 7th pullet. At Madison Square Garden, N. Y., 1905, 1st class of 39 cockerels won 2d chl., defeating the originator and 1st prize chl. at first International Alexander Palace Show, London, and was purchased and sent to America at cost of \$750. Have grand lot of breeding stock to offer in Single and Rose Comb Buffs; four trios of White Orpingtons; three chls. Black Orpingtons and Partridge Wyandottes. Eggs for hatching at all times. Write for prices. Circular free.

C. E. VASS

Washington, N. J.

Union Lock Poultry Fencing



As it Looks When Erected.

Factory Net Price List.

Regular. 19 & 20 Wire.	Extra Heavy No. 17 Wire.
24 inch per rod, \$.28	24 inch, \$.48
36 " " " .35	36 " " .59
48 " " " .42	48 " " .70
60 " " " .48	60 " " .85
72 " " " .54	72 " " .93
84 " " " .60	84 " " 1.00

This fence is put up in 10 and 20 rod rolls. We accept orders for any number of rods or rolls, and pay freight on orders for \$10. or over almost everywhere. We have poultry yard gates covered with this fence. They open both ways; are very convenient, durable and sightly. Price list free. For more than five years we have been selling Union Lock Poultry and Field Fence to farmers and poultrymen. They prize it for many reasons. It is

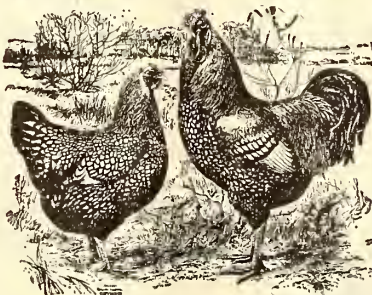
The Fence That Does Not Sag.

It stretches perfectly and fits uneven ground. It is easily erected. Its horizontal cable wires make it strong enough to turn all stock, while its 1 1/4 inch meshing at the bottom keeps in the little chicks. Extremes of heat and cold do not affect it, it adjusts for all temperatures. It is sold at farmers' prices.

WE MAKE PROMPT SHIPMENTS. For this purpose we maintain mills in both Connecticut and Illinois. We ship from nearest mill. Send in your order now and be ready for an early spring. Catalog of Farm, Poultry and Lawn fence free. Write for it.

CASE BROTHERS, 44 MAIN STREET, COLCHESTER, CONNECTICUT.

DO YOU KNOW HUMMEL?



If not you had better get acquainted. I have bred and exhibited fancy poultry for 14 years and have shipped eggs and stock to every nook and corner in the world. I can boast of having as many pleased customers as any breeder in the U. S. My breeding stock scores 90 to 96 points. Eggs from these pens will certainly produce prize winners.

EGGS

\$1.50 per 13, \$2.50 per 26, \$5 per 65.

I replace broken eggs free of charge. Order direct from this advertisement

I BREED:

Dark Brahmas, Light Brahmas
Barred Plymouth Rocks,
White Plymouth Rocks,
Buff Plymouth Rocks,
Golden Wyandottes,
Silver Laced Wyandottes,
White Wyandottes,
W. C. B. Polish,
Partridge Cochins,

Buff Cochins, White Cochins,
Black Langshaus,
Black Minorcas,
Single Comb White Leghorns,
Single Comb Brown Leghorns,
Houdans, S. S. Hamburgs,
Rhode Island Reds,
B. B. Red Games,
Dominiques, Red Caps,

Golden Polish,
Rose Comb White Leghorns,
Rose Comb Brown Leghorns,
White Face Black Spanish,
Buff Leghorns,
Cornish Indian Games,
B. Cochins Bantams,
Black Javas, Mottled Javas,
White Minorcas,

**Mammoth Bronze Turkeys,
White Holland Turkeys,
Toulouse Geese,**

1 sitting, \$2.50; 2 sittings \$4.50

Pekin and Rouen Ducks. \$1.50 per 11; \$2.50 per 22.

HUMMEL'S INSECT POWDER, the best in the World. Price list free. All correspondence receives prompt and personal attention. If you have never dealt with me, I want your orders this season, and will endeavor to treat you right and hold your patronage. Large circular free.

S. A. HUMMEL,

Box 52, Freeport, Ill.

My Royal Buff Orpingtons

are now installed in their new home on Spring Hill Poultry Farm, where I will devote my best efforts to add to the laurels already won. Remember I ship on approval and absolutely guarantee satisfaction. EGGS \$5 per fifteen.

CHAS. BENINGTON,

Edmeston, Otsego Co., N. Y.

YOU CAN PROFIT

by the fine weather we had this spring. I have set all the eggs I care to, and on account of the good fertility of eggs have really more chicks than I intended to raise. In order to give you an opportunity to secure first-class eggs cheap I have cut the price in two, and for the balance of the season will sell eggs from my Buff Wyandottes and Ply. Rocks at \$1 per 15. Order direct from this ad and thus save two or three days' time. I have the eggs.

F. W. OWENS

Richwood, Ohio

We Will Sell Eggs

at \$1.50 per 15, or \$8 per 100. Also fine stock of Light Brahmas, Langshans, Buff Cochins, Partridge Cochins Single and Rose Comb R. I. Reds, S. C. Brown, Buff and White Leghorns, Minorcas, S. S. Hamburgs, B. B. Red Games, Pekin Ducks. 583 regular prizes bear witness of quality.

B. S. BECKINGTON,

Box B, Garden Prairie, Ill.

Granger Poultry Farm

S. C. Buff and White Orpingtons
and Buff Leghorns

Eggs from imported and prize winning matings. Mating list giving prices and descriptions. Please write me stating wants.

F. A. CROWELL

Granger, Minn.

"Away Down South in Dixie"

Eggs by the sittings or by the hundred from White Wyandottes, White Plymouth Rocks, S. C. White Leghorns, S. C. Black Minorcas, S. C. Buff Leghorns, R. C. B. Leghorns and Cornish Indian Games. Stock for sale at all times. Prices on eggs: Utility matings \$1.50 for 15; exhibition matings, \$2.50 for 15; special matings, \$5 for 15. Incubator eggs per 100 \$5.

Cherry Hill Poultry Farm H. W. BLANKS, Prop., Columbia, La.

Barred Rocks

Line-bred for heavy laying as well as fancy points. I have won as many premiums during the last eleven years as any one, and have sold winners both east and west. EGGS \$1.50 per 13, \$4 per 50, \$7 per 100, now.

J. N. YOUNG, GOLDEN RULE FARM, R. F. D. 2, HENRY, ILL.

BUFF ROCKS

Blood as good as the best. Look up our show record in previous ads and the sensational price we sold for at Chicago show last year. EGGS \$2 per setting.

JOHN J. KEIG & SONS

Romeoville, Illinois

P. O. LOCKPORT R. F. D. 4

WHEN YOU WANT EGGS

from the best **BUFF ROCKS** write H. Beck, Ravenna, Ohio, for mating circular. Breeding stock for sale after May 15th.

H. BECK,

Ravenna, Ohio



THE FARMER STRAIN OF Barred Rocks

have been winners twenty eight years. Shall breed ten pens as fine as we ever mated. Eggs in season. Price list free. Mention this Journal.

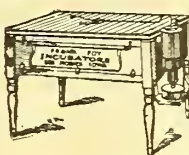
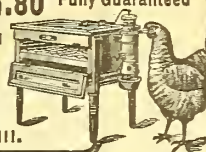
Joe Farmer, Flushing, Ohio

Catarrh Sufferers!

Send me your name and address and I will send you formula for a treatment that cured me, has cured hundreds and will cure YOU, as surely as day follows night. J. Russell Scott, Jackson, Mich.

200-Egg Incubator For \$12.80 Fully Guaranteed

The wonderful simplicity of the Wooden Hen and the greatly increased production forced by its immense sales, makes it possible to offer this perfect hatcher for \$12.80. Self regulating and guaranteed to hatch as large a percentage of eggs as any other hatcher at any price. Send for the free illustrated catalogue with 14 colored views. GEO. H. STAHL, Quincy, Ill.



"MONEY in POULTRY."

Our new 84-page book for 1905 tells how to make it; also how to breed, feed, grow and market your poultry for best results. This book probably gives more reliable information about the poultry business, obtained from actual experience on the largest farm in America devoted exclusively to the rearing of pure-bred poultry, than any other book published. Describes and illustrates 25 varieties of our pure-bred fowls. Quotes extremely low prices on stock, eggs, incubators and brooders. Mailed for 4c in stamps.

FRANK FOY, Box 50, DES MOINES, IOWA.



St. Louis World's Fair Winners of 27 Regular and 9 Special Premiums.

800 WYANDOTTES and SEBRIGHTS 800

We have about 800 head of very fine Golden, Silver Laced and White Wyandottes and Golden and Silver Sebrights yet to spare at very reasonable prices. Our birds have won more than 300 premiums at Madison Square Garden show since 1891. In 1903 we won first on breeding pen of both GOLDEN and WHITE. They have won at all the big shows for the past 18 years. If you wish to buy fine line-bred birds from utility stock and exhibition quality combined, we breed that kind. Eggs from our fine matings \$3 per setting; two settings \$5. Our large circular is free and tells all about our birds. ALSO FINE BELGIAN HARES CHEAP.

IRA C. KELLER,

BROOK SIDE FARM, Box 75, Prospect, Ohio

King's Barred Ply. Rocks

are attracting the attention of the poultry world. Why? Because they excel in many respects. In fact are recognized as superior by many of our best judges. Are bred according to the latest and most approved method of mating for producing best results for show room or breeding pen. A few eggs will demonstrate this fact to you. They are the same price as for earlier in the season. May is the month to set eggs for January show birds. Can spare a few more settings. Write me today for circular and prices on breeding stock that will be offered after June 1st. Remember the specialist for best results.

O. L. KING,

Lock Box 4, Walnut Grove, Ill.

Barred Ply. Rocks Exclusively

My breeding yards are represented by birds of royal breeding and grand individuality. **Cockerel matings:** Yard 1 headed by ckl. whose sire was a first place winner at Chicago, '03. This pen is pure Bradley Bros. strain. Yard No. 2, headed by two-year-old cock, full brother to first pen cockerel at Madison Square Garden, N. Y., 1904; pen is Bradley Bros. strain. Yard No. 3 headed by the best son of cock in yard 2.

Pullet matings: Yard No. 4 headed by the best son of the great pullet breeding cock Milo. This pen is pure E. L. Miles strain. Yard 5 headed by fine large cockerel of the proper color for pullet matings. This pen is pure Bradley Bros. strain. Yard No. 6 is old Milo with five fine large pullets; E. L. Miles strain.

Eggs \$3.00 per 15, \$5.00 per 30.

L. H. EDWARDS

R. R. 1, Owasco, Ind.

HOUDANS!

For more than thirty-one years Rigg's strain of Houdans has been the acknowledged standard of Houdan excellence by all Houdan breeders and exhibitors at ALL the leading shows of New York, Boston, etc., have drawn largely upon this strain. The record made by the Rigg strain during all these years has never been approached by any breeder.

Mr. Thos. F. Rigg, Iowa Falls, Iowa,

Driftwood Farm, Girdletree, Md., Dec. 17, 1904.

Dear Sir:—In 1898 I obtained in Colorado three Houdans that were purchased of you. I took them to Brazil, where they were practically unbeaten by the best English strains, to say nothing of breeding a lot of youngsters that hustled their Minorcas in egg production.

WALDO KENNARD.

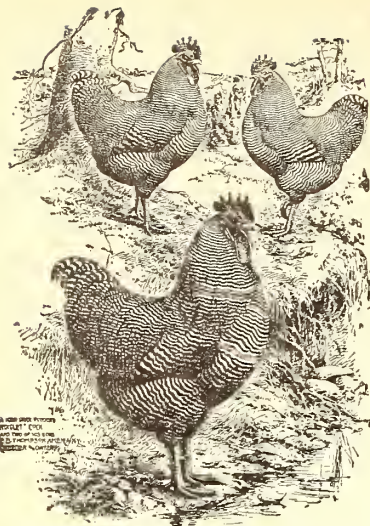
This is the kind YOU want—the large, vigorous, egg-producing, show winning kind. More than 31 years of careful, systematic, line-breeding has given us this magnificent strain of Houdans.

EGGS FOR HATCHING THAT WILL PRODUCE SUCH STOCK

We have no special pens in reserve for ourselves and other pens for our customers. The same pens that supply us with our many winners and magnificent breeding birds, supply our customers with eggs. Price of eggs \$3 per setting, two settings \$5.

THOS. F. RIGG

IOWA FALLS, IOWA



A "Ringlet" 1st Prize New York Cock and two of his Sons.

"RINGLETS" Soar Still Higher.

At the Imperial Show of the Nation, Madison Square Garden, New York, January, 1903.

E. B. THOMPSON'S BARRED P. ROCKS

Stamped their superiority in the most decisive manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen and pullet. This is the third time the "Ringlets" have won this grandest of all trophies, giving them now absolute and final ownership. In this "COLOSSAL CONFLICT" the "Ringlets" lifted the great National Sweepstakes Cup, presented by the American Plymouth Rock Club for best cock, cockerel, hen and pullet. My Barred Rocks won double the number of silver cups and special prizes of any competitor, including the sweepstakes special in gold for best Plymouth Rock on exhibition male or female any variety.

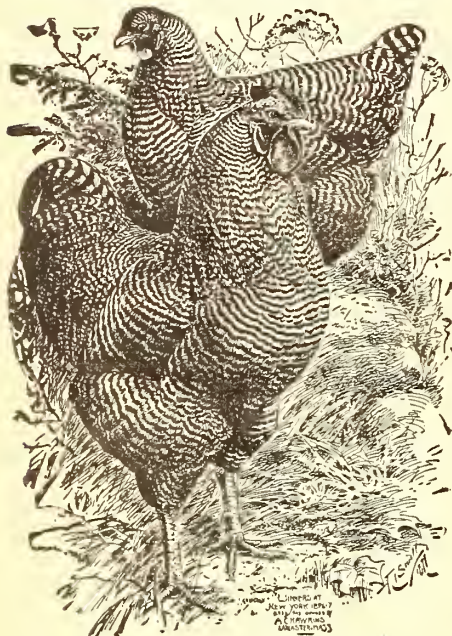
The "RINGLET" World's Record of four years in succession at New York is a page of history. The "RINGLET" World's Record of first on exhibition pen at this great show, three years in succession, is the undisputed champion.

The "Ringlet" clean sweep 1st, 2d, 3d, 4th and 5th prizes on pullets has never been approached at Madison Sq. Garden, and stands alone and unequalled. The "Ringlets" have won at New York—exhibited by me personally—a grand total of 87 prizes. 36 of these are 1sts and specials, being more than double the number of 1st and special prizes won by any competitor in the history of the show.

GRAND STOCK FOR SALE

In any number. Rare bargains in yearling breeders in lots of a trio or 100. Show birds fit to win in the fastest company—600 choice breeding cockerels. Richly illustrated 36-page catalogue on application. It is full of original illustrations of New York winners from life. Eggs from finest exhibition matings. One setting \$5, two settings \$9, three settings \$12, four settings \$15. Address

E. B. THOMPSON, Lock Box 510, Amenia, Dutchess Co., N. Y.



Winners at New York, from Life.

HAWKINS'

ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER WHITE AND BUFF.

EGGS FROM PRIZE MATINGS.
1 Sitting, \$5. 3 Sittings, \$10.
2 Sittings, \$8. 5 Sittings, \$15.
Per 100, \$20.00.

Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others. My matings this season are the best I ever owned. * * * * *

At the Great National Show, WASHINGTON, D.C., in hot competition with over 300 birds of these varieties, the best that could be found regardless of price, I won 45 Regular and Special Prizes on 39 Entries, including First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show (Bantams excluded), and this on my First Prize Barred P. Rock Cockerel. My winning White Wyandotte cock was pronounced by the judges to be the best they had ever seen. I won twice as many first prizes as all other exhibitors of these varieties. My BUFF ROCKS, at Boston, 1899, in hot competition, won more first and special prizes than all others. My customers are winning all over the country. If you want the BEST, write me. Hundreds of Choice Exhibition and Breeding Birds at Honest Prices. Catalogue of America's finest Plymouth Rocks and Wyandottes free.

A. C. HAWKINS, Lock Box 25 Lancaster, Mass.

NOTICE **BUFF WYANDOTTE BREEDERS**

It is with pleasure and pride that we announce our matings for this season as the best we ever owned, and we believe far excel any ever made before. These matings include our Chicago and World's Fair winners. If your stock does not satisfy you—if you need new blood, this is your opportunity to get the best for little money. Fifteen EGGS \$5.00. These are from the BEST strains of

...BUFF WYANDOTTES...

A strain that has repeatedly proven its worth at the big shows in hottest competition. Book your order to-day. Ours is a laying strain.

ACKLEY & PAGE

Largest Breeders of Buff Wyandottes in the World.

Box B, Woodstock, Ill.

World's Fair Prize Winners!

If its grand young stock you want, for breeding or for the show room, we surely have them in the choicest quality and largest quantity we ever produced. Brother, try us, just for your own sake. Give us a chance to show you and help you, for we can, and will honestly and truly guarantee to please you with such as Barred Rocks, Wyandottes, Leghorns, Games, Pekin Ducks, Wild and Bronze Turkeys.

We can supply you with anything in choice Fruit Trees or Poultry Supplies.

OUACHITA VALLEY POULTRY FARM

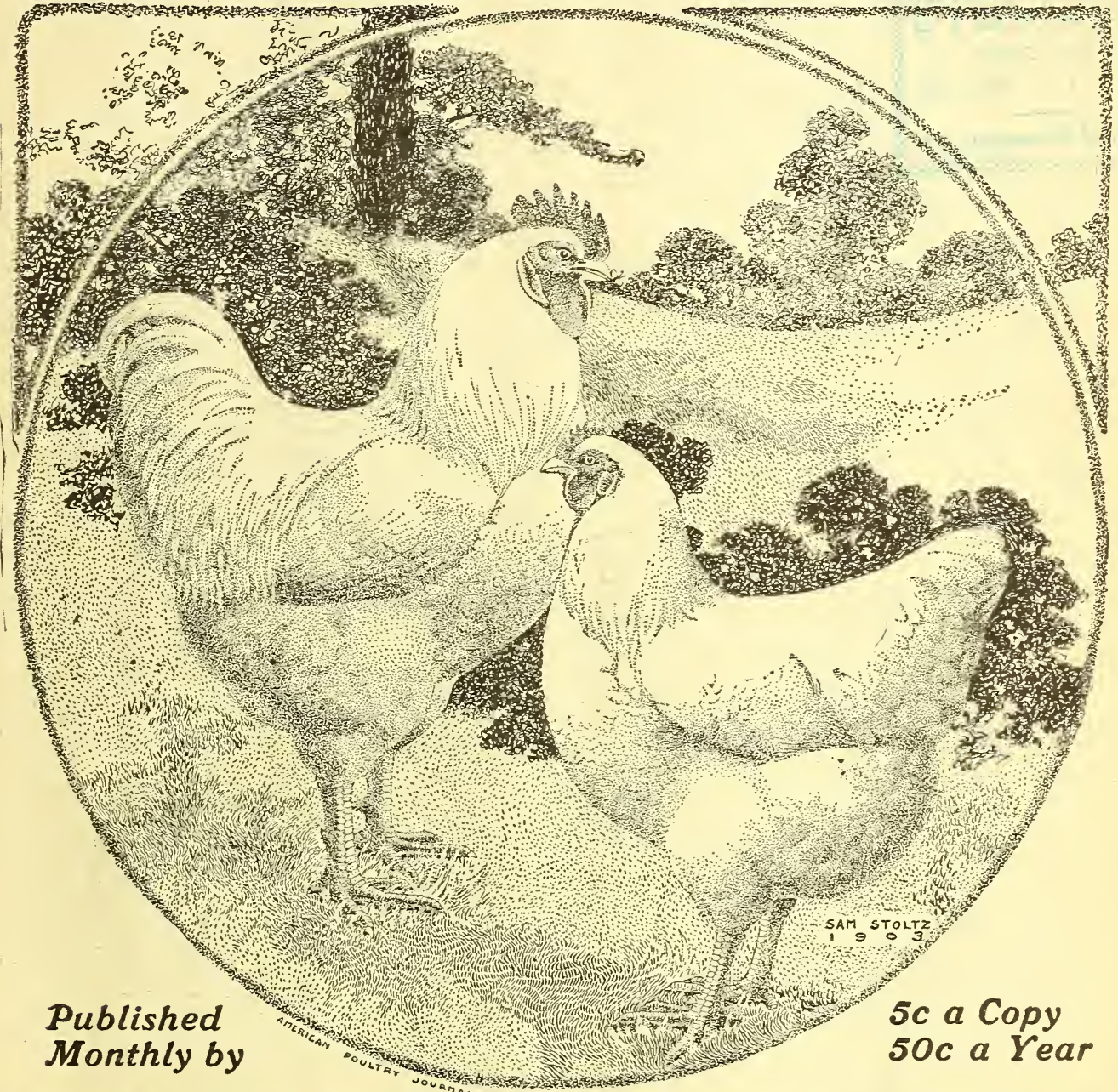
Geo. W. Brown, Prop., Camden, Ark.

AMERICAN POULTRY JOURNAL

Vol. 36

June, 1905.

No. 6.



*Published
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AMERICAN POULTRY JOURNAL PUBLISHING CO

GEO. G. BATES, President and Editor.

325 Dearborn Street

Chicago, Illinois



IT IS A FACT

that poultry pays a larger profit for the money invested than any other business; that anybody may make a success of it without long training or previous experience; that the Reliable Incubators and Brooders will give the best results in all cases. Our 20th Century Poultry Book tells just why, and a hundred other things you should know. We mail the book for 10 cents. Write to-day. We have 115 yards of thoroughbred poultry. BELIEVABLE INCUBATOR & BROODER CO., Box A-1 Quincy, Ill.

White Wyandottes

Chalk white throughout. Won at Lake Geneva, Wis., 21sts, one 2d, 5 specials, class of 70. EGGS \$2.50 per 15. J. B. BENNETT Ringwood, Illinois

EGGS FOR HATCHING FROM OUR PURE BRED

**White P. Rocks,
White Wyandottes,
S. G. White Leghorns.**

Price reduced to \$1 per setting of 15 eggs for balance of season from our fancy matings. Incubator eggs \$4 per hundred.

THE EDGAR POULTRY AND EGG FARM CO. Richwood Ohio

S. G. BROWN LEGHORNS

EGGS \$1 per 15

From prize winning stock

EDWIN W. STAEBLER,

36 Tremont Street, Cleveland, Ohio

Thompson B. Rocks, Pierce White Wyandottes, National Bronze Turkeys

Have been winning their portion of premiums; Rocks scoring 90 to 93, Wyandottes 93½ to 95½; Turkeys 96 to 97½ by Helmich. EGGS from our prize matings at half price, \$1.00 per 15 straight. Turkeys \$2.00 per 10 straight. Don't fail to try our eggs.

WARREN SLOAN, R. 4, ELDORADO, ILL.

Eggs Eggs Eggs

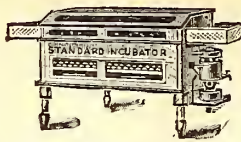
half price for June \$1.50 per 15. Guaranteed.

John Culbert Braceville, Ill.
The Barred Rock Specialist.

Evans' Buff Cochins

Forty hens for sale. Ten males, at \$4.50 per pair, \$7.00 per trio, \$10 the pen. EGGS \$3.00 per 13. Order from this ad or WRITE.

A. A. EVANS Bement, Ill., U. S. A.



Incubators on 30 Days Trial

The Only Kind that Never Fail. The World's Best Our Standard Hot Air Incubators require less attention to operate, they being of larger and better broods of strong healthy chicks, and they will last five times longer than any hot water incubator in the market. Large, handsome, fully illustrated catalogue and Poultry Guide with all kinds of building plans, etc., 10c. Send for a copy at once and learn something, it's worth a dollar. Address THE STANDARD F. C. INCUBATOR CO., Dept. C, Rochester, N. Y., U. S. A.

WHITE WYANDOTTES S. C. WHITE LEGHORNS

Four hundred choice birds for sale at \$1.00 and \$2.00 each. Write your wants. Don't delay.

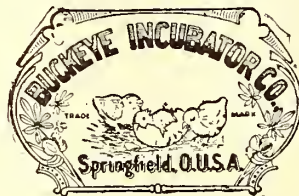
EMMA B. POULTRY FARM, Gurnee, Ill.

D. BEIDLER, Prop.

S. E. LANE, Supt.

Save Your Chicks

2-lb Package 25 cents
F. O. B.



BUCKEYE CHICK STARTER

Anywhere by express prepaid, 50 cents

Do you have trouble raising your chicks to maturity? If so, the damage is done the first week after hatching. One 25 cent package of Buckeye Chick Starter will start on the road to health and development twenty-five chicks and is everything they need, or should have, except water, for the first week or ten days. Try it and change a loss into profit. We manufacture the Best Balanced Ration in the United States. Our catalogue on Foods and Feeding is invaluable and is yours for asking.

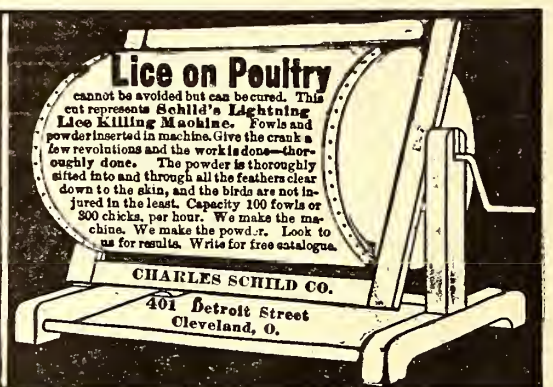
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Our poultry his prevents birds from plucking out their feathers. Easily attached, cheap, does the work. In no way interferes with feeding. Write for particulars.

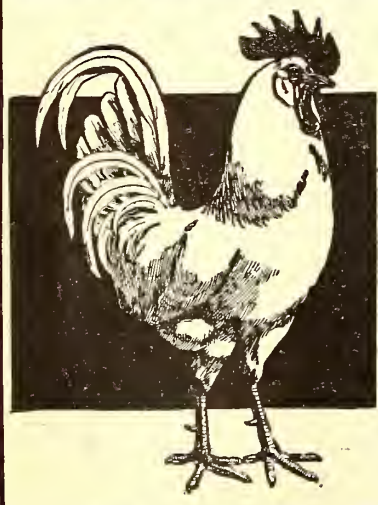


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cannot be avoided but can be cured. This cut represents Schild's Lightning Lice Killing Machine. Fowls and powder inserted in machine. Give the crank a few revolutions and the work is done—thoroughly done. The powder is thoroughly sifted into and through all the feathers clear down to the skin, and the birds are not injured in the least. Capacity 100 fowls or 300 chicks, per hour. We make the machine. We make the powder. Look to us for results. Write for free catalogue.

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If your poultry isn't paying as it should, you are making costly mistakes. Our course of instruction will quickly teach you how to make any yard (large or small) pay from 25 per cent to 50 per cent profit. Your knowledge and ours combined will make you successful. The individual home lessons, delivered regularly at your very door, are prepared by practical poultrymen who have by actual experience mastered the problems which worry nine-tenths of all poultry raisers. You get no theoretic instruction. After a little study you can discover your errors and overcome them. The directions are easy to understand and follow, and big paying results are sure. If you want to qualify yourself as manager of a poultry yard and accept one of the

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careful and painstaking breeding during the past dozen years or more is helping even the most prominent breeders. For it brings home the fact that my customers, who have bought their

WHITE WYANDOTTES

direct, not only sell their eggs to these breeders to fill their order with, but that they hatch them for their own pens as well. Verily the truth grows—that Duston is the breeder that has made possible the "World's Best" flocks. Stock and eggs from headquarters is what you want. Send your wants to

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My record has never been approached by any breeder.

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Original Cherry Red Strain

EGGS half price, \$1.00 per fifteen. Breeders for sale at \$1.00 each. Must have room.

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were big winners at both of the late Chicago shows. See reports or send for mating list and show record. Rose and Single Comb Blacks, R.C. and S. C. Whites and R.C. and S. C. Buffs. Eggs for hatching from my very best. I can deliver the goods. I replace all infertile eggs gratis. Satisfaction guaranteed.

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My this year's breeders will go at bargains to early buyers.

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Orders for White Wyandotte eggs from our best pens \$1.00 per 15, \$5 per 100.

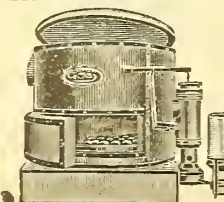
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I am breeding Bradley Bros. and E. L. Miles' Strains, each in its purity. This season's breeders for sale now. Eggs \$3.00 per 15, \$5 per 30.

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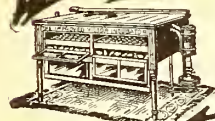
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After May 10th I will sell pure bred S. C. W. Leghorn eggs for hatching from good matings at \$1 for 15, \$5 for 100. From my prize matings \$3 for 15, \$5 for 30. Remember, my Leghorns were leading winners at World's Fair, where they won \$100 cash prizes. At Chicago, January, 1904, where I entered three cockerels in class of 14 and won 1st, 3d and 5th cockerel. I offer best S. C. W. Leghorn eggs at the price of common ones. Why buy elsewhere? Illustrated catalogue free. Mention American Poultry Journal.

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won fourteen first prizes for him in 1905, at Chicago, Detroit and Lansing. That tells the tale of quality in his stock. Bargains in breeders and utility birds this month, selected from this season's pens. EGGS \$2 per fifteen after June 1st. Free catalogue.

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FOR SALE. Breeding and exhibition stock.

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that high-grade, low priced, absolutely reliable, up-to-date hatcher. Sure profits. Begin now—get an early start. Write for free catalog today. Gem Incubator Co., Box P, Dayton, Ohio

A White Wyandotte Sale

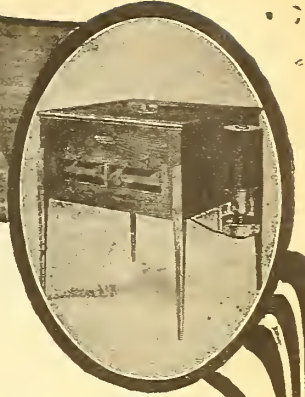
To make room for one thousand growing chicks we offer five hundred breeders at different prices, and in lots to suit purchaser, Remember we have the

ORIGINAL WORLD'S BEST

Having just issued a sale slip with several lots described with prices, we have also reduced price of eggs for June and July to \$2.50 per 15 from our select matings. A chance for quality at a reduced price. If in want of foundation stock please do not let this chance go by. Speak quick for this stock will move. Send for sale slip and catalogue, which will tell you all, just for the asking.

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the best at all seasons, are especially superior for late spring and summer hatching and rearing. Warm-weather chickens are profitable because at this season they can be reared with the least trouble and expense.

June hatched pullets, if kept growing, lay in December.

Summer hatched cockerels, if caponized, bring good prices in winter and spring.

The way to make money with your plant is to keep it running twelve months each year.

The Model Incubators and Brooders furnish you with the best equipment—the equipment which the large breeders are using to make money.

If you are using the old Cyphers, and do not want to go to the expense of buying new machines, why not have them remodeled? **The Crystal Springs Duck Farm is using 26 No. 3 and 7 No. 4 Models, and March 10th I remodeled their 49 No. 3 Cyphers, originally manufactured by the Cyphers Incubator Co., putting in my new thermostats and ventilating system. They are using 67 of my No. 4's at Yardley; Truslow is using 50; Earl Stock Farm 36, Wilson is using 72 No. 3 Models and the Lakewood Farm 19.** If you wish any better testimonial of the Model's worth, note my competitor's desperate efforts at imitation.

I have still thirty Cyphers Incubators, manufactured by the Cyphers Incubator Co., which are now in my factory. These machines I have remodeled with the Model thermostat and ventilating system. They should have arrived a month ago, and rather than carry them over summer I will sell them at a sacrifice.

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To satisfy the demand made upon me by my customers to supply them with poultry foods, I have availed myself of the first opportunity to secure a suitable milling property.

I have recently purchased a five-story, heavy mill-constructed building, centrally located for shipping, and having switching facilities to all the trunk-line roads. I have installed a full line of up-to-date cleaning and milling machinery, and am now prepared to offer strictly high-class poultry foods, made from clean, wholesome grains. My aim is to make the *best foods* that can be made for the particular purpose each is intended.

None but sweet and wholesome grains are used in the manufacture of the Model Foods. The large grains are first cleaned, to remove all foreign matter. They are then passed to the mills to be cracked to a suitable fineness, and from there to the

screens to be graded into the three sizes for nursery, growing and scratching foods. From the graders they are passed to the scouring or pearling machines, which remove all the loose particles of bran or flour, and rub off the rough corners and edges, which otherwise would flour in the bag during shipment. The result of this careful manipulation is that *you buy what the chick will eat up clean, and there is no flour or other substance to be wasted.*

Each bag of either the nursery, growing or scratching food contains a separate bag of Meat Food. No grain ration alone will raise chicks successfully, i. e., make bone and feathers, and put on weight at the same time. The Meat Food is to be hopper fed, so the chicks may go to it at all times.

No grit is contained in any of the Model Poultry Foods. You can buy this separate for less money.

Send for descriptive catalogue

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Greatest Record in the world ever made by one flock in the same week. EGGS \$5 per setting, \$16 per four settings.

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The richest and choicest kind right out of our matings. Big Bargains in these birds. Write quick. 36-page catalogue for 2 cent stamp

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AUTOCRATS OF SHOW ROOM AND UTILITY

Black Minorcas

Make a record - win at late Madison Square Garden, N. Y. Show, eight 1sts, two 2ds, including 1st pen each variety in the largest and strongest classes ever in the Garden. If you want quality, breeders or eggs for hatching from the BEST, send for our new illustrated catalogue. 2 cent stamp appreciated if handy.

White Plymouth Rocks

GREYSTONE POULTRY FARM

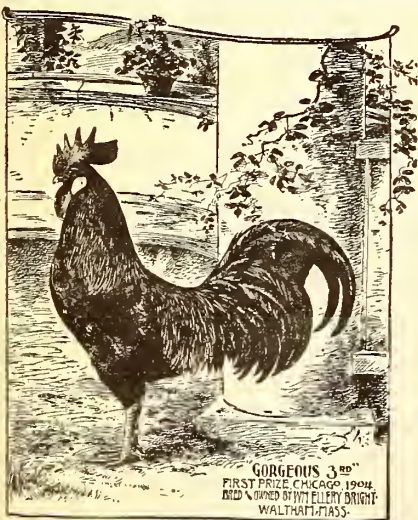
YONKERS, N. Y.

GREAT SALE OF S. C. WHITE LEGHORNS

I breed nothing but Purity Strain White Leghorns, and did you ever notice that this strain wins the blue wherever shown. The 244-egg hen won 2d at Hagerstown, 1904. That's the kind of stock you want. Am making a special price of \$2.50 per setting of 15, or \$6 per hundred during June. Will also spare about 100 of last year's breeders. Now here is a rare opportunity to get grand stock at a bargain.

JOS. A. BURKHART

Smithsburg, Maryland



Not Too Late-June is the Month

To Hatch Winners for the late Dec. and Jan. Shows

Bright's Brown Leghorns Barred Plymouth Rocks

Have won at the greatest and best shows, including the greatest of all shows, the St. Louis Exposition and the Pan-American Exposition. These are without doubt the greatest and most representative shows ever held on this continent. They have also won the most coveted prizes at America's greatest contests, New York, Boston, Philadelphia, Toronto, Washington and Chicago.

They have won these prizes with young and fresh birds hatched in June, and in some cases in July and August. Get a good sized strain of fowls and one that grows and matures quickly. The Grove Hill Strain has these qualities,

besides being very strong in color and markings. Send for their records.

EGGS from the same pens that we hatch from ourselves; no others; \$5.00 per setting, \$12.50 per 50. Special settings to suit you \$7.00 to \$20 per setting. Send stamp for their records and schedule of matings.

GROVE HILL POULTRY YARDS, Box 410, Waltham, Mass.

WILLIAM ELLERY BRIGHT, Prop.

A. C. SMITH, Superintendent

Eggs Eggs Eggs

May is the best month in the year to get a good hatch. "You had better hurry" and send for eggs to

BARRED ROCK HEADQUARTERS

For their great Chicago winners. Chicago Fancier's Show, Dec. 10-19, 1904; Chicago National Show, Jan. 23-28, 1905; Delavan, Wisconsin, Show, Jan. 23-28, 1905.

Every First Prize on cocks, cockerels and pens at above three shows. More first and second prizes than all competitors combined.

Black Langshans.

I won the \$25 Challenge Trophy Cup for highest scoring cock, cockerel, hen and pullet at the great Chicago Heights Show, 1905. Also silver cup for highest scoring pen in Asiatic class. Also won at the Chicago Show, 1904. Stock and eggs for sale. Send for circular and price list.

R. A. HEWES Box 1, Crete, Ill.

White and Barred Rocks.

Partridge and White Wyandottes, Mammoth White Holland Turkeys and Imperial Pekin Ducks. Our birds are winners at Chicago, Cleveland, Indianapolis and Illinois State Shows. We have three yearling and two young toms at \$5 each. No females. Eggs \$2.50 per 15, \$5 per 40. Turkey eggs \$5 per 12. Write your wants. We guarantee satisfaction or return money.

Stryker Bros. Box 204, Plainfield, Ill.

Vass' Buff Orpingtons

are still in the lead. Will offer eggs at half price balance of season. All my breeding stock for sale in Buff and Partridge Wyandottes, Prices low for the quality. Write for prices. Circular free.

C. E. VASS,

Washington, N. J.

American Poultry Journal

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

Vol. 36.

Chicago, Ill., June, 1905.

No. 6.

A PLEA FOR MORE SIMPLICITY.

The Common and Stable Grains of the Farm Contain all the Elements Necessary to Growth and Development of the Young Stock. Use of the Self-feeding Hopper is Recommended where the Chicks Have Range.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal

A majority of the season's hatch of chicks are now far enough advanced to make the feeding of something else besides the more popular chick feed a necessity. The welfare of the stock demands that a change in the food supply be made at this time.

It may seem to many that the subject of how to feed and what to feed the growing stock is a threadbare tale, oft told and without interest. That the tale as often told has become a very familiar and therefore uninteresting story is true. But this is a most important matter.

How and what best to supply the growing stock as food depends entirely upon the condition under which the stock is kept. It is by not properly considering this fact, and failing to make a proper analysis of conditions as well as food supplies, that many breeds are wrongly feeding or not feeding to the best advantage.

My neighbor and I, breeding the same variety of poultry, can not handle or feed our stock alike. Conditions are radically different. His yards are small and bare of all vegetation. The chicks must be supplied by him with everything they eat. Every blade of grass must be carried to them. In his neighbor's yards conditions are the reverse. The yards are large and carpeted with a blue grass sod. The range is practically unlimited, consisting of orchard and clover field.

In order to succeed these two breeders must care for their stock along entirely different lines. And as these places are representative of perhaps a majority of the places where standard bred poultry is reared in America, let us consider how best each can feed and handle the young stock.

It should be understood that the handling and housing of the stock is just as important as the feeding of the same. And yet how many breeders are supplied with good brood coops? Very few, comparatively. Too many do not realize the importance of good brood coops. Chicks that are hatched in March and April by hens, in a large portion of the country are, as a rule, placed outdoors in brood coops. And it is during the cold, rainy, changeable weather that in most cases there is a considerable loss of chicks. There are days during the early spring that are warm and it is best to allow the chicks to get on the ground. In fact we have learned by experience that board floors in the brood coop run-ways are detrimental to the health of the chicks. After years' careful study we have adopted a brood coop that satisfies us fully.

This coop is 4 feet 6 inches wide, 2 feet deep, and 1 foot 6 inches high in front, and 1 foot 3 inches high in rear. It has two compartments. The house part, closed, or 1 foot 9 inches by 2 feet. The exercise room occupies the rest of the space. The exercise room is closed at the end and screened with one inch wire mesh. The house part, in which the mother hen is confined, is supplied with a movable floor. The chicks can run at will from the hen into the exercise room.

Some of the advantages of this brood coop: It is vermin proof; at night no animal can enter this coop.

We have the hen and chicks under perfect control. In the exercise room we keep a constant supply of beef scraps, grit and charcoal at all times. The hen can not get to these supplies. She is fed cheaper food than that given the chicks. In

this room after the first two weeks we keep a supply of chick food. The chicks can go to it at will. This is in direct contradiction to the methods pursued by many breeders and will not be endorsed for one moment by the large majority of writers who find it has become a habit to cry loudly the creed—don't overfeed, keep the chicks at work scratching for all the food they consume. But we do not do it that way. Experience has taught us better. By our method there is no struggling of the weaker to secure their food supply. The chicks will not overeat when so handled. They will eat often and little at a time. When liberated in the early morning they are as lively as crickets and are off over the range in search of worms and insects. They do not return frequently to the brood coop and "stand around the food bin" as has been said of them by one noted writer, who, we are very sure, has never tried this system of feeding. We know, not think, but know, that chicks so handled will consume less grain food than a given number will if fed from hand in the usual way. How do we know this? We have the figures to give the truth of this statement. For two seasons we kept a complete record, half of our young stock being handled on the food-at-will plan, the others in the customary way. Another point: When the food supply is before the chicks constantly they eat but little at a time. There is no gorging as there is when food is given in the old way. As a result the digestive organs of the chicks are in better condition. The chicks will balance their rations. Nature will attend to that.

This is the ideal way, it seems to us, to rear the chicks where they can be given a grass range. But it would not do at all for the city or town breeder who has barren yards and where the chicks must be raised in comfort. We can see readily that in such a case the chicks would be very liable to overfeed, for they would not be given the exercise secured by the range chicks in their rambles over the range. Here the food supply must be carefully studied and the handling requires great skill.

As to other advantages of such a brood coop. In this coop the sanitary conditions are perfect. The exercise room has no floor other than the ground. This earth floor is kept perfectly dry, so far as effect of rain is concerned, by a shallow trench being dug, carrying away all surface water. The coop is large and well ventilated and dry at all times. In due time a perch can be placed in the exercise room.

So much for the character of the brood coop which is serviceable alike to the breeder who can give the young stock range and the breeder who must keep his chicks confined in small yards. The system here outlined for the person who is fortunate to have a good range is one we can advise all such to adopt, notwithstanding it is so vigorously opposed by the large majority of accepted authorities.

* * * * *

There is altogether too much theory advanced in the advice given to breeders of poultry as to what to feed the chicks and how to feed them. A nice hatch chick—one from healthy, vigorous parents, is a creature of nature which is bound to live if given the chance. We must bear in mind that our handling and rearing of fowls must of necessity be largely artificial. The cry of "get close to nature" in the bringing up of our chicks is too often a mistaken one. If the conditions surrounding the chicks were as nature would have it in providing for her own we could then feed as nature would. But such is not the condition. We must meet the condition.

Another matter: It has become of late the accepted belief that the growing stock as well as the matured fowls must be given a great variety of grains and foods. The man who is putting a food upon the market makes the fact very prominent that his food contains a great variety of grains. One manufacturer outdoing all others, and no doubt believing he will lead for some time, announces that the food he is offering contains 28 different grains and seeds. Then he works in the "get

near to nature" theory, and tells how the wild fowls are so bountifully supplied with 28 or more different kinds of seeds, etc.

This is all nonsense. Nature never supplied her fowls and birds with wheat and oats and corn and barley, the best foods we can possibly give our chicks or our fowls. There are a hundred and one different seeds which the wild fowls must consume in order to exist that are absolutely worthless in the poultry yard.

* * * * *

The breeder who has a range for the young stock need not spend his time nor money on food-theory rainbows. The best and cheapest food supply is near his hands, within easy reach.

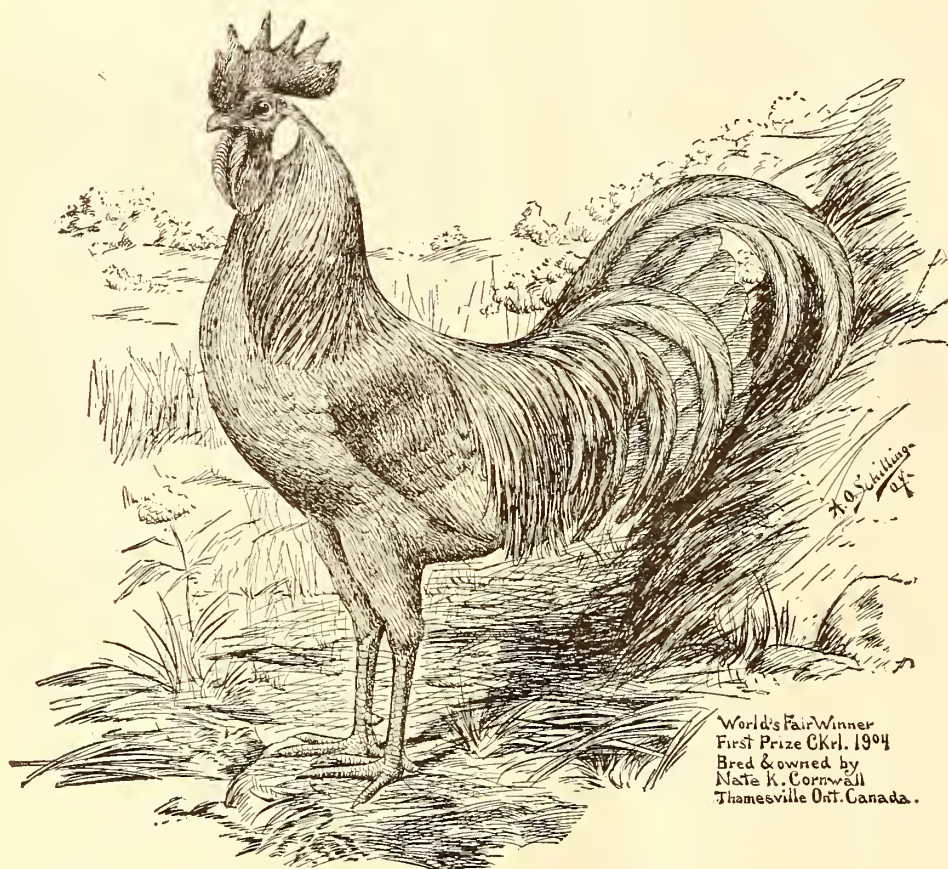
Let us take oats, wheat, corn, barley and millet. These grains are always upon the market at prices seldom out of reach. These grains fed judiciously answer every requirement. In addition supply the stock with beef scraps, grit and charcoal,

sanitary conditions. Let there be no mistake as to this.

We realize that by nature a chick is very active. Idleness is foreign to its nature. Therefore it would be unwise for this breeder to place self-feeding hoppers bountifully supplied before the chicks. Instead he should have roofed pens where the chicks may secure their food supply by work. They must have this exercise and in small yards this is the best way to supply it.

But here too, there need not be the great variety of foods now so much advised. It should be kept in mind that chicks thus confined can not as well digest food as those kept on the range, and the corn should not be fed whole, but should be cracked. The barley should be soaked in water for twelve hours before feeding.

The idea is that we wish to take away as much as we can of the belief now being fixed in the minds of poultry breeders that chick life is so complex that one must be a chemist, a botanist,



World's Fair Winner
First Prize CKrl. 1904
Bred & owned by
Nate K. Cornwall
Thamesville Ont. Canada.

1st S. C. Buff Leghorn Cockerel, Louisiana Purchase Exposition, 1904. Canada's best Buff Leghorn, the only strain that has bred and exhibited 1st Cockerel at two World's Fairs. Nate K. Cornwall, Thamesville, Ont., Can.

in self-feeding hoppers and the chicks will find a perfect food supply.

Judgment in feeding is as essential to success as in the character of the food supply. Oats are strong in bone and muscle making elements. Corn in limited quantity is needed to supply the elements necessary to best growth and development.

With proper cooping and care chicks will grow and develop with such a food ration—grow and develop properly. Upon the range they will secure all needed exercise.

Now as to the breeder who is rearing his chicks in small barren yards. Such a breeder must be a thinker, a student if he is to succeed. He has created a condition which is almost wholly artificial. He must give thought to problems which do not confront the breeder with grass fields as range. He must supply not only food but means of exercise for the chicks. He must give especial care to the sanitary conditions of his coops and yards, and the first and most important matter is that of

an all wise man in order to successfully rear chicks—must bring to them feed boxes, rare and expensive grains and other foods. It is not true. The common farm grains, comparatively cheap in price and always at hand, are all that is necessary. And this is true as to the food supply of the laying and breeding stock.

THOS. F. RIGG.

The British market calls for eggs that will weigh 1½ pounds to the dozen. Those engaged in the import trade believe that in large eggs the albumen is thicker than in small ones, and that about 90 per cent of the stale or bad eggs are small eggs with white shells. Shells of a brown color are preferred, and must be clean without having been cleaned.

According to the claims of cold storage men, brown-shelled eggs keep better than white-shelled ones, as they are heavier and thicker.

KANSAS STATE LAYING CONTEST.

Report of the First Six Months of the Laying Contest
Conducted by the Kansas White Wyandotte Club.

This contest was arranged by the Kansas White Wyandotte Club and opened Nov. 1, 1904, with seven pens (42 birds) competing.

The first half of the contest closed May 1, 1905, with the pens in the following position:

First—Rose Comb Rhode Island Reds.

FIRST—ROSE COMB RHODE ISLAND REDS.

Band	Nov.	Dec.	Jan.	Feb.	Mar.	April	Total	Value	Feed cost	Gain
3	15	24	19	19	16	93	93	\$1.369	\$.499	\$.870
6	17	23	10	1	19	13	83	1.222	.499	.723
214	10	12	19	1	24	17	64	.833	.499	.334
218	..	..	10	3	22	16	47	.564	.499	.065
233	3	23	..	17	22	13	97	1.399	.499	.900
340	14	19	6	2	24	19	78	1.069	.499	.570
Total	59	101	64	24	130	94	462	6.456	2.994	3.462

SECOND—ROSE COMB WHITE LEGHORNS.

6	..	12	18	22	23	17	92	1.278	.439	.839
8	3	14	15	5	24	14	75	1.031	.439	.592
25	..	14	14	3	..	..	31	.512	.361	.151
48	..	..	11	1	19	13	44	.552	.439	.113
94	..	3	5	6	21	21	58	.718	.439	.279
98	3	16	17	17	23	20	96	1.336	.439	.897
89	..	..	..	..	..	8	8	.086	.065	.021
Total	6	59	80	54	110	93	404	5.513	2.621	2.892

THIRD—BUFF WYANDOTTES.

6	..	20	21	14	21	15	91	1.293	.513	.780
12	..	12	17	16	22	18	85	1.169	.513	.656
14	..	9	18	2	22	19	70	.930	.513	.417
20	..	3	16	16	27	14	76	1.016	.513	.503
42	..	..	10	19	18	18	65	.857	.513	.344
439	..	..	..	8	..	..	8	.124	.513	*.389
Total	..	44	82	75	110	84	395	5.389	3.078	2.311

WHITE WYANDOTTES.

4A4	..	14	..	2	23	16	55	.689	.507	.182
4A7	..	..	..	..	24	17	41	.452	.507	*.055
4C9	..	..	19	10	24	13	64	.849	.507	.342
4C11	2	22	24	19	24	21	112	1.585	.507	1.078
4C12	..	..	..	..	23	18	41	.449	.507	*.058
B1B	..	..	..	..	23	18	39	.429	.507	*.078
Total	2	36	43	31	129	103	352	4.453	3.042	1.411

SINGLE COMB WHITE LEGHORNS.

3	6	16	3	6	23	21	75	.996	.437	.559
7	..	..	..	..	..	3	5	.054	.032	.022
19	..	5	2	10	21	13	51	.643	.437	.206
21	..	5	3	4	25	20	57	.688	.437	.251
50	..	4	5	1	21	19	51	.620	.437	.183
51	8	16	2	12	20	17	75	1.053	.437	.616
60	..	3	..	1	21	8	33	.364	.407	*.043
Total	14	49	15	34	131	103	347	4.418	2.624	1.794

BARED PLYMOUTH ROCKS.

7	2	15	..	2	22	11	52	.676	.527	.144
10	..	..	..	2	19	17	38	.425	.527	*.102
45	..	14	20	10	24	18	86	1.177	.527	.650
67	..	..	..	..	23	13	36	.395	.527	*.132
70	..	..	..	..	20	13	33	.362	.527	*.163
98	..	..	..	..	18	16	34	.372	.527	*.153
Total	2	29	20	14	126	88	279	3.407	3.162	.245

LIGHT BRAHMAS.

8	..	4	9	10	23	17	63	.81	.525	.285
18	..	..	..	2	20	12	34	.383	.525	*.142
21	..	..	10	13	16	10	49	.655	.525	.130
25	..	..	2	18	18	15	53	.674	.525	.149
54	..	..	..	..	13	17	30	.327	.525	*.198
70	..	..	..	..	21	17	38	.416	.525	*.109
Total	..	4	21	43	111	88	267	3.265	3.150	.115

*Loss.

Second—Rose Comb White Leghorns.

Third—Buff Wyandottes.

White Wyandottes.

Single Comb White Leghorns.

Barred Plymouth Rocks.

Light Brahmas.

In starting a test of this kind conditions are always present unfavorable to egg production, such as transportation of fowls, their strange new quarters, etc. The house in which the birds spent the winter is of the curtain front style with a large amount of curtain surface, as it was built for a larger number of birds per pen than was furnished by the club. The winter was the most severe ever known in the state, with long continued cold and temperature as low as 30 degrees below zero, and with so few birds in a pen it is hardly necessary to say that egg production was diminished.

While the conditions were unfavorable in this particular yet the fowls have made an excellent laying record and the results compare favorably with those obtained in previous authentic egg laying contests.

The first pen, Rose Comb Rhode Island Reds, are owned by Dr. J. Martin, Wichita, Kansas. These pullets were laying when shipped to the college, being the only ones laying at that time. They laid heavily until Jan. 1, 1905, when several of them molted and stopped laying. They are more inclined to broodiness than any other breed in the contest.

The second pen, Rose Comb White Leghorns, are owned by Mrs. Jennie E. Warren, Cottonwood Falls, Kansas. These were fairly well matured pullets. They seemed rather out of condition at first but recovered and gave excellent results through the winter. They were not affected by the low temperature so much as their single comb cousins. No. 25 of this pen "went light" in February, died in March and was replaced by No. 89 on April 5, 1905.

The third pen, Buff Wyandottes, are owned by G. C. Wheeler, Harlem, Mo., formerly of the station staff. These pullets have done well up to the present, ranking their white cousins.

The fourth pen, White Wyandottes, are owned by Beecher & Beecher, Belleville, Kans. These pullets were in prime condition up to the present. One of their number, 4c11, holds the record so far, as an individual.

The fifth pen, Single Comb White Leghorns, are owned by the Kansas State Agricultural College. These pullets did well but suffered more than any other variety from the severe cold.



ROSE COMB WHITE LEGHORNS.

First Cockerel, St. Louis World's Fair, 1904. First hen Madison Square Garden, New York, and at Chicago, December, 1904. Bred and exhibited by Rocky River Poultry Company, 5931 Superior St., Chicago, Ill.

No. 60 suddenly died April 17, 1905, and was immediately replaced by No. 7.

The sixth pen, Barred Plymouth Rocks, are owned by Mrs. J. B. Jones, Abilene, Kansas. This pen consists of hens while the other pens entered are pullets. This was due to an unfortunate misunderstanding and is manifestly unfair to the breed, as hens are generally conceded to be poorer winter layers than pullets. These hens were further handicapped by their incomplete molt. They are inclined to overfatness and are heavy eaters.

The seventh pen, Light Brahmas, are owned by F. A. Brown, Onaga, Kansas. These birds were in the best of condition up to the present time. Their small egg-production early in the season must be explained by the fact that they are a slow maturing breed. In this pen and, in fact, all the pens excepting Leghorns, the egg yield fell off in April, due to broodiness. All broody hens were promptly removed to a strange pen which seemed to break up this condition, and in ten days were again ready for laying.

The accompanying table gives the egg yield and its value and the cost of feed figured on local markets. At the close of the year more complete results, including the broody periods, molt, fertility of eggs, etc., will be published. A study of the table will reveal a surprising difference in the individuality of the hens. This contest should prove much more interesting and instructive than previous ones where no record was kept of the individual performance.

Yours for "Better Birds for Kansas,"

BEECHER & BEECHER.

MR. DUDLEY REPLIES TO DR. CRANSHAW

Editor AMERICAN POULTRY JOURNAL.

I am going to ask you to again allow me to trespass upon your time and patience, and to allow me the use of some of your valuable space in which to set down a few thoughts in regard to the subject upon which Dr. Crawshaw and I have had quite a wordy argument. Not that I feel that I want to have the last word, or anything of that sort, or that I wish to notice particularly the personal things said of me by the doctor in the May number of the AMERICAN POULTRY JOURNAL, but I feel that there is more in this subject than has been brought out and feel that entire justice has not been done the question under discussion. In his article above referred to, Dr. Crawshaw says that I have lamentably failed to hit the mark in my article in the April number. Now, if the gentleman claims he has hit the mark in his communication of May, it must be that I personally am the mark at which he aimed, and I will easily allow that the doctor hit that mark.

I could reply to him in the same strain, but do not think the readers of this paper care anything about a personal controversy between the doctor and myself, and I trust he will

to ask the doctor a little more about his experience, of which he wrote. Judging from his article, he only keeps fifteen hens, at least that is all he mentions, or gives record of, and if I am correct in my assumption and fifteen hens is the magnificent proportions of his poultry business, I do not wonder that by being a busy and ambitious man, he finds time to take care of them in his approved and up-to-date methods. But if the gentleman was obliged to take care of a hundred or two, I question if he would not change his tune a little and cut out some of the unessentials, which now he seems to think so necessary for the comfort of the hen. The word comfort, brings to my mind a few questions about the real comfort, if any, to the hen, in warming her drinking water. Take a pail of warmed water and a pail of reasonably cold water, not ice water, by any means, but water just as it is drawn from a well, and place both before a hen and see if she isn't just as likely to drink her fill of the cold as of the warm. My own hens would almost invariably leave the warm water for the cold, and wherein, then, comes the real comfort to the hen in warming the water for her. Really, the vital point of discussion between us lies in the fact that the doctor, judging from his article, seems to think all this care and attention is *necessary* to produce the results with which he has favored us, wherein I claim that he could have arrived at the same



EXHIBITION PEN COLUMBIAN WYANDOTTES.

Bred and owned by Dr. C. J. Andrus, Canandaigua, N. Y. First prize pen at Madison Square Garden, New York, 1905.

kindly remember, in this discussion, that it is not what he says of me that counts, but what he says (and proves) against the system I advocate.

In regard to this side of the question I fail to see wherein the gentleman has proved anything for his case. That he may get desirable results from his manner of caring for fowls does not prove in the slightest that he could not get exactly as good results by a different method. What I said, and still say, is that it would be better for the average poultryman to adopt a simpler method than the plan advocated by the doctor.

In writing my first article on this subject, I wrote for the eye of the poultryman who keeps hens on a business basis, and to make money from, and not for he who keeps them for the pleasure and diversion of taking care of them, as one might be led to believe the doctor does. I will further ask the gentleman to remember that it is not the flock of fowls upon which is lavished the most extravagant care and attention, which necessarily pays the best, but the one which, other things being equal, gives the best results with the least amount of time and labor expended.

Although I do not wish to make any personal remarks in this article, where it is possible to avoid it, still I would like

results with just one-half the time and labor involved, and if the average poultry keeper today, he who gets a living from his hens, had to go through all this rigamarole of feeding and watering, he would be obliged to go out of the business for lack of time to take care of fowls enough to make a living. I am sure I would not, for a moment, ask the doctor to forego the pleasure of taking care of his fowls in his approved ways, but I will leave it to the judgment of the intelligent readers of this paper to say whether they think it necessary for them to follow his plan in order to get like results.

The pernicious part of such writings as the original article by the doctor, lies in the effect it has on the mind of the inexperienced keeper of poultry, who, by reading it, is led to believe that it is all necessary, and by spending their time and labor in this way, when they should be doing other important work, lose the benefits and profits to be derived from keeping fowls in a common sense manner. It is a noticeable fact that throughout the poultry world the tendency among poultry-keepers in general, is to reduce the labor, to use extensive, instead of intensive, methods. A great many of the teachings of the poultry journals are along that same line, and it is a move in the right direction, for nearly everywhere land is cheaper than labor. Land has to be bought but once,

but labor has to be bought every day. And, really, the doctor's opinion to the contrary notwithstanding, this is nearer following nature's plan than the methods outlined by him. He seems to think that because he has given us the report of a good three months' egg yield and brought out one good hatch of chickens that his argument in regard to pampering stock is final and conclusive, but he must remember that the evil effects of too careful keeping, or mismanagement of any kind, do not necessarily show themselves at once, and that some people have gone along swimmingly on a very bad method, to later be brought up with a round turn, when it is impossible to remedy the evil without considerable loss.

To cite an instance to show that it is not altogether careful feeding and attention that makes hens profitable, I will mention a case of a party with whom I was acquainted, who kept hens for several years on a novel and labor-saving method, and who, apparently, got good paying results from it. This gentleman had a large pasture upon which his fowls were allowed free range, and their sole diet in summer consisted of cracked corn, fed in hoppers *ad libitum*, with plenty of fresh water in a little brook that ran through the field. In the winter he added a hopper of beef scraps to the menu and dipped a pail of water out of the brook daily, and set it in the henhouse. Not an ideal ration or a great deal of labor expended, and yet this man's hens always looked bright, healthy and comfortable, and he got a good average egg yield. This man followed this plan, I believe, as long as he lived, with satisfactory results. Now, I couldn't be successful by doing as this man did, and it goes to prove that, in a way, he was the better poultryman of the two, that the man who could make a satisfactory profit from such a system (or lack of it), was a better poultryman than the man who has to spend a good part of his time with his hens in order to get a profit from them. I expect I shall get my ear twiggled in good earnest by other people as well as Dr. Crawshaw, for giving utterance to such an expression, but I believe there is more in this phase of the question than some people have ever considered. I remember reading, a year or so ago, a series of articles in a prominent poultry journal on the hatching and raising of chicks, and the first prize of five dollars was awarded to a person who hatched out and raised thirty-five chickens, by the expenditure of at least from two to three hours a day, feeding and watering and cleaning the coops, etc. I notice that such details as cleaning the coop was attended to every day and drinking water removed and fresh substituted as often as it became at all soiled. Now, to my thinking, giving the prize to such a person as that was all wrong, because there was no business principles followed in the method, from first to last, nothing which a person who is raising large numbers of chickens for profit, could copy, with any benefit to himself, and, although the chicks raised so carefully were no doubt good ones, they were arised at too great an expenditure of time and labor to be profitable. The same labor and intelligent care exercised over four or five times the number, would have shown a more profitable result at the end of the season.

Remembering that a person undoubtedly learns a good deal from those whose ideas differ from their own, I hope that this little argument of ours may have been the means of planting some little grain of thought, for good, either in our own minds or in the mind of some one of the many readers of this valuable journal.

Kendal Green, Mass.

ALVIN D. DUDLEY,

THE HAMBURG FOWL.

In these days when White Wyandottes, the different varieties of Rocks and the new breed, the Orpington, are so much the rage among fanciers, the old standard breeds are apt to be lost sight of in a desire to combine in the one fowl a good egg and meat producer. It is a well known fact among breeders that this cannot be attained, that the one quality has to be sacrificed to gain the other. Knowing this to be a fact, the writer desiring a breed that was the greatest egg producer and at the same time a handsome and hardy fowl, selected the Black Hamburg as the one combining these qualities, and were they better known would be bred in greater numbers, as they are a veritable egg machine, and as for beauty, no black fowl in the Standard can surpass them. The Hamburg breed was introduced into England from Holland, or North Germany, and eventually took the name of the noted seaport, Hamourg, although at that time and for many years after their introduction into Great Britain, they were known as the "Dutch Every Day Layers." In all probability, up to the poultry show era in England, none of the varieties now so designated, bore the name Hamburg, and previous to that time, the Blacks had been known as Black

Pheasants, being finally named Black Hamburgs at the great Birmingham show. They are beautiful, symmetrical and stylish in carriage. They have been much improved in the beauty and uniformity of plumage since the era of poultry exhibits, but not in productiveness, as that is hardly possible, for they have long maintained the reputation of being "every day layers." Birds of the Hamburg family are of only medium size, but their deficiency in size is more than made up for by their fecundity. Both sexes exhibit such glossy and elegantly marked plumage that they are looked upon as special favorites wherever shown or cultivated, and when well bred, are truly ornamental, possessing fancy points that render them pleasing to those who desire to keep a fowl that will furnish plenty of eggs and also be a gratification to the eye. For table use, though small, they are very good. Their flesh is tender, with little offal, having a larger proportion of the dressed weight in flesh, from the delicate structure of the skeleton, and is fine in quality. Among black fowls there is no richer color than that possessed by the Hamburg, the elegant beetle green in neck, back, wing bows and tail coverts on both male and female, is not quite equaled in any other black fowl, and it is characteristic of this fowl that they invariably breed true to color and shape. The writer has bred Black Hamburgs exclusively since 1882. When one considers the good qualities which this variety possesses, it is surprising that so few entries have been made at the poultry exhibits. It is the hope of the writer that this article may have the effect of creating a greater interest in this splendid variety of the Hamburg family, that at our future shows a greater number of exhibits may be found, and the Black Hamburg will again resume its proper place among the important breeds of poultry.

RICHARD L. CRONDER.

The Hamburg is a fowl that, if only better known, would be much oftener found in the yards of those who keep poultry for profit. As chicks they are easily raised, feathering quickly and maturing very rapidly, and will begin to lay when about five months old. They are prolific layers of a good sized egg, and being non-setters, are almost continuous layers. Being small in size the Hamburg does not rank high as a table fowl, but although small, they are very plump and their flesh is beautifully white and very delicate. The black variety is a very beautiful bird, their plumage being of a rich greenish black throughout, and are as pretty a fowl as can be seen. They are a very active fowl, but will stand confinement as well as most any other variety.

As a show bird the Black Hamburg has always been a favorite, as they can be shown with very little trouble, being always clean, at least they don't show dirt.

Back in 1876 and 1877 the Hamburgs were bred very extensively in this country, and at that time were among the leading varieties, but of late years have been crowded into the background by the larger breeds, but at the present time there are a goodly number of Hamburg breeders, who devote their time and attention to this very meritorious fowl.

The Silver Spangled and Silver Penciled Hamburgs are both very handsome varieties, and of late years the Silver Spangled have led the other varieties in popularity. We cannot say why this is so, but it is a fact nevertheless. The breeders and admirers of the Hamburgs should by united effort endeavor to bring their favorites up to the high plane which they are entitled to. They are easy to breed true to standard requirements, and are very hardy; easy feeders and nothing can be more pleasing to the eye than a nice flock of well-bred Hamburgs.

Without doubt the most handsome fowl of all the small varieties is the Silver Penciled Hamburg. But few of these handsome birds are seen in the show rooms in this country, but in England, where they are bred very extensively, no show is complete without a large display of these very pretty birds. They are good layers of a fair sized egg and, although of small size, the meat is very fine in flavor.—Ed.]

First and second-class poultry should never be packed together. In such a case they are all rated at the second-class price. Males and females must never be in the same package, or rather, mixed. Thin stock and that which is well fattened should be by itself and the contents and grade be marked on the outside of the box. Ship in packages weighing from 100 to 200 pounds. Before packing line the inside of the boxes with paper and place clean paper between the layers, and several thicknesses on top. Pack tightly and full up to the top, so that they cannot shuffle about on the way and become bruised. Ship to a reliable commission house, write plainly on the outside of the box the contents, weight, address of the firm shipped to, as well as the name and address of the shipper.

SYSTEMATIC RECORD KEEPING.

In all branches of business we find that to obtain the best results it is necessary to keep accurate records of all business transactions. The system of bookkeeping has solved this problem for the merchant, but the system of bookkeeping which is in use by all merchants, does not, and can not, fill the bill completely for those engaged in the poultry business. There is no other line of business that requires more thorough and systematic record-keeping than does the poultry business, where the best results are to be obtained. I think I would be almost safe in saying that there are almost as many different systems of record-keeping as there are breeders that keep records of their business. I do not think that all breeders could adopt the same system of record-keeping successfully because some will go into the fancy, others will run egg farms and others broiler plants, etc. Every season there are hundreds who make their first purchase of eggs, or stock, from the different standard breeds of fowl. Many of these new beginners are practically strangers to the business, and would probably appreciate any thoughts from others that may be of use to them. It is to this end that I will try and give to the readers of the AMERICAN POULTRY JOURNAL my system of systematic record-keeping. I do not wish to dictate to any breeder what system of record-keeping he should adopt, but would emphatically say adopt some system of record-keeping. In order to explain my system of record-keeping intelligently I will take it up in sections, namely: First, the individual pedigree record of each bird. Second, the individual egg record of each hen, or pullet, in the breeding yards. Third, show records. Fourth, records of all sales of eggs for hatching, and stock sold for breeding purposes. Fifth, a record of all expenditures, and receipts for the year. I use a book that is lined only one way. Then you see I can line it to suit myself. After I keep one year's records in a book I enter up a new book for the following year.

The following is a blank for the individual pedigree record of a bird. I record the name and leg band number of the bird, giving its sire and dam. Then below I have a duplicate of the score card, in which I record the outs. I do not breed Barred Plymouth Rocks, but will record one here to show just how I fill out the record. This system of pedigree record-keeping makes it a very easy matter to trace back the markings of the ancestors as far back as the records have been kept:

Date of sale or purchase	To whom sold or of whom purchased	No. of eggs	No. of birds	Eggs		Cock		Cockerel		Hen	Pullet	Leg Band No.
				Sold	Bought	Sold	Bought	Sold	Bought			

Name and No. Violet No. 5684. Sire King B. No. 3652; Dam Princess No. 65.

Breed, B. P. Rock. Sex, Pullet. Band No. 5684. Weight 7½.

Entry.	Shape.	Color.	Remarks.
Typical Carriage	½	..	.....
Weight .....	..	..	.....
Head .....	..	..	.....
Eyes	..	½	.....
Beak	..	½	.....
Comb	1½	..	.....
Lobes and wattles.....	..	..	.....
Neck	..	¾	.....
Back	½	½	.....
Tail	¾	¾	.....
Wings	..	¾	.....
Breast	½	½	.....
Body and fluff.....	..	½	.....
Legs and feet.....	..	..	.....
Hardness of feathers....	..	..	.....

Outs 8½. Score 91½.

Next will be my plan of individual egg record of each hen in the breeding yards. In connection with this egg record which I keep in the Pedigree Record Book, I make a calendar for each hen say beginning the first of October, 1904, ending October 1, 1905, which I tack up in the hen house. I put the number of the hen's leg band on the calendar. When I take a hen out of the trap nest I make a mark over the date on which the eggs were laid. At the end of each month I tear the leaves off of the calendars for the past month, count up the number of eggs laid during the month, and record same in

the individual record. In this record I have an accurate account of all eggs set, eggs broken in nest, infertile eggs, etc. One cannot realize the full benefit of this record unless they keep it awhile.

VIOLET NO. 5684.

Egg Record.

Date.	Eggs laid.	Eggs set.	Eggs broken.	Infertile.	Eggs hatched.	Date of hatch.
Oct. 1904 ...	..	..	..	..	..	..
Nov. 1904 ...	9	..	..	..	..	..
Dec. 1904 ...	18 15	Dec. 30.	1	3	11	Jan. 19.
Jan. 1905 ...	..	..	..	..	..	..
Feb. 1905 ...	..	..	..	..	..	..
Mar. 1905 ...	..	..	..	..	..	..
Apr. 1905 ...	..	..	..	..	..	..
May 1905 ...	..	..	..	..	..	..
June 1905 ...	..	..	..	..	..	..
July 1905 ...	..	..	..	..	..	..
Aug. 1905 ...	..	..	..	..	..	..
Sept. 1905 ...	..	..	..	..	..	..

My plan of show records is as follows: This record is not, as necessary as the other records, but it is helpful and well worth keeping.

SHOW RECORD.

September 1, 1904,

to

September 1, 1905.

DATE	No. of bird	Place of Show	Regular Premiums	No. of birds in class	Amount of Premiums	Pen or Special

Next I will give my plan of keeping record of all eggs sold for hatching, and stock sold for breeding purposes. This record enables me to trace back the date of sale, and name of purchaser, also the number of the bird or birds sold. When I get an order for stock from a breeder who has purchased from me at a previous date I can refer to this record, get the number of the bird; go to the pedigree record book, there I have his number and markings recorded. Also all of his ancestors as far back as the records have been kept. This record enables me to select a bird which will give the desired results more accurately than if I did not know the breeding of the previous stock sold.

Last but not least is a record of all expenditures and receipts of the business. For this record I use an ordinary ledger. I charge the birds up with all the expenses connected with the business and give them credit for all eggs laid, and all stock sold. At the end of each month I foot up the expenses, also the receipts, subtract the expenses from the receipts and I have the net profit for the month. At the end of the year I add up the net receipts for the twelve months, which gives me the net profits for the year. This is a record that should be kept by all breeders. Some may think that it would take a great deal of time to keep so thorough a record as this. Time! it would be, if it were not systematized. Such a record may be kept easily by just a few minutes each evening after supper. There are a great many little things to be looked after in the poultry business. It takes patience! It takes time! But the breeder who has the patience and will take time to tend to the many little details of the business will certainly be richly rewarded.

Pleasantville, Iowa.

BURTON J. HOLT.

Self-shelled eggs are caused generally by a lack of lime in the food. The shells are a lime formation, and if there is not a sufficient amount of that material in the food, the shells will not harden. The trouble has also been traced to indigestion in fowls. An overfat condition, too, will show itself in the nature of the egg when laid. Instances are known where hens frightened or annoyed by dogs have dropped eggs with a soft shell.

Market as soon as the desired weight is obtained.

THE PROCESS OF MOLTING.

Care of Fowls During Molting Period—The Proper Feed and When to Feed it for Best Results.

Molting is a gradual ripening of the feathers, after they have reached maturity, and this process is sometimes so gradual as to be almost imperceptible to the careless observer, it being only noticed by the fading of the lustrous sheen, and a dullness of the whole appearance of the web of the feathers. When fully ripe the oil in the quill has dried out or more properly speaking has been absorbed, the last particle being that at the connection of a tiny nerve center (I don't know what else to call it, for it reminds me of the nerve connection of a tooth at the root) in the end of the quill, leaving the quill dry and pithy inside, it is then that the feather may be said to be fully ripe and ready to drop. It may also be compared to the process of ripening fruit, which when perfectly ripe the connection between it and the body severs and the fruit falls to the ground. The connection between the quill and skin and the feather has nothing else to do but to fall out, but we often see fruit hang on the tree that is ripe and ready to fall, but does not, and the tree seems to have no power of its own to disconnect it. It is then that nature helps it out by sending along a friendly wind to shake it off, and we have read of feathers being stripped from their rightful owners by a cyclone, but this is not nature's process, nor even could it be considered a helping, friendly hand, in an emergency case, but the fowl can and does help itself. You will see them going over their feathers quite often through the molting season and, if you notice carefully, you can see that they are loosening every particle of old dead skin that has dried too far down on the feather. Feathers on the fowl's body are in rows and clusters, and a fowl will go over one section at a time, dressing and oiling and pruning, you might say, for very often they take out a loose feather with their bill. You never find a feather with any pigment or oil in it, unless it has been removed forcibly.

We sometimes think from the fowl's actions that it has an itching similar to that of the new growth of flesh about a healing burn or sore and to make sure that the new growth of feather may have a good start and be started right it is necessary to clear and prepare the new surface for it and that the fowl is doing this when it picks itself so much during the molting season. Of course we may surmise that lice is the all absorbing subject, claiming the fowl's attention, but I hardly think so to any great extent, because a healthy, hustling fowl will keep itself reasonably free from lice.

As for the care of the fowls during the molting season, which always comes in hot weather, we consider shade one of the first essentials and we have always been blessed with an abundance of it in the form of trees and bushes. We don't want the sun to burn and fade the new plumage while it is in its first stages of growth, nor to burn and blister the poor naked backs and wings before the new feathers have time to cover them, so we consider shade as a very important item, the shade of green foliage first, but, if that is not to be had, anything to keep off the burning rays of the sun. For the past two seasons we have had one fowl in a bank hen-house, a sort of semi-cellar cut into the sidehill, the back side walled with rock and the south side boarded up, and although there are plenty of trees for shade outside, the hot winds blow under them and after the hens take their morning ramble on their range they all go back to the hen-house and squat about on the floor through the heat of the day. The house has a solid sand rock floor and through all this dry time it has been damp and cool, not wet, but just sufficient moisture to keep it from being dry like the ground outside.

I had about seventy-five little chicks hatched the Fourth of July. I put them out in the shade under the trees, with their mother hens, but the hens would not stay out. They and the chicks, too, would pant for breath while out, but were as lively as crickets and scampered about, not exactly bug-hunting, but ant-hunting along the walls. About the same time we opened all the gates and turned all the hens together, but they seemed to congregate in one or two rooms along with the early hatched grown-up chicks and we had to separate them again, putting them back in their own yards. One yard opens out into what we call the range, another opens into a large orchard and another in three yards in one, so that they still have plenty of room. Molting fowls will not range as far as at other seasons, unless they are very hungry.

It is easier to tell "what" we feed than "why" we feed it. We give a very little corn, plenty of wheat, oats with what they pick up in the way of bugs and grasshoppers, which are plentiful this season, comprises their daily meal. At night we feed wheat, all they will eat up clean, for a change a full feed of oats occasionally and once in a great while a feed of

corn. We do not feed much in the morning because the mornings are long and cool and they can forage. We feed nothing at noon and they don't seem to need it, unless you have spoiled them to expect noon feed, in which case they will not take the range enough in the mornings for needed exercise. One pen or yard can go to the feed lots and get corn, but I notice they never go up there at noon, only early in the morning. Often before I am up I can hear them go by the house, for the feed lots are on the other side from the house; some of them go there at night, but chickens are easily trained and they expect me to feed them at night, so they wait for it. They have crushed oyster-shells before them all the time, also sand and grit, though this provided by nature, the house being built in a sand rock quarry and another quarry in one of the yards; besides the dirt in front of the house all along for the width of four to ten feet has been scraped away, leaving the bare rock, which crumbles, leaving a fine sand. If I were providing grit for fowls, though, I would get something with sharper edges than sand. It grinds better. We have used the Mica Crystal and also the Wabash limestone; both are good. The oyster-shells we have are a good quality, hard and sharp and serve well the double purpose of furnishing grit and lime.

Plenty of clean water at all times, to be kept as cool as possible, is another essential to the healthy growth of new feathers. We have some of the patent fountains and like them, but a common milk crock is just as good as anything else, when there are no water-fowls to muss up the water, nor little chicks to get in and drown. When we want more water fountains than we have, we make them for temporary use by filling a gallon jar with water, turning a layer-cake pan upside down over it, then holding firmly together with both hands, turn it over quickly and put it on the ground and gently raise one side of the jar and slip a small stone under the edge to keep it tilted up, but the edge of jar must not be higher than the pan or the water will all run out. Crockery ware makes much the best water-vessels in hot weather, but when it comes freezing time, we use tin or galvanized iron. It would seem hardly necessary to say that this water should be set in the shade, yet one season I let some of my fowls out to be raised on the shares, but the party who had them was of the go-a-visiting kind. Go to everything that came along, go early in the morning and stay all day. I went there one day and found no one at home, but thought it was no breach of etiquette, but rather a good business principle to look about the henry, as I had an interest in it. I found that all the water that was left for the poor chickens was in an old greasy, wooden swill pail, so filthy that there was a rim of black dirty grease all about the top edge. It was sitting out in the broiling hot sun where no possible chance for a shade could reach it, neither at morning, noon or night. The bucket was full, but I believe the chickens would have perished for water rather than touch it. There was no excuse for setting it there, only shiftlessness. Did they make a success of the business? No, they did not. We were to have our original number of fowls back at the end of the year with half of the increase. We did not get the original number back and by mutual agreement we took them long before the year was out. We were glad to get back what we did.

We paint our hen roosts occasionally with crude carbolic acid or one of the liquid lice paints. This does away with all mites and cleans up the scaly feet and shanks, leaving them smooth and bright. We have not this year, but have in other years dipped our fowls in a good strong soap suds, with a little coal-oil mixed in, say a teacupful of coal-oil to ten gallons of nice luke warm suds. This rids the fowls of lice, takes out many loose feathers, cleans the skin, which sometimes becomes dirty and scruffy, and puts them in good condition to grow the new crop of feathers.

We have never experimented extensively with the different kinds of food to produce different shades in color of plumage, always being satisfied with our method as outlined above, but we have experimented enough to know that it is extremely difficult to get the required shading in some parts of plumage without materially injuring some other essential part in the color scheme of the whole fowl. We have experimented more with white fowls than with any of the parti-colored varieties. Trying to get a chalk-white plumage would give us more than we liked of a gray iris in the eye or pale feet and shanks, though in the light of after years I believe we got those more by selection and culling than by anything we fed to produce different tints in plumage. Feeding yellow corn to fowls will give yellow feet and shanks, but will also put a creamy tint in the plumage, which deepens in shade on undercollar and underside of wings. Too much sunshue will give brassy backs and hackles. Of late years we have discarded all efforts of special feeding to produce special results; the results did not pay for the efforts. We now give good wholesome food in a variety of grain with as much range as possible, and let nature take its course.

MRS. MAY TAYLOR.

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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide circulation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

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State of Illinois, County of Cook, ss.

Chicago, May 24, 1905.
James W. Bell, manager of the Recorder Publishing Company, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding thirty-seven thousand copies of the May, 1905, issue.

JAMES W. BELL,
Subscribed and sworn to before me this 24th day of May, 1905.

BLANCHE ELDER EDDY,
Notary Public.

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Kansas State Laying Contest.

The report of the first half of the period of this contest which appears elsewhere in this issue makes very interesting reading and furnishes food for thought and study. One of the first things to attract our attention in this report was the great difference in the individuality of the hens. For instance, in the Rhode Island Red pen, which at the present time, is first in the contest, it will be noticed that No. 233 laid 97 eggs, while No. 218 laid only 47, a difference of 50 eggs. In the Rose Comb White Leghorn pen a still greater difference is noted. In this respect, it will also be noticed that No. 411 in the White Wyandotte pen leads all the others by a good margin, with a record of 112 to her credit.

This contest, in our opinion, goes to

show that the breeders should give more attention to the individual egg yield. A number of the hens in this contest have not laid enough eggs to pay for the feed they have consumed, to say nothing of the cost of caring for them. The White Wyandotte Club of Kansas is doing just what every breeder of poultry should do—hold a laying contest. This can be done very easily in the yards of every breeder, by the use of trap nests or other methods whereby the attendant can keep an accurate record of the number of eggs laid by each hen, and thereby find out just the hens that are the money makers. A hen that does not lay at least 100 eggs a year is a losing investment and should be disposed of. In this way the egg yield of the whole flock can be greatly increased, and we believe that the time is not far distant when it will be no uncommon thing to have flocks of laying hens averaging close to the 200 eggs per hen mark.

Growing Branch of the Industry.

Nature cannot be improved on. The newly hatched chick is provided with sufficient nourishment to sustain it for two and in many instances, three days. This fact makes the shipping of newly hatched chicks not an overhazardous undertaking. The business of selling young chicks is growing faster than any other branch of the industry and it would seem that in the near future most every breeder would be sending out newly hatched chicks as well as fresh eggs for hatching, from his prize matings. New Jersey can honestly claim to have originated the idea—at least this state was the first to advertise young chicks at so much each. There are a few California breeders sending out young chicks; New York ships more than any state, we believe; a woman out in Nebraska cannot supply the demand; Iowa fanciers are trying their hands at it. As a rule the young chicks get to their destination without trouble and quickly. Expressmen are careful of them as they are interesting and provide much amusement. A few simple directions on the box, or a card containing them tacked to the crate or box, aid to get the chicks through without trouble. Those who ship chicks by this method should have more to say about it. The poultry public is ever ready to learn and adopt valuable ideas.

We Are Expanding.

South America is taking up poultry culture on a fair scale. Brazil and the Argentine Republic are the latest to come out in sending pupils to this country and England to learn the work of poultry raising. Some few years ago we saw advertising that asked for poultry experts to go to these countries and operate big poultry farms. Mexican plants have increased in number very rapidly and we enjoy a large trade in pure-bred stock and eggs, as well as appliances, with that country. The industry in the Mexican and South American republics is largely commercial, so large, in fact, as to be wholly of that nature. There is no demand for pure-bred settings or breeding birds and hence those who take up poultry rearing there must depend on their skill as raisers rather than as breeders. A few miles from Rio de

Janeiro, Mr. Feliciano de Moraes owns a large estate, part of which is turned toward poultry rearing. Brahmas, Langshans, Cochins, Rocks and 'Dottes, and Orpingtons are kept. This plant is largely in the experimental stage but the owner says its success is assured. High prices for fair quality in dressed fowls and fresh eggs always may be obtained. The common disease there is "warts." It must be as dreaded there as roup is here. Another South American who has come to the United States to study animal husbandry is Mr. E. L. Marino, of Argentina. He will soon return to his father's plantation to put into practice his learning acquired in this country. South Africa came to the front rapidly as a poultry country. Americans have sent many shipments there, as well as to Australia and New Zealand. These are increasing yearly. England has a much greater trade in pure-bred fowls with her own colonies, of course, but we will soon make the American invasion of pure-bred fowls a matter of history in her colonies. As our foreign trade expands we must increase the quality sent out—it means more business and the uplifting of the American fancy.

The Fancy as a Calling.

No one need fear of the fancy being overdone. The "short-term" fancier and the demand for good birds by those starting in the business will keep up an active demand for high class stock for many years to come. The small per cent. of really high class exhibition birds from the average mating will also help keep the market alive. From five to ten per cent. of the best matings produce top birds. Fifty per cent of any variety or breed should be sold for table use or kept for market eggs. Line breeding, a closer following of pedigrees and severe selection will improve these averages in any breeder's yards. The fancy presents as much of an opening today as the breeding of any class of pure-bred stock. It can be entered more cheaply, and for the man of real ability as a student of breeding, the returns will come sooner than in any other field. Hard work with the hands and good head work, will put the breeder to the fore early. There are many men who are putting the best they have in themselves into the business of poultry breeding; and they are making names for honesty and success. Stand up for the fancy and the business in general! There is room at the top, and applied manhood can get there. The fancy is a recognized calling and many glory in it.

The Reds are Worthy.

In the May issue of the *Poultry Herald*, Mr. E. W. Wickey, says that the first mistake made regarding the late Rhode Island-American Red fiasco was perpetrated when the Single Comb Reds were admitted to the Standard. He says they are a mongrel breed and that no other can be so used as they to defraud the public in general. At times—but these are very few—some off colored birds of other buff breeds are palmed off on the inexperienced. But if the truth were known these instances are fewer than the fancy is given credit for. The Reds are no more of mongrel breeding than Rocks, Wyandottes and Orpingtons. They

have a mission to fulfill and are doing it. True, they are not as perfect in feather nor is their blood as strengthened as that of older established varieties and breeds. The "American Idol" was at one time called the great American Mongrel. If we were to breed only what are termed pure-bred fowls or thoroughbreds, the dual-purpose fowls would be stricken from our Standard and only Cochins, Langshans, Black Spanish, Leghorns and Minorcas remain. If these breeds were traced far enough into the past they, too, would be found to come from a mixture or scrub fowl. We cannot believe the fancy as corrupt as some intimate nor that there is no good in this new breed.

The Columbian Wyandotte, with its striking coloring, is becoming a hot favorite among fanciers. The Partridge and Silver Penciled came into favor very rapidly, but the Columbian is striding in almost as fast. Breeders of the Columbians claim that they have plenty of real merit to back up their beauty. This is what it takes to make any variety popular. Some fanciers of Asiatics are complaining because new breeders—ninety per cent. of them—take up the American breeds. This is because of the great demand for them. They are general purpose hens that do pay good returns. So do the Asiatics, but they need some real live clubs to push them. They have merit but it's publicity they need to get them to the fore again. It has been said that when a certain man takes up a variety, "You can bank on a boom." Those who are pushing Columbians are, or have been, successful with other breeds. The publicity that counts must be based on a worthy foundation. Then it take a publicist to bring them out. The debut of the Columbians has been successful.

A New York engineer has discovered a rare specimen of the *gallus bankiva*. This hen has but one leg and he is setting all her eggs in the hopes of originating a new breed of great usefulness. You ask where the usefulness comes in? She is easily caught when wanted for dinner: she cannot range too far, thus causing worry over hen and brood; you always know where to find her when a shower blows up; she cannot injure the garden unless provided with a wooden leg and these can easily be kept out of reach: she is not liable to encroach on the neighbor's hyacinth bed and provoke his wrath—indeed she is a very useful hen. Her worst fault is that she has but one drum-stick; and where the children are gathered about the family board this missing leg would cause trouble. Let this dear hen's tribe increase! We can stand one more new breed, anyway, when they have the merit of this one.

There is a method to tell what the sex of eggs is before hatching but we do not know of it. There are some queer theories advanced concerning it. A queer one is that pointed eggs hatch cockerels

and the round ones pullets. Another is that eggs set as soon as laid hatch pullets; those that get cold hatch cockerels. One says that if the pointed end lays to the north it will hatch a pullet; if to the south, a cockerel. This refers to the lay of the egg in the nest as the care taker finds it. Another says that eggs laid at night or in the afternoon hatch pullets; those in the morning, males! The sex of a fertile egg cannot even be told with an X-ray machine as with the naked eye the germ's sex could not be distinguished. The fancier who will become immortally famous will be he who can with certainty select eggs that will hatch chicks according to sex desired.

The interest in good poultry is spreading, says the *Egg Reporter*. This spacy little journal knows a few things about the egg trade and where eggs come from. The southwest, Oklahoma, Indian Territory and Texas are producing twenty-five to fifty percent. more eggs this year than last. This is one of the good signs of the times and shows where the fancy is growing. Some good plants have been put up down there and they are doing a husky business, if we may be allowed to use the term. Where people get a part of their substantial profits from egg production it means that soon they will be keeping only pure-bred fowls.

Perusing the columns of our English cousin, *Poultry*, we note that a large number of advertisers offer setting hens or broodies, as they are called over there. The prices range from four shillings (about one dollar) down to two shillings. Two advertisers of broodies print testimonials which show that their sitters really give satisfaction. Some advertise Buff Orpington setters, some cross-bred setters, and others of various breeds. Tested broodies come highest. Small ones bring as much as large ones. Some are sent in baskets and some in returnable boxes.

Once more Editor Robinson comes forward with a previously unthunk thought! He asks his readers if it would not be a good plan to do the judging this coming season by the old Standard, inasmuch as their matings were made by it. This brother can always be trusted to dish up a few choice and new thoughts on anything poultry! It's up to him to show us wherein the new work will interfere with the product of birds mated by the old one. Give us some good reasons for still hanging to the old work. You know the treasury needs the money!

What penalties does your state impose on chicken thieves? In Massachusetts a first offense merits nine months in the house of correction; an old offender gets at least three years' time in prison, and accomplices or those who receive stolen chickens get about the same. Fanciers know that these terms are none too heavy. The heavier they are, the better, for what can be more successful



Don't Blame the Hens

for leaving their nests when sitting; for failing to lay their full number of eggs; for being thin and scrawny; for moulting badly. It is not their fault. As long as lice are permitted to "rule the roost"—infest their bodies, these conditions will prevail. The feeder will feed the flock very much as he would fill a leaky pail with water—at a great loss, and until the leak is stopped—until the hen is ridden of lice—can full return or profit be expected. It will take but a few minutes to turn these conditions into comfortable and profitable surroundings with

Lambert's

Death to Lice

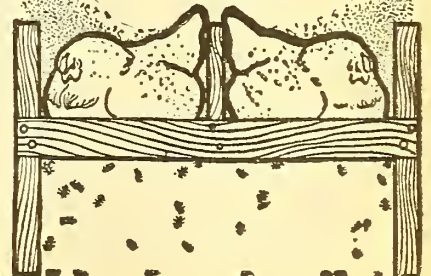


You'll find a few cents invested in this efficient lice remedy will bring returns worth dollars. It not only rids the henneries and fowls of the pests but kills them and the mites outright. Put it on your sitting hens and watch how easy and contented they will rest. It cannot hurt eggs, chicks or hen. Equally good for all body lice on poultry, horses, cattle, dogs, hogs, plants. It's the poultry keeper's "friend in need." A fine powder easy to apply that goes direct to the skin through hair or feathers. Lambert's Ointment is splendid for head lice on young chickens. Sample box of either 10 cents post paid; 100 oz. Death to Lice by express \$1.00.

O. K. STOCK FOOD CO.

D. J. Lambert, Vice-President

408 Monon Bldg.
CHICAGO, ILL.



AMERICA'S "BIG FOUR"

Barred, White and Buff Rocks and White Wyandottes that are pedigreed. Trap nests used exclusively. No loafers here. Write for my new finely illustrated 56-page catalogue, the best you have ever seen, sent free if you mention A. P. J.

H. P. RANKIN

Box 61, Hartington, Neb.

in causing thieves to suspend operations than heavy sentences? When the fancier's coop is entered it is always the best chickens that go and the heavy sentence may help matters.

Poultry, good poultry, is a sign of fellowship the world over. Mr. Manley, the secretary of the American Partridge Wyandotte Club, has sent on behalf of the club four ribbons, two each for specials on color and shape, to the English Partridge Wyandotte Club for prizes at this club's next show. Our cousins say that they are splendid specimens of prize ribbons. This is the first time that anything of this nature has occurred, hence is worth chronicling. The placing of these ribbons will be watched with interest as they have never given specials for shape and color previously.

Out in California they have been having a tussle with the score card vs. comparison discussion. And the result is that the next Los Angeles show and subsequent ones will be judged by comparison. The strenuous West in the vicinity of the Golden Gate doeth things with great dispatch.

If there is a really entertaining writer on things chicken, Henry W. Kruckeberg, of the *Live Stock Tribune*, is the one. He starts a series of little journeys to the homes of California fanciers and his first is very entertaining. He adopts the Fra Elbertus style and could easily be termed the Elbert Hubbard of the fancy. We are ready for number two.

The White Langshan breeders are showing commendable activity and enterprise, and anticipate organizing a White Langshan Club at Portland, Oregon, during the Lewis and Clark Exposition. There is no reason why this should not be one of the best Specialty Clubs in the country. Mr. A. H. Asche, of Princeton,

Ill., is acting as secretary until permanent organization can be effected. Mrs. J. S. Hill, of Purdin, Mo., writes very entertainingly regarding the hopes and plans of the proposed new club in this issue of AMERICAN POULTRY JOURNAL. It is just such enthusiastic fanciers that makes the success of any variety assured.

Poultry, formerly published at Freeport, Ill., has moved to Peotone, Ill., where the publishers are erecting a building in which they will install their own printing plant.

TWO WAYS OF CARING FOR FOWL.

I have kept poultry for more than 20 years, but it is only within the last few years that I realized the immense profits that can be derived from a good flock of birds if they are well cared for. I took care of my birds as all the farmers in this vicinity did, and as many do now. We kept them in a cold house with cracks of about 1/2 inch or more in the board floor. The floor was about 2 feet above the ground. The windows were small and did not admit much sunlight. The roof was not waterproof and when the rains of spring and autumn came, it leaked through the roof, causing the house to be very damp. The coop was cleaned at the most twice a year; naturally a foul smell pervaded the coop, making it a very disagreeable place for anything alive to inhabit, with the exception of lice and mites. Rats, raccoons, skunks and minks paid frequent visits to the feathered tribe during the warmer seasons. As many as seven birds were killed by these pests during a single night. During the cold winter months the fowls would sit on the roosts half frozen. They had no scratching material to keep them busy. Many were sick, having roup, cold, diarrhoea, and many other diseases. During one summer we lost all our chickens with the exception of ten from a flock of fifty from chicken cholera. Lice were very plentiful. Eggs were scarce. During the cold winter months it would sometimes be four weeks before we would get an egg. We fed them oats, corn and rye, and a sloppy, steaming hot mash consisting of cooked oats and potato peelings, in which was stirred a little bran and cornmeal. The young chickens were fed on wet corn meal, causing many to die. Ought I to be surprised that the chickens were sick and laid eggs so sparingly. No. But I was at the time. We never thought that it was necessary to give them some green and annial food, grit and oyster shells during the winter months. Chickens were looked upon not as a profitable investment, but as something that claimed a place on the farm for some unaccountable reason.

A few years ago a sample copy of the AMERICAN POULTRY JOURNAL strayed into my hands. I was deeply interested in it. I read how other people cared for their chickens, got plenty of eggs, and how many made a living by turning their sole attention to poultry raising. Surely, thought I, they must employ different methods than what I did. I sent in my subscription and began to devour the pages of the JOURNAL. I most anxiously awaited each issue.

I now began to improve things slowly. First of all I built a new poultry

house, which is warm, comfortable and has two large windows on the south side to let in plenty of sunlight. Sunlight is a preventer of disease. In caring for our birds we can easily tell what will be beneficial to them (in most cases), by looking at our own life and seeing what is beneficial to us. Exercise is necessary for man. The same can be said of our poultry. We give them cut straw for litter in which all the grain is fed. They work hard in here the greater part of the day. The coop is cleaned thoroughly once every week. We have a large box filled with ashes which serves as a dust bath. Grit and oyster shells are constantly before them. We whitewash the coop twice a year, in the spring and fall. The food bill for 75 birds consists of the following menu. Mornings a mash composed of equal parts of bran, hominy and middlings, one handful of linseed, a pint of bone meal, or ground fresh bone, or meat, and some clover which has been steamed over night. This is mixed with skim milk to a crumbling state. A little salt is also added. Within one-quarter hour this mash is consumed. I now throw in a few handfuls of grain. About ten o'clock they get cabbage or some beets, which is a great treat for them. Noons I feed oats or barley. Evening wheat or corn. The birds are all full of vitality and in perfect health, and their egg record has improved one hundred per cent in two years.

JOHN A. VOLLMER.

GETTING POULTRY HEAVY ENOUGH.

There are lots of poultry raisers, but there is not one breeder in twenty who has birds large enough to come up to the standard weight. Some breeders think that if their birds are not heavy enough, it is because their birds are not getting enough to eat. Begin as soon as the birds are hatched. The first thing is lice; look after them; get some good lice killer and catch the chicks and sift into the down and also the mother hen. Repeat this every week and you have the first start towards getting weight.

The next thing is feed: Don't feed anything for 36 hours and then don't feed too much boiled eggs; it should be fed for the first two or three days, after that feed oatmeal, just what they will eat up clean and scratch for more; then keep them scratching the rest of their days. I don't mean to starve them, but I mean to feed just enough to keep them scratching after they get through eating. You see the little fellows scratching and peeping, you can see that they are happy, and that is just what you want; keep them happy and they will reach the standard weight. Feed wheat and later feed corn and oats. Let them run through the fields and meadows. The birds that spend the first four months of their life at liberty are the ones that go to the shows and get the prizes. It is not all in the feed as long as they are not starved. Don't wait until within three or four weeks of the time you want to show and then try to get them heavy enough by keeping feed before them all the time. Begin right and feed them right and they will be right.

Perry, Ohio. ANDREW M. PETERSON.

Too liberal feeding of boiled vegetables will produce bowel troubles.



The Beginner

begins right who begins with the right machines. Many beginners have met with phenomenal success whose first experience was with the

PRAIRIE STATE

Incubators and Brooders

Some who started with one machine now have 30 or more. We like the beginner. Know our machines will help to make them experts by and by. We were beginners one day—sold 20 machines the first year; sold 20,000 last year. Winners of 385 first prizes. Beginners, and those who have been disappointed in other makes, write for our beautiful, illustrated catalog and begin right. Tells all about Prairie State Machines and is sent free on request.

PRAIRIE STATE INCUBATOR CO.,

Box 468
HOMER CITY, PA.

**REGENT, THE FIRST PRIZE ROSE
COMB BLACK MINORCA COCK
AT ST. LOUIS WORLD'S
FAIR.**

The accompanying cut is an excellent picture of Regent, the Rose Comb Black Minorca cock which won 1st at the World's Fair and created such a sensation among breeders and fanciers and in the journals at that time. The AMERICAN POULTRY JOURNAL said of him in commenting on the World's Fair poultry show: "Mr. Northrup was offered \$1,000 for his first prize Rose Comb Black Minorca cock but he held out for \$1,500. This cock was the wonder and

especially when it comes to size."

The following is an extract from what the *St. Louis Post-Dispatch* said of this bird: "Geo. H. Northrup, Raceville, N. Y., has a rooster on exhibition at the World's Fair poultry show on the head of which he sets a value of \$1,500. When the owner was offered \$1,000 for the chicken Monday, he shook his head, walked away and patted the black feathers of Regent, saying, 'You are too good a bird to sell aren't you? I won't let you go for one cent less than \$1,500.'"

Some people though it poor judgment on my part, that I was not willing to sell this bird for \$1,500, but I considered him worth that price to keep, so

ed notice to that effect has been attached to every catalogue and every price list which I have sent out since March 10th. I have returned a great deal of money which has been sent me by people who had my catalogue earlier. Now I do not wish anyone to send me any money for Rose Comb Black Minorca eggs to be delivered before July 1st or for Rose Comb Black Minorca fowls to be delivered before Nov. 1st. I hope by that time to have a fine flock of them to sell. If I had three times as many Rose Comb Black Minorca hens as I have, the indications are that I could have sold all the eggs they produced at an average of more than one dollar for each egg.



REGENT
First Prize World's Fair
St. Louis 1904
owned by
G. H. Northrup
Raceville N. Y.

ROSE COMB BLACK MINORCA.

Winner of the first prize at World's Fair, St. Louis, 1904. Bred, owned and exhibited by George H. Northrup, Raceville, N. Y.

admiration of all breeders present. He is a massive bird with true Minorca shape. He is, we think, as does his owner, a better bird than the \$1,000 one sent to Germany some time ago."

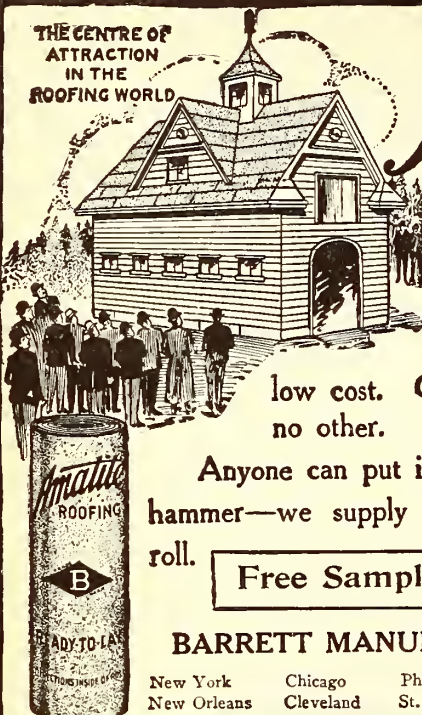
The editor of *Reliable Poultry Journal* said of Regent: "This is the most magnificent fowl I have seen at the show. Standing easily, his comb touched the top of the coop, in fact, he had to crouch slightly. He could not stand parallel to the front of the coop, without having his main tail feathers braced inward, so he generally stood corner to corner. His sickle feathers were not in. A most commanding fowl from every point of view,

why should I sell him for less? I had already sold one bird for \$1,000 and having done so, the price was not so great a novelty as to induce me to sell him for less than I thought him worth. The demand for eggs from my Rose Comb Black Minorcas this season has proven that the price was not too high. I have eight pens of Rose Comb Black Minorcas and have been selling eggs from two of these pens which were specially selected, at \$25 per 13 or \$50 per 30, and from the other six pens, at \$10 per 13 or \$20 per 30. At these prices I had sold, before March 10th, all the eggs I could deliver before June 15 and a print-

This demand is not a boom. It has been the same ever since I have been offering to sell Rose Comb Black Minorca eggs and fowls. People who know the possibilities of Rose Comb Black Minorcas are determined to have them, and the supply of good ones is very limited. The fact that poultrymen throughout the entire continent of Europe are stirred by similar enthusiasm, makes the popularity of Rose Comb Black Minorcas sure for years to come.

Mr. Von Schultzenstein, who purchased the 19 birds from me a year ago for \$3,400, is meeting with immense success with them in Germany. I sent him an-

**THE CENTRE OF
ATTRACTION
IN THE
ROOFING WORLD**



Amatite ROOFING

The new Ready-Roofing that the people are talking about. It's so good, buyers are astonished at the low cost. Once use it and you will buy no other.

Anyone can put it down. All you need is a hammer—we supply nails and cement with each roll.

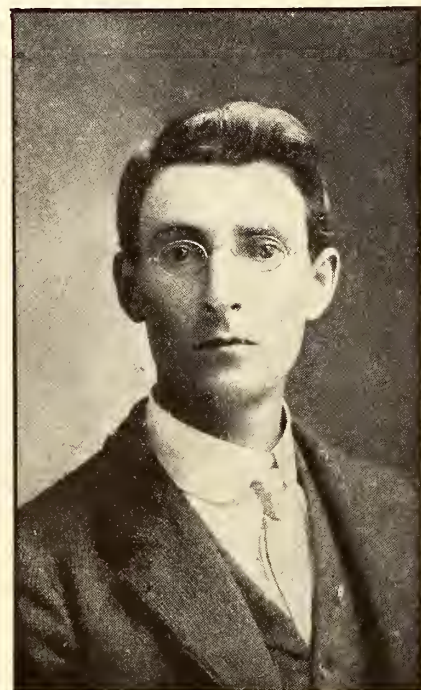
Free Sample Sent on Request

BARRETT MANUFACTURING COMPANY

New York	Chicago	Philadelphia	Allegheny	Kansas City
New Orleans	Cleveland	St. Louis	Cincinnati	Minneapolis

other shipment of fine ones in March and have just received his report that they arrived safely and the hens began laying the day after they arrived. I have his order now, for another consignment of Rose Comb Black Minorcas to go to Germany in the fall.

Contrary to the opinion of Mr. Felch and others, that the Rose Comb Black Minorcas gained their popularity at the expense of the Single Combs, the Single Combs are more popular today than they have ever been before. I have talked with many breeders of Single Comb Black Minorcas at the shows during the past winter and they invariably tell me that their sales have been greater during the past year than ever before. My own experience is that I have sixteen pens of the finest Single Comb Black Minorcas that I have ever owned and the orders



H. A. Emmel, Mars, Pa., the originator and breeder of the famous "Gibraltar Victor" strain of Light Brahmas, S. C. Buff Orpingtons and S. C. Brown Leghorns, also being expert poultry judge of the A. P. A. corps.

There's PROFIT in LATE CHICKS

Because the percentage of fertile eggs is much greater in April, May and June—that means **more chicks**.

Then again weather conditions are more natural—that means stronger, brighter, healthier chicks. Chicks that are hardy and vigorous—that **grow like weeds** and soon catch up with those hatched a month or two before.

18,000 Sure Hatch Incubators have been sold the last **five months** to be used for these **later chicks** and orders are **still coming**. Pretty good evidence that Poultry Raisers are waking up to where the **money lies**, isn't it?

The **Sure Hatch Incubator** is the best of its kind, and is the one **you** should have. It's made from **honest materials** clear through—is so **good** we can and do **Guarantee it for 5 years** and it is

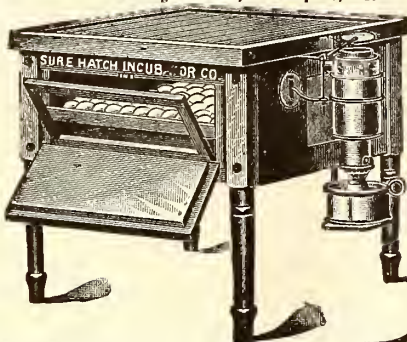
Sold on 60 Days Trial

The **1905** Sure Hatches are **new** machines, conceived, designed, built, manufactured and sold **only** by the **Sure Hatch Incubator Company**. They have **exclusive features** that you can't get in any other incubator, for they're **patented**.

Special Prices
if You Write
NOW

for the summer. Shipments made on the same day order is received.

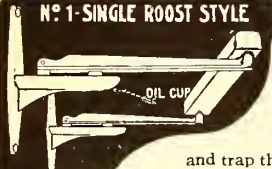
Address nearest office.
SURE HATCH INCUBATOR CO. 631 Clay Center, Neb.
10631 E. Washington Street, Indianapolis, Ind.



for their eggs have taken all they laid faster than they could produce them, so that there has been some delay in filling orders but I expect from now on to be able to fill orders for eggs of Single Comb Black Minorcas with reasonable promptness, but it is only because I have so many of them that I can do so, for the demand exceeds considerably, that of any previous year. It is undoubtedly true that the great laying qualities of Single Comb Black Minorcas have made it easier for Rose Combs of the same breed to gain popular favor but it is equally true, that the frequent mention of Rose Comb Black Minorcas has caused the Minorca name to be much better known, and understood, to apply to the greatest layers of largest eggs of all known fowls, and thus the Single Combs have derived a liberal share of benefit from the Rose Comb and the two varieties have worked together to the advantage of both.

GEORGE H. NORTHUP.
Racville, N. Y.

NO. 1-SINGLE ROOST STYLE



PROTECT YOUR FOWLS.

Don't allow them to be devoured by vermin.

Install Davis Anti-Louse Roost Brackets

and trap the lice. Most up-to-date, convenient, and time saving fixture made. **AGENTS WANTED.**

Prices; No. 1 style with screws, 75c per pair; 3 pair, \$2.00; No. 2 style complete with chains and screws \$1.25 per set, 3 set, \$3.25; f. o. b. Battle Creek, Mich. Write for circular. Ask your supply dealer for them.

The Keyes-Davis Co., Ltd., Mfrs., Dept. B, Battle Creek, Mich.

NO. 2-MULTIPLE ROOST STYLE



To Make Poultry Pay.

Diseases and drowning chickens must be prevented. This can be accomplished by using Sanitary Stone Ware Water Fountains. They prevent poultry diseases and chicks cannot get into them to drown. Poultry judges say they are the best poultry life-preservers ever invented. Send for our special low prices. They will surprise you.



The Reliable Poultry Supply Mfg. Co. Rochester, N. Y.



Ha! Ha! Poultrymen!

Now you can rid your fowls of lice and mites without handling the birds, with our Reliable Sure Shot Nest Eggs. They save labor, time and unnecessary expense. Don't monkey any longer using liquids or insect powders. They are a thing of the past. Order a box of our nest eggs at once, only 55c per box delivered at your door. Your money back if not satisfied. Mention A. P. J. The Reliable Poultry Supply Mfg. Co., Rochester, N. Y.

THE OTHER SIDE OF THE QUESTION.

There are two sides to every question. And in commercial dealings- it is worth something to understand the other fellow's side. No doubt the fancier whose advertising and stock have given him a wide reputation receives letters of inquiry which betray disgusting ignorance of the value of thoroughbred poultry and make unreasonable demands or are woefully lacking in definite description of what is wanted. And then there are the kickers who would not be satisfied with a first prize Chicago winner at \$2.00 unless the expressage was prepaid. And the buyer of eggs who wants the whole setting replaced or refunded because he only got ten chicks out of thirteen eggs. A friend of mine shipped a setting of eggs to a customer a hundred miles distant. In a few days the complaint came that all but five eggs were broken in transit. My friend replaced the setting and was informed that several eggs in the second shipment were broken. Several months later another customer from the same place wrote that Mr. Blank only raised seventeen chicks from the eggs he got. Yes, the fancier has his troubles. But there's another side; the buyer also has his.

If he is young at the business and doesn't quite understand the dignity of the full fledged fancier he makes the initial mistake of writing a number of inquiries on postal cards. He is innocent, but he is in earnest and would none the less make a good customer. In fact he does become a customer—but not of the fancier who despised his postal card.

Several, however, will send catalogue or letter in answer and a correspondence will ensue with one or more who seem to have most nearly what is wanted at prices that are not prohibitory. For, strange to say, even a fancier is not always definite in his description of what he has to sell. The buyer perhaps, being a little vague in his ideal, could not be more definite in his description unless he imitated Mr. Morse's correspondent and copied "the Standard." But the fancier's superior knowledge and the possession of a concrete object to describe should make him definite. If I write and ask: "Can you supply me with a yearling black Langshan cock; if so, please give description, weight, and if possible, score." Out of every three or four answers, one or more will read something like this: "We think we can supply you with what you want. Hoping to receive your valued orders, we are." They don't receive it, however, nor any further inquiry. Another will omit to give weight. Another will describe the bird in general terms and all: "He will score from 90-95," which isn't as definite as the \$10.00 at which he is valued. I might remark right here that in spite of the objection by some breeders to the private score card in making sales by correspondence it serves the very useful purpose of giving definitely and in detail the description and valuation of the bird by a presumably competent and disinterested person.

There are kickers no doubt among buyers and sometimes they have reason. The customary return privilege is not always a complete protection. A local fancier who was at all the shows in this

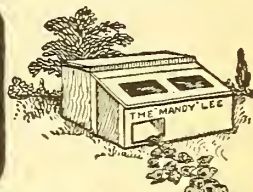
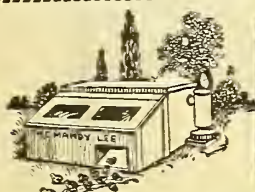
region bought a ten dollar cockerel from a prominent Eastern breeder, having described just what he wanted. When the bird arrived with over two dollars expressage to pay, he proved to be entirely unfit for the purpose he was to serve but the buyer preferred to sell him for half his cost rather than reship to the East.

These are some of the difficulties which the buyer has to contend with and every difficulty to some extent restricts the sale of fancy poultry. By entering into and helping his customer to meet these difficulties the fancier can extend the poultry business in general and his own business in particular. He can do this by courteous acceptance of the inquirer's method of asking for information, by making allowance for smaller familiarity with details of breeding than he himself has, by definite description or definite questions, by practical suggestion, by having his birds scored and thus adding the weight of a judge's authority to his own judgment, by realizing that it is his interest as well as his customer's to supply exactly what is wanted and if he hasn't it to refuse the order.

B. M. DRAKE.

Nashville, Tenn.

Fowls which are overfed in the morning are sluggish all day and become lazy and go out of condition. It is exercise of muscle that creates proper functional tone. All birds are active by nature. If productiveness is expected, natural laws must be observed. Feed moderately in the morning, especially when the flock is small and kept in limited range.



GERMOZONE

Keeps little chicks healthy, frisky, full of life and vigor. A little Germozone in the drinking water two or three times a week will keep them free from all bowel troubles. It's a sure cure for Bowel Complaint, Cholera, Roup, Throat Inflammation, Canker, Frosted Combs, etc. 50c per pkg., postpaid.

"The Germozone you sent me arrived O. K. and acted like magic on my sick chickens." R. Easterbrook, Malta, Montana.

"I have used Germozone for a long time and have not had a single sick chicken since I commenced using it." F. C. Kendrick, Dansville, Mich.

Our 1905 Calendar and Egg Record—a valuable book full of poultry helps and hints, useful every day in the year—sent free. Write for one today.

GEO. H. LEE CO., BOX 91, OMAHA, NEBRASKA

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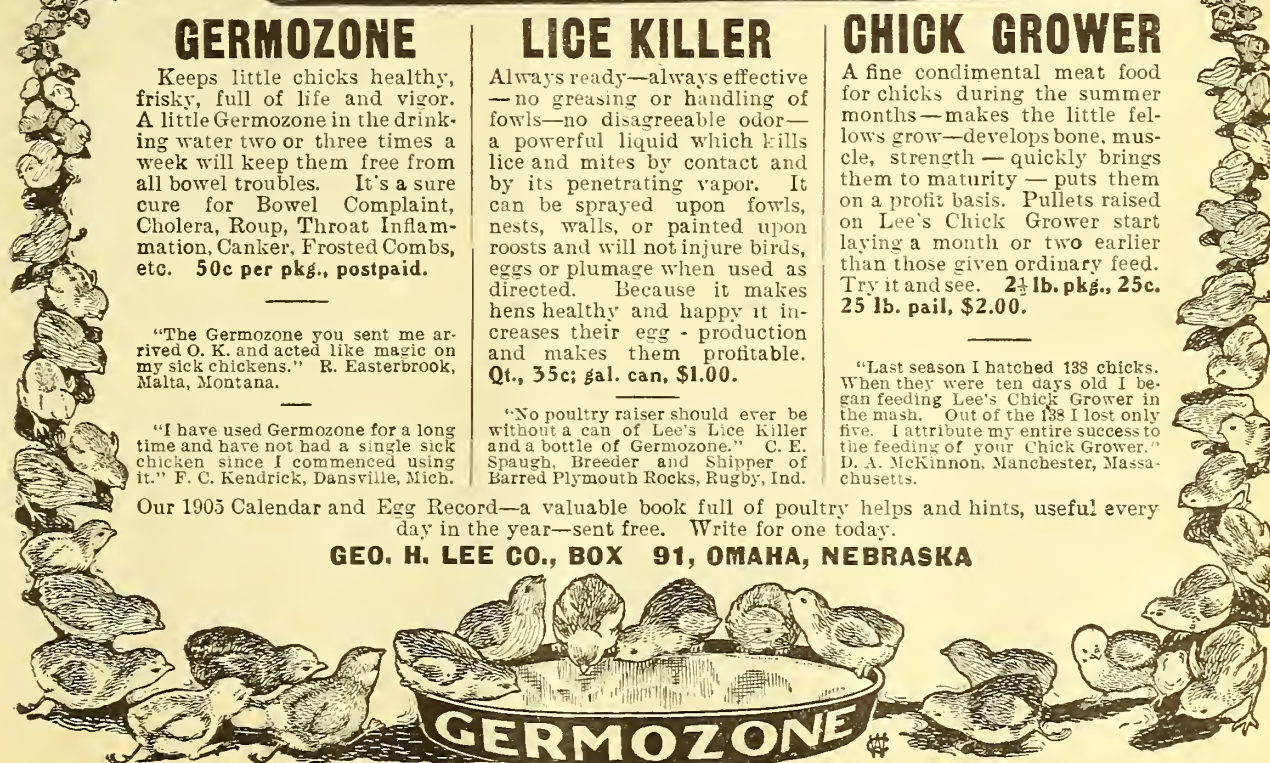
Always ready—always effective—no greasing or handling of fowls—no disagreeable odor—a powerful liquid which kills lice and mites by contact and by its penetrating vapor. It can be sprayed upon fowls, nests, walls, or painted upon roosts and will not injure birds, eggs or plumage when used as directed. Because it makes hens healthy and happy it increases their egg-production and makes them profitable. Qt., 35c; gal. can, \$1.00.

"No poultry raiser should ever be without a can of Lee's Lice Killer and a bottle of Germozone." C. E. Spagh, Breeder and Shipper of Barred Plymouth Rocks, Rugby, Ind.

CHICK GROWER

A fine condimental meat food for chicks during the summer months—makes the little fellows grow—develops bone, muscle, strength—quickly brings them to maturity—puts them on a profit basis. Pullets raised on Lee's Chick Grower start laying a month or two earlier than those given ordinary feed. Try it and see. 2½ lb. pkg., 25c. 25 lb. pail, \$2.00.

"Last season I hatched 133 chicks. When they were ten days old I began feeding Lee's Chick Grower in the mash. Out of the 133 I lost only five. I attribute my entire success to the feeding of your Chick Grower." D. A. McKinnon, Manchester, Massachusetts.



Barred Rocks, 1904,

Michigan State Fair, 1st, 2d cks., 1st ck., 2d hen. Fenton, Mich., 5 1sts, 3 2ds, 2 3ds. Grand Rapids State Show, 1st ckl., 4th hen, 2d pen. Pontiac, Mich., 4 1sts, 3 2ds, 2 3ds, 3 4ths. Prize winners in breeding pens. Eggs in season. B. G. WESTFALL, Oak Grove, Mich.

BIG MONEY IN EGG-KEEPING

You can more than double your egg money by putting down eggs in Spring at 14 or 15 cents per dozen and selling them later at 35 to 40 cents. Our method keeps them fresh and palatable. Write for our booklet which tells how to do it. It is FREE. NEW METHOD EGG KEEPER CO. 302 West First Ave., Columbus, Ohio

\$3 a Day Sure

Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free, you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work. Absolutely sure. Write at once. ROYAL MANUFACTURING CO., Box 758, Detroit, Mich.



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THE GEM Adjustable Leg Band. Either band, price postpaid: 12 Leg Bands 15c; 25, 30c; 50, 45c; 100 75c. Sample Leg Band and Pigeon Bands with catalogue on Poultry Supplies Free.

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is made in 6 sizes. No. 1, 1 1/2 in; No. 2, 2 in; No. 3, 2 1/2 in; No. 4, 3 in; No. 5, 3 1/2 in; No. 6, 4 in. Manufactured by H. TURNER & CO., 6404 Ellis Av., Chicago, Ill. Sure Lock.

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by locating in a section where you will find the Cheapest Good Lands, where a greater number of profitable crops can be raised, and where there are good markets paying the highest prices. The South, in the Southern Railway Territory, offers healthy, mild, equable climate, desirable lands, good markets, the greatest advantages for stock raising, dairying, grain growing, grasses, tobacco, cane, fruit and truck. Government statistics show largest value in crop yields per acre are in this territory. Cheap rates. Information about lands and crops furnished.

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NOTES ON FEED AND FEEDING.

There is probably no theme in poultry writing that has been handled more than the one on what we shall feed, and how we shall feed it. Likewise, there is hardly a subject in poultry lore upon which so many differ. It is not the aim of the writer to criticise methods, or to advance anything superior to which we already have. We wish merely to have a talk with beginners, and to point out the necessity of certain articles in the bill of fare.

Every mash should have a certain proportion of brand in it—generally an amount equal to the measurement of all

ground oats—or whatever you use in the mash.) After the grain is mixed up thoroughly add the clover hay to the mash. The second crop of clover cut in half-inch lengths, is best. Green bone, cut up with a bone cutter, is also a valuable article of diet. The green bones are those with meat on them, which are generally thrown aside by butchers. They can be purchased for almost nothing. By having a good cutter, these bones will be ground up like sausage meat, and are not only relished by the fowls, but are of untold value to both growing stock and laying hens. Cut bone can be fed alone, two or three times a week. About one pound of cut bone to sixteen fowls



1st. Prize Ckrl. at
Pan American Ex. 1901.
Property of
Nate K. Cornwall
Thamesville Ont. Canada.

1st S. C. Buff Leghorn Cockerel. Pan-American, 1901. Canada's best Buff Leghorn, the only strain that has bred and exhibited 1st Cockerel at two World's Fairs. Nate K. Cornwall, Thamesville, Ont., Can.

the other ingredients. A favorite mixture with some poultrymen is bran, cornmeal and ground oats. In cases of loose bowels it is always best to cut down the supply of bran and add middlings, or second grade flour, and when it is noticed that the fowls are costive, increase the supply of bran and decrease the amount of middlings.

Clover hay should be fed in the mash during the winter. It is a bulky food, and partly takes the place of green food. It should be given scalded. Fill a pail with cut hay, and on this pour boiling water. Cover the vessel with a board, so the hay can steep for an hour or more. When ready for use, pour off the tea on ground grain, (bran, cornmeal and

is a good measurement. Grit and oyster shell should always be within reach of the fowls, so they can help themselves at will. The lime in the oyster shell is valuable in the manufacture of eggs.

Charcoal is helpful to the digestion. Fowls crave it. It can be bought in granulated form, and should be placed within reach of the stock. If the powdered form is used, it can be mixed with the mash. Charcoal should be given the fowls at least every other day. Of whole grains, wheat stands at the head. It is a well-balanced food, followed by barley. Corn and buckwheat are also valuable articles for a change, but both being of very fattening nature, should be fed only as a variety. Exclusive feeding of

corn produces over-fat, and a fowl in that condition is subject to many diseases. Oats is a valuable egg producing food, but when fed with the hull on the fowls should have access to plenty of grit.

Cooked vegetables are also valuable, but care must be taken that they are not too liberally fed, so as to cause looseness of the bowels. The manner of feeding, too, is an important item. Mash in the morning, just enough to satisfy hunger and make the fowls hustle about for more; whole grain at noon, such as millet or wheat; scatter among several inches of cut hay or straw, barn floor sweepings, leaves or other litter. At night whole grain, like wheat, corn, barley, or what ever is used. The secret is to keep the fowls busy at work.

By making this subject of feed a study and by closely observing the results of feeding certain articles, it will not be long before we can secure a scientific method which will bring us the best results.

Another matter under this head should be mentioned. It is to always feed the mash in troughs, and to have the troughs large enough so that the stronger birds cannot crowd out the smaller or weaker ones. And lastly, see that there is always a good supply of fresh water on hand. During cold weather temper it with hot water, so that it will become lukewarm.

L. F. RICHARDSON.

Nugent, Iowa.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—As an item of information to those who may be in the same position I am, will say I have been trying to get a start in Barred Plymouth Rocks, and after reading the article by Jas. W. Bell in the December number, about 17 acres of Barred Rocks belonging to R. E. Haeger & Co., of Algonquin, Ill., I decided to see what they had, and did see their birds at the Chicago show.

Not wishing to spend any more money prospecting and waiting a year for developments I took the train and went to Algonquin about March 1st unknown to anyone, and found my way out to Barred Rock headquarters, about three-quarters of a mile southwest of depot. Found Mr. B. E. Rogers busy attending the many pens of chickens which I can truthfully say are Barred Rocks from top to toe and from surface to skin. I put in three hours there and don't think I missed seeing any birds they had and saw no poor specimens of Barred Rocks. I came home satisfied I had found a place to get a good start of first-class stock, and sent an order for a setting of eggs from Cockerel mated pens wishing the eggs delivered from April 10 to 15. April 12 eggs were received and let rest over night; set the 13th in incubator, and May 5th took out 13 strong, healthy chicks as could wish to see.

For those having a desire to get a start in first-class Barred Rocks (as I have) and who are willing to pay a fair price for same, can say I am so well pleased I write this unsolicited and entirely unknown to R. E. Haeger & Co., and see no reason why others should not have the same success.

Chicago, Ill.

J. C. BENNETT.

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Pratts Heave Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

White Wyandottes and Pekin Ducks

Greatest competition White Wyandottes and Pekin Ducks, winners in the greatest competition in the world: World's Fair champions; 1, 3, 6 and 7 on young Pekin hens; 2, 3 and 7 young drakes, 3, 5 old drakes and 4 old hen. Won 6th and special on cock in White Wyandottes, and I have the best in the world in my breeding pens for 1905. 1st cock, 3d cockerel, 1, 2 and 4 pullets and eight more pullets, sisters to the prize winners and a brother to the 3d prize cockerel.

Illinois State Fair, 1st, 2d and 3d on Pekin Ducks. No White Wyandottes were shown. St. Louis Fanciers Association, Dec., 1903, won 1st breeding pen, 1st pullet and 3d cock in White Wyandottes and special for best pullet. Chicago National Fanciers' and Breeders' Association, 1905, won 1, 4 pullets, 1, 5 hen, 1, 3d ckl., 2, 5 cock and three specials for best shape, and silver cup for the whitest hard in the show room on White Wyandottes. Pekin Ducks 1, 2 cock, 1, 2 hen, 1, 2 cockerel, 1, 2 pullet. White Wyandotte eggs \$3 for 15, \$5 for 30. Pekin Duck eggs \$2 for 11, \$3.50 for 22, \$7 for 50.

THEO. AMBROSIOUS

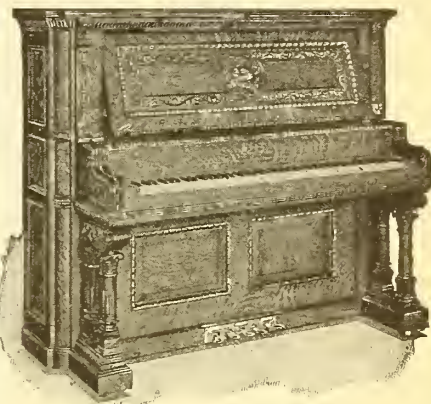
Collinsville, Illinois

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Do not imagine that it is impossible for us to do as we say. Our system is so perfect that we can without any trouble deliver a piano in the smallest town in any part of the United States just as easily as we can in New York City, and with absolutely no trouble or annoyance to you, and without anything being paid in advance or on arrival either for freight or any other expense. We take old pianos and organs in exchange. A guarantee for 12 years against any defect in tone, action, workmanship or material is given with every Wing Piano.

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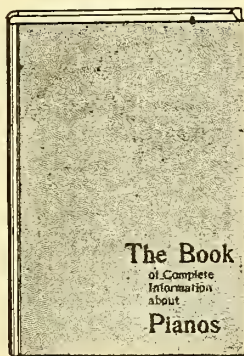
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is sold in 1-gallon, 2-gallon, 3-gallon, 5-gallon, 10-gallon, 25-gallon (half barrel) and 50-gallon (barrel) lots, and the price (packages free) is

\$1 per Gallon F. O. B. Kansas City, Mo.

A gallon of Egg-seal will seal 100 dozen **good eggs and keep them good.** Make drafts and money orders payable to the Egg-seal Co., and address all correspondence to

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Write for the Egg-seal Booklet. We mail it free.

Cut Prices For June and July



I have decided to reduce the price of chicken eggs to

**\$1.00 per 13,
\$5.00 per 75,
\$6.50 per 100**

for the months of June and July. My breeding stock scores 90 to 96 points. 15th year. Order direct from this advertisement.

I BREED:

Light Brahmas,
Barred Plymouth Rocks,
White Plymouth Rocks,
Buff Plymouth Rocks,
Golden Wyandottes,
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Buff Cochins, White Cochins,
Black Langshans,
Black Minorcas,
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**Mammoth Bronze Turkeys,
White Holland Turkeys,
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1 sitting, \$2.50; 2 sittings \$4.50

Pekin and Rouen Ducks. \$1.50 per 11; \$2.50 per 22.

HUMMEL'S INSECT POWDER, the best in the World. Price list free. All correspondence receives prompt and personal attention. If you have never dealt with me, I want your orders this season, and will endeavor to treat you right and hold your patronage. Large circular free.

S. A. HUMMEL,

Box 52, Freeport, Ill.

POULTRY RAISING IN OREGON.

Oregon is truly a wonderful place in which to raise poultry of all kinds. One county (Douglas) sold nineteen thousand turkeys for last Thanksgiving which brought in thirty thousand dollars. A great many were bought by a Seattle dealer, packed in cold storage and shipped to Alaska for Christmas, where the dealer expected to realize one dollar per pound. There are thousands of chickens raised in Oregon. The greatest fault with a good many people here is they raise the mongrel or "cayuse" stock of poultry, while there are quite a good many thoroughbreds raised. Some of the people will say you can't raise thoroughbreds here and make anything out of them. I don't think any person who has ever raised thoroughbreds will ever go back to the mongrel.

What is more beautiful than a large flock of birds all one color? The greater part of Oregon has such a mild climate



G. R. HASWELL.

Proprietor of The K. G. Poultry Yards, Circleville, Ohio.

that frozen or frosted combs are unthought of.

We can have green feed growing the whole year, which is one of the most important feeds for all poultry.

Nearly all of us have plenty of free range for them all of the time the year around.

There could be several times more poultry raised if the incubators were used more. They are not very extensively used in this state up to this time, but I think there will be a great many more used this year than ever before.

Prices have been very encouraging during the past year and I think everyone who raises any poultry at all, will try to see how many they, each and all, can raise this year. There are some people that are just beginning to realize what a fine climate we have for raising poultry.

Others have already taken advantage of the situation and have made lots of money and had lots of pleasure also, with their nice flocks.

But there is room for many more to go into the poultry business and make a

good living and lay up money besides. My experience to begin with was not very flattering. I commenced with twelve Barred Plymouth Rock hens; four took sore throat and died. I set only three hens, for no more would set. I brought off about twenty-five, the hens would get to fighting and run over the little chickens, killing several; then I was away from home a short time and all the young chickens disappeared but

left and only one hundred and thirty chickens left. I raised about all of that number of chickens and every turkey. I now have about seventy hens for this year.

And now I intend to raise a large number this year. I am going to use an incubator this year, and with the help of AMERICAN POULTRY JOURNAL I feel sure of success.

MRS. J. W. MORELAND.

ASHES IN THE POULTRY HOUSE.

The dropping boards in my houses are cleaned every morning. Then sift ashes over them, I find the fowls pick out large pieces that go through the sifter, leaving the fine dust on the boards to be swept off the next morning, leaving a nice clean surface for fresh ashes. Now I know some will say ashes fade the color of legs and feet, which may be so,



ROSE COMB WHITE LEGHORNS.

First prize pen at World's Fair, St. Louis, 1904. Bred and owned by Rocky River Poultry Company, 5931 Superior St., Chicago, Ill.

two pullets. I bought some more. In all I started in the second year with thirty hens, but I think some were just ready to die of old age when we got them, so I soon lost down to eighteen hens. I raised about sixty chickens, thirty-two pullets. I sold off all those old hens and hatched over 300 chickens and got a nice lot of turkey eggs. Had fifty turkeys, and I took sick; had to depend on a young hired girl to feed and take care of them. When I got up after a three weeks' sickness I had ten turkeys

SPRING CHICKENS.

Have them hatch in April and May by hens. Place them in roomy, light coops without any floor so the hen can get grass. Move them every day. Feed the chicks as much and as often as they will eat up clean chick feed as put up by the several manufacturers. On warm days let the hen out with the chicks and she will fix the lice. This is the surest way and least bother. R. A. HEWES.
Crete, Ill.

but do not think the short time spent on the boards, does enough harm to prohibit their use. EDWIN W. STAEBLER.

Cleveland, Ohio.

Stale bread, ground fine, and mixed with the mash is relished and beneficial.

No experiment, results positive
Pratts Distemper Cure.

Made by Pratt Food Co., Phila. Over 30 years old.



Dollars For Half Dollars!

That is what I offer you when I sell **EGGS** from my

White Plymouth Rocks

at half price. Just think of it, EGGS from yards headed by such birds as 1st cockerel, World's Fair, St. Louis; 3d and 6th cockerels in pens World's Fair, St. Louis; 1st cock, Chicago; 1st ckl., Hagerstown; 3d ckl., Chicago; 1st ckl., Indianapolis; 1st ckl., Cleveland; 3d ckl., Indianapolis; 3d cock, Chicago, for \$2.50 per 15. \$4.50 per 30, \$7.50 per 50 and \$12.50 per hundred.

Dear reader, don't take chances when you are sure to be right if you get eggs from me. EGG CATALOGUE FREE. SPECIAL SALE of some of my choicest females. 400 that must be sold this month to make room for the chicks. 36-page catalogue for stamp.

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Eggs For Hatching Our Specialty

Prices reduced from \$5 to \$2 per sitting, three sittings \$5. A few breeders for sale now at \$5 per trio, less than half their value. Twenty-four years' experience has secured us the confidence of customers in every state. Booklet free. Name your variety.

Orr's Lice Killer is Best, \$1 per Gal.

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Won again at the Northern Ill. Poultry Show. My 1st prize cock bird Judge Holden pronounced "a bird among a thousand." EGGS reasonable prices.

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Eggs--Hahne's Lt. Brahmas--Eggs

EGGS \$3 for 13, \$5 for 26. For incubator eggs \$10 per 100. Send for beautiful illustrated catalogue free. FRED HAHNE 517 Webster St., Webster City, Iowa

ROBSON'S BUFF ROCKS.

My yards contain the 2d cockerel 914 at Danville, Ill., and 1st pullet 934, Ohio State Show at Dayton this year. I have two good yards mated for this season. Eggs \$2 for 15. E. H. Robson, 203 N. Main St., Urbana, O

Mrs. Hill's W. Langshans

won more premiums at World's Fair, St. Louis, Mo., than any other White Langshan breeders combine. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight.

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Premium Stock Poultry Yards

Fertile EGGS 15 for \$1

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

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High-Class Light Brahmas Only

Do you want EGGS for hatching from Light Brahmas with nice pea combs, large frames, broad backs, standard wings, solid black center in hackles, heavy toe feathering and nicely laced tail coverts, at \$3 per 15, \$5 per 30, or \$6 per 45. Also a few choice youngsters at prices that are right. Satisfaction guaranteed. No catalogue. Write to

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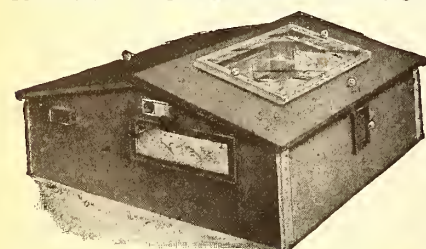
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Rouses' Perfection Brooder



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BEES ON A POULTRY FARM.

By VICTOR D. CANEDAY.

As I have been asked to contribute a paper for this meeting I will give you an outline of our very limited experience in bee keeping and tell you why we choose to keep bees in connection with the breeding and rearing of our thoroughbred poultry.

About the middle of December, 1899, we bought three colonies of bees for \$6. The low price inducing us at that time to begin bee keeping. We wintered them in our house cellar and the following summer, although a very poor year and many around us had scarcely a swarm and no surplus honey, our three colonies increased to seven and gave us forty pounds of surplus. During the season of 1901 our seven colonies gave us nearly 800 pounds of surplus honey and increased to fifteen stands. Our banner hive that year gave us one hundred and five pounds of surplus from the first swarm and sixty-five pounds from the old hive itself, making a total yield of one hundred and seventy pounds of comb honey. We sold five colonies and began with ten last spring, which increased to eighteen and of that number we have fourteen left, the others having been sold. The honey yield with us this



BLACK LANGSHAN.

Bred and owned by A. H. Asche, Princeton, Ill.

year was only about half what it was in 1901, the ten colonies of last spring's count, giving us a yield of only about six hundred pounds of surplus.

So far we have not lost a colony in any way, with the exception of two which left for the woods without sufficient notice. With such good success as we have had from the very outset, you will not be surprised to learn that we are quite favorably impressed with bee keeping as an adjunct to poultry raising and fruit growing.

Perhaps the one thing which most strongly influences people to keep bees is their fondness for honey and with us the supply of honey for our own table was the first consideration.

Bee keeping is particularly adapted as an adjunct to poultry farming, as the heaviest part of the work among the bees comes at a time when the poultry work is comparatively light. On most practical poultry farms the hatching season closes with May and the work during the remainder of the season is comparatively light, while the work with the bees is most exacting from the last of May through June and July. If the poultry keeper chooses to bend most of his energies to obtaining fall and winter eggs, which are the most

productive of profit, he is free to give them his entire attention, as the bees require very little of his time at these seasons.

The labor of both bee keeping and poultry raising is comparatively light work and to one not overly strong and who feels the need of an open air life there are few occupations which are more attractive and fascinating and certainly few which require so little capital to be invested and yet are capable of furnishing one with a good living, if not something besides.

In keeping either bees or poultry it is essential that one apply themselves closely to the work. Although the work itself is not heavy nor particularly taxing on one's strength, it requires constant and systematic attention to insure best results. Perhaps anyone very much disinclined to stay at home closely would not find them congenial employment, owing to this particular feature. This, however, would prove no objection to the many who have a natural fondness for the home life and its rural surroundings. In fact such would consider it rather a pleasure to stay at home and give these interests the care and attention they require.

Our farm consists of only ten acres and it is devoted to the breeding and raising of pure bred White Plymouth Rocks for breeding purposes. Our busiest time is during the fall and winter, with the selling and shipping of breeding fowls and during the spring with the sales and shipments of eggs for hatching purposes. Thus you see our work with the bees comes at a time when other work is not so pressing.

We have quite an orchard of plum trees now well started on the farm to furnish shade for the poultry and incidentally fruit for our table and for sale. Bee keeping has been taken up as a side line and has been found to interfere very little with our regular poultry work. The chickens are allowed to run among the hives to the mutual benefit, we believe, of both bees and chickens. From the fact that the chickens frequent the neighborhood of the hives so much and we seem to have so little trouble from the bee moth, we judge they catch many of the millers and I am quite certain they catch a great many drones although manifesting a wholesome fear of the workers. In many ways poultry and bees seem to be adapted to occupying the same ground.

The combination of poultry, fruit and bees is a unique one, each contributing to the well being of the other. Shade is one of the essentials on a poultry farm and nothing furnishes any more desirable shade for the chickens than an orchard of plum or apple trees and either makes a most desirable location for the apiary, especially a plum orchard, for the trees are of a low growth, thus preventing swarms clustering too far out of one's reach and in case of its being thought necessary to remove the branch on which the swarm clusters, plum trees are much less liable to injury from the unseasonable pruning. It is generally known that fowls are of no small benefit to the fruit trees, not only in consuming many insect enemies of the fruit, but in the increased fertility of the soil over

Safe and reliable
Pratts Peerless Hoof Ointment.
Made by Pratt Food Co., Phila. Over 30 years old.

which they run. Fruit growers generally, I believe, recognize the value of bees in fertilizing the fruit blossoms and increasing their chances of liberal yields of fruit, so it will be readily conceded that the production of honey, fruit and poultry products can be profitably and economically combined. However we would not care to engage in the culture of small fruits and beekeeping together, especially the raising of strawberries, for the heaviest work of picking and marketing the strawberry crop comes just in the height of the swarming season and both require prompt attention to be handled profitably.

Perhaps in the majority of cases where bee keeping is carried on in connection with other pursuits, it would be found most convenient to run principally for extracted honey. One of the chief difficulties with us has been the tendency to excessive swarming when run for comb honey, and by working for extracted honey this tendency seems to be materially lessened, as I believe is the experience of bee keepers generally. We had one colony the past summer which did not swarm at all and otherwise than the presence of considerable drone comb in the hive we could not see anything to prevent them swarming. It was one of our best Italian colonies and was used to supply breeding drones for the apiary. We thought possibly the presence of so much drone comb had something to do with it, for our other colonies swarmed more than usual, although the past season has been an unusually cool one, but they were practically without any drone comb.

With proper care and the use of modern appliances there is both pleasure and profit in "bees on a poultry farm."

Taylor's Falls, Chicago Co., Minn.

The above paper was read at the annual meeting of the Minnesota Bee Keepers' Association, held at Minneapolis, Minn.

THE KING OF TRAP NESTS USED IN NEW ZEALAND.

Mr. F. O. Wellcome, Yarmouth, Maine, inventor of the Ideal Trap Nest, reports that he has received a number of orders from New Zealand, as a result of the great interest being taken in egg production in that country. The trap nest is an American idea, and the above report shows that in this, as in other matters, our influence goes 'round the world.

We have received the new 1905 catalogue of the Excelsior Wire & Poultry Supply Company, Wm. V. Russ, Prop., 26 and 28 Vesey street, New York City. The size of this catalogue has been increased from 162 pages to 212 pages, which is the largest detailed catalogue ever published. With one of these catalogues in the possession of readers of AMERICAN POULTRY JOURNAL, everything in the way of poultry supplies and appliances can be secured at a reasonable price. This catalogue will be sent by mail on request of readers of AMERICAN POULTRY JOURNAL by simply mentioning Dept. O.

The attention of our readers is called to the advertisement of the Reliable Poultry Supply Company, Rochester, N. Y., who are advertising poultry supplies. Write them and mention AMERICAN POULTRY JOURNAL.

JULIUS J. KLEIN.

SUNNY SIDE POULTRY FARM

Buff and Barred Plymouth Rocks, Partridge Cochins, Light Brahmas, Embden Geese and Pekin Ducks. Catalogue free.

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Barred Rock Eggs For Hatching

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of not getting plenty of fertile eggs. Feed Triumph Foods, the Easy Fed Feeds. Absolutely the correct ratio and containing everything necessary for the best possible results. Write today for circular containing detailed description of our foods. Triumph Green Mash, \$2 per 100 pounds. Triumph Green Ration, \$2 per 100 pounds. Triumph Chick Feed, \$2.25 per 100 pounds.

ELMDALE FARM, C. L. Duffield, Prop., Room 11, Commercial Bldg., Marshalltown, Iowa



THE SANITARY PORTABLE HOUSES are light, warm and dry. Good house for renter and city breeder. SIX STYLES AND SIZES. Prices reasonable, material and workmanship A1. Low freight rates. Use box No. in writing for Catalog. Box 1 SANITARY HOUSE CO., Lemont, Ill.

Plane's S. C. White Leghorns

Are specially mated for egg production, while their show record proves them to be superior in exhibition; my customers winning all over the country, and in their hands to score as high as 96%. Let me book your order for eggs. You can do no better elsewhere.

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Belvidere, Ill.

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Eggs from 20 grand pens guaranteed to hatch regardless of distance. 28-page catalogue free. 68-page book, "Minorcas, All varieties," history, mating, fitting for show, etc. Fully illustrated, 25 cents postpaid. My S. C. Minorcas have never lost a special for large size, and have won more than 3,000 prizes for my customers in strong competition. My R. C. Black Minorcas have won more 1st and 2d prizes than all competitors combined at Chicago, Boston, Philadelphia and New York.

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Model Incubators and Brooders

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Everything for the poultryman

Philip's Chick Feed \$2.25 per 100 Pounds.

TURNER'S WHITE PLY. ROCKS

I have a few more cockerels to spare that weigh between seven or eight pounds, good and strong, only \$3 each. A few that weigh more than eight pounds only \$5. I have some pullets, and good pullets at that, for \$3, but I have none for less. I have seven grand breeding pens of White Rocks that I will sell eggs by the sitting from, and I tell you one thing that the birds in pen No. 1 and No. 2 are eye openers, 15 eggs \$5; pens No. 3, and No. 4 come next in the lead, \$4 per 15. Pen No. 5, every bird O.K. \$3 per 15; pens No. 6 and No. 7 \$6 per 100. I guarantee 75 per cent fertile. You can order from this, it will save time, but I have a mating list that I will send to you if you write me (a stamp if handy). Tell me where you saw my ad.

M. P. TURNER

West Hampton, L. I.

Jones, The Wyandotte Man

SILVER, GOLDEN and WHITE WYANDOTTES, G. S. and S. S. BANTAMS, thirty-six pens mated to produce best results. Every breeder a line-bred bird, every male a winner with national reputation, the best lot of breeding birds I ever mated in one lot; but why not, they are all line-bred same as our winners. Fourteen prizes at Chicago, 1905, besides our WORLD'S FAIR WINNERS, should be sufficient evidence that the best is found but one place, "THE PINES." EGGS \$3 per 13, \$5 per 26, \$8.50 per 50, \$15 per hundred.

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Send for our 36-page catalogue, handsomely illustrated in colors and tells all about the largest Wyandotte farm in the world, how to mate and produce the strongest blood lines on earth. A book worthy a place in any library. Send 4 cents in stamps for mailing.

Fashionably bred lot of Scotch Collie Puppies. Also some Imported and American bred brood bitches for sale.

R. E. JONES, "THE PINES"

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Choice selected grains, meat scraps, bone and grit; the best money can buy. Send for sample.
Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.

Western Home Orpington Farm, 1897-1905.
Our stock wins everywhere. Eggs, S. and R. C. Buffs, S. C. White \$1.50 per 13; R. C. White \$3 per 13. Order from this ad for good date. J. W. EASTES, Ex-Vice-President American Orpington Club, Box D, Galesburg, Ill.

CHOICE REGISTERED COLLIES

Pure bred, for sale at from \$10 up according to age and breeding. Great home dogs and stock workers.

A. D. BURHANS 2413 Y Street, Lincoln, Neb.

Stearn's Bone Cutter

Shipped anywhere on **Thirty Days' Free Trial.** Fowls fed on the green bone ration as prepared (milled) by the **Stearns Cutter** will double their egg output in fall and winter. **You write at once and get the bone cutter book.** It proves that poultry profits can be increased the year 'round. **Do it now.**

E. C. STEARNS & CO. Box 100, Syracuse, N. Y.

CUT PRICE IN EGGS

75 cents per 15, \$4 per 100. Choice breeding stock going at \$1.00 each.

Northwestern Poultry Farm,
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BRIGHT STRAIN. Large, vigorous, farm raised cockerels scoring to 93, \$1 to \$2 each. EGGS \$1 per 15. Incubator eggs \$1 per hundred.

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Record winter layers of large white eggs. The breed that lays the breed that pays. EGGS \$1 per fifteen, \$6 per hundred.

WHITE STAR POULTRY FARM, South Amboy, N. J.



Doolittle Partridge Wyandottes

Best on Earth. 10 cents for neatest and most complete catalogue to date. Eggs from World's Fair champions \$2.50 for 15 after June 1st.

W. A. Doolittle Sabetha, Kan.

CHICK, CHICK, CHICK

If you want to raise your little chicks use

ARISTON CHICK FEED

Carefully prepared and the standard for quality. Send for sample and price.

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Wheat, Kaffir Corn, Eng. Maize, Flint Corn, Broken Rice, Buckwheat, Peas, Millet, Rape Seed, Hemp, Tick Beans, Canary Seed, Lentils, Vetches, Hulled Oats.

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CYPHERS COMPANY'S POULTRY FARM.

Cyphers Incubator Company Purchases Fifty Acres of Land in the Suburbs of Buffalo, New York, on which to Establish a Poultry Plant, which Will Be in Charge of Professor James Dryden, Resident Manager.

April 27th the Cyphers Incubator Company bought a fifty-acre farm, located in the suburbs of Buffalo, on which to establish a complete poultry plant for experimental and demonstration purposes. They have engaged the services of Mr. James Dryden, for twelve years manager of the poultry department of the State Experimental Station, Logan, Utah, conducted in connection with the Agricultural College of Utah, to take charge of their new farm as resident manager.

This fifty-acre farm is within five minutes walk of Elma, a suburban station, on the main line of the Pennsylvania railroad, running between the Buffalo Central depot and Pittsburg, Philadelphia and Washington—in fact the southwest corner of the farm is distant only about two hundred yards from the railway tracks. The general slope of the land is toward the south, so that all poultry buildings can be faced that way. The plot of land is nearly square, extending eighty rods in one direction and eighty-five in the other. On it is a substantial seven-room dwelling and a large barn.

Architect plans are now being prepared for a ten-room residence for Manager Dryden, a modern stable, two incubator cellars, three nursery brooding houses, twelve long laying houses and a series of smaller buildings. The company began hatching chickens in April and by June 10th counts on having in the neighborhood of three thousand Barred and White Plymouth Rock, White Wyandotte and White Leghorn chicks on the premises in brooders and portable houses. It is the intention of the Cyphers Company to construct, on this site, a model poultry plant where experiments can be conducted systematically, extending over a term of years, with the object of establishing reliable records, of securing exact data on which sound conclusions can be based and of solving some of the numerous problems in which poultry raisers are deeply interested. On this poultry farm the goods manufactured by Cyphers Incubator Company will be thoroughly tested and extensively demonstrated, with a view to improving them and of adding new and useful articles to the line of poultry requisites manufactured by the company.

A very great deal depends on the man who is to be in personal charge of an experimental and demonstration plant of this kind. The Cyphers Company feel that they have in Mr. Dryden the right man for the place. He was a member of the faculty of the Utah Agricultural College and Experiment Station for twelve years, where he taught poultry classes and assisted in Farmer's Institute work. He resigned in September, 1904, to accept a position as poultryman at the Montana Agricultural College and Experiment Station at Bozeman. Before severing his connection with the Utah station, Mr. Dryden completed the manuscript of a bulletin of over 100 pages. This is now in the hands of the printers and will soon be ready for dis-

tribution. It reports a number of years' experiments on various problems, including feeding, breeding and incubation tests.

Mr. Dryden was one of the pioneer poultry experimentors in the United States. He took hold of poultry investigation when the agricultural colleges of the country had scarcely heard of a poultry problem. As evidence that his work was appreciated in his own state, the Legislature of Utah, two years ago, appropriated four thousand dollars for a poultry building at the Agricultural College of Utah—a larger sum than any other state legislature has given for a poultry building. This building, which Mr. Dryden planned, is conceded to be the most complete experimental building in the United States.

Mr. Dryden began his poultry experiments in a small way, but his work soon demonstrated that "an original thinker was at work in the poultry field," to quote words used by the director of the Montana Experiment Station. Mr. Dryden's reports have the stamp of honesty on their face. All records were carefully compiled. No conclusions were drawn where the facts did not fully justify them. His first bulletin was in demand in every section of the country and from every civilized country on the



JAMES DRYDEN

Resident Manager Cyphers Company Poultry Farm

globe. It contained matter that was received without question, and one prominent Philadelphia daily paper said of it, "It contains data that cannot be found in any other published books on poultry."

From a report of the director of the Utah station we learn that the demand for this bulletin very soon exhausted the edition, as many as one hundred requests for it being received in one day, from different sections of the United States. This bulletin, and later ones by Mr. Dryden, to this day give the only authoritative data on the yearly cost of feeding laying hens of different breeds. His bulletins also contain authoritative data as to the profit that may fairly be expected from laying hens.

Among other valuable experiments made by Mr. Dryden was that on hens versus pullets, or the most profitable age of the hen. He has carried this experiment on persistently for a number of years and has brought it to a point where the results are so conclusive that they will stand the test of time. Without Mr. Dryden's experiments we would still be pretty much in the dark in re-

gard to the relative merits of hens at different ages, and this is one of the fundamental problems in poultry keeping.

The Cyphers Incubator Company has employed Mr. Dryden on a long-term contract, with the distinct understanding that it will furnish him an extensive, modern poultry plant, properly equipped for him to conduct his experiments systematically and to carry them forward to a successful conclusion. This company, with the assistance of Mr. Dryden and a corps of efficient helpers, proposes to go straight to the bottom of some of the unsolved questions in practical poultry keeping, with the earnest hope that poultry raisers may thus be placed in a position to achieve still greater success in all branches of the industry.

ADVICE TO BEGINNERS.

The beginner in the poultry business has a number of points to consider before investing his money:

First the location and shipping facilities; second the market demands, and last his financial ability and resources.

If quick returns are a necessity, invest in the laying breeds that will keep the egg basket well filled.

If one has the money to invest in a broiler plant, the American breeds, the Plymouth Rocks and Wyandottes, will be selected. If the fancy poultry is the object, buy the best you can afford, and take care of them, and when you have a sufficient number to fill a reasonable amount of orders, advertise them, and be sure to give full value for the money received.

The poultry journals cannot afford to carry any one who resorts to dishonest methods, and they are soon discovered. There is much to learn in the fancy poultry business not set down in print. The poultry shows are a great factor in disseminating the value of good stock, and a beginner may learn a great deal that will be an advantage to him if he keeps his eyes and ears open. But the best way to get an insight in the business is to visit all the established poultry plants possible, see the fowls at home and note the various ways of housing and feeding them. Examine the incubator and brooder facilities and everything of interest about. Don't be afraid to ask questions, the veterans in the business are about the nicest people in the world to meet, and are always glad to show you their best birds and enlarge on their good points, all of which will be of advantage to you.

Don't think that buying a pen of fine birds is all that is necessary to constitute a breeder. If you have a good job, stick to it until you have a sure income from your poultry, then go in as a winner with hard work, honest dealings and lots of printer's ink, followed up with straightforward, kind answers to inquiries, all of which it is to be regretted, do not bring an order, if they did the millennium would be soon reached by we poultry fanciers.

LAURA G. FITZPATRICK.

The hungry fowl is always the healthy one.

After all other Liniments, then buy Pratts. It never fails.

Made by Pratt Food Co., Phila. Over 30 years old.

Wilber Bros. of Petros, Tenn., are now offering for sale many of their this season's S. C. White Leghorn breeders to make room for growing stock. They have some fine birds at a reasonable price, well worth double the amount they ask for them.

There is a movement on foot to organize a White Langshan Club. The breeders of White Langshans are anxious to have this variety receive the prominence and attention it is entitled to. We will be glad to say something more about this later.

YOUR ROOF

The most practical test of roofing material is the wear and tear it will stand. Don't be confused by the numerous ready roofing materials that have been launched in the last year or two. Don't buy a roofing simply because the sample looks good. It may be good, but you want to know that it's going to last.

PAROID ROOFING

lasts. Buy a roofing material that has stood the test of time, that has a reputation behind it and a reputation to live up to. Just write us for free samples and booklet, "Building Economy."

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(Originators of the complete roofing kit—fixtures in every roll.)

East Walpole, Mass. Established 1817. Chicago, Ill.

COLLINS' RELIABLE POULTRY REMEDIES

Poultrymen, my remedies are backed by professional services. Convince yourself of the unequalled qualities they possess by giving me a trial order, and if they do not prove superior to any you have used I will cheerfully refund your money. I know positively from practical experience and unsolicited testimonials from users, that these remedies will meet every duty required of them with never failing results. Accept no substitute, as there is none just as good. Agents wanted, liberal inducements. Send stamp for descriptive Circular.

Mfg. by C. J. COLLINS & Co., Hartford, N. J.

WHITE WYANDOTTES

My White Wyandottes

are well known for their excellent laying qualities, pure white plumage and fine Wyandotte points. The best stock at prices within reach of everyone. Cockerels \$3 to \$10. Hens and pullets \$2 to \$10. Eggs from choice matings \$1.00 per sitting of fifteen. Satisfaction guaranteed.

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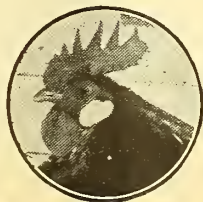
LYNNFIELD CENTER, MASS.

Rhode Island Reds,
Barred Rocks,

White Wyandottes,
White R. C. Leghorns

Chicks 16 and 21 cents each. Eggs \$1 and \$2 a setting, \$6 and \$10 per 100. After July 1, breeding stock for sale.

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WITTMAN LINE

are the undisputed champions. We bred the 1st prize pullet at Madison Square Garden, 1905, the seventh year this line has won 1st pullet at this show. In writing for prices of stock state fully just what you want. Egg orders booked now at \$5 per sitting. Address all letters to

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Farm and Garden Implements—Seed Drills, Wheel Hoes, Riding Cultivators, Potato Planters, etc., are all described in our new book. It's free. Write for a copy. Bateman Mfg. Co., Box 119, Grenloch, N. J.

Wilber's Gem Strain, World's Best, S. C. White Leghorns

NONE BETTER EGGS \$1.50, \$3 and \$5 per 15. Half price after May 1st. Large, instructive annual EGG folder free. Many fine breeders after hatching season at right price. **WILBER BROS.,** Box 8, Petros, Tenn., U. S. A.

THE PARKS PARTRIDGE WYANDOTTES

World's Fair Prize Winners. Stock for sale in pens, trios, pairs and singles. Eggs \$3 and \$5 per 15. **E. A. PARKS,** Club Member, 207, 209, 211 West Brighton Ave., Syracuse, N. Y.

This Will Interest Many.

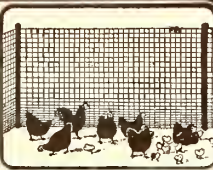
F. W. Parkhurst, the Boston publisher, says that if anyone afflicted with rheumatism in any form, or neuralgia, will send their address to him at 57 Shawmut Bldg., Boston, Mass., he will direct them to a perfect cure. He has nothing to sell, or give, only tells you how he was cured, after years of search for relief. Hundreds have tested it with success.

CHRISTOPHER STRAINS

You pay bigger prices but get no better birds. I have spent years in developing just two breeds—my favorites, **BARRED AND WHITE ROCKS.** Finely pointed birds of all ages and guaranteed fertile eggs at living prices. I solicit a trial order.

KICKAPOO POULTRY YARDS,

JAS. CHRISTOPHER, Prop., Heyworth, Ill.

Union Lock Poultry Fencing**PICKETS LOCKED IN CABLES**

Can't slip, but stretches perfectly to fit uneven ground. Fine meshes at bottom for little chicks. High as you want it, 1 to 7 ft. A poultry fence for all fowls that does not sag.

We sell direct to Farmers and Poultrymen.

Prompt Shipments at Factory Prices.

Mills in Connecticut, Illinois, California. Write for catalogue.

CASE BROS., 28 Main St., Colchester, Conn.

A BETTER LOCATION THAN YOURS

Would be in Virginia, North Carolina, South Carolina, Georgia, Florida or Alabama, or some other Southern State, and we can prove it. Write for a copy of the special Southern edition of the

SEABOARD AIR LINE MAGAZINE

which is handsomely illustrated, and contains hundreds of specific opportunities for success, it matters not what your occupation.

J. W. WHITE

General Industrial Agent, Portsmouth, Virginia.

SEABOARD AIR LINE RAILWAY**POULTRY ON THE FARM.**

Why is it that so few of our farmers' wives raise pure-bred poultry? They, as a rule, are very active and painstaking, are quite enthusiastic in the pursuit of poultry raising. Most of them read some good journal, and in every issue see one or more articles setting forth the claim that pure-bred poultry can be raised as cheaply as the common stock and are worth much more in the markets. Still they cling to their mixed breeds, and through the long winter months patiently wait until spring for eggs to come. Nineteen-twentieths of the poultry crop of Illinois comes from the farms, hence we must conclude that from a practical standpoint they must know a thing or two about poultry raising. Most every farmer's wife in this section of the state raises annually from 200 to 500 what we term late hatched chicks.

vents us in directing these people to machines that are much more reliable than old Biddy herself, that will take care of the temperature with less trouble and attention than their hard coal base burner. Most all of our country poultry raisers labor under the false impression that pure-bred poultry cannot be raised and kept pure so long as their common stock is kept on their premises. To such I would say that it is just about as easy to raise standard stock and keep them so with hundreds of mongrels around as if you had them alone on your farm. The only precaution necessary is the throwing out of your poultry netting around the grounds selected for them during the breeding season, which lasts but three months. The rest of the year they can range together. Should some few of your mixed fowls be high flyers clip their wings and they will not intrude upon these grounds. In making your selec-



WHITE LEGHORN COCK.

Bred and owned by W. W. Kulp, Pottstown, Pa. Winner of First Herald Square, New York City, November, 1904. Note small comb. He is of fine shape and white.

Some few have their cockerels caponized; they cater to the carcass side of the market, and give no attention to egg production. They employ the means of nature in producing and caring for their chicks. Incubators and brooders in their hands, as a rule, give very unsatisfactory returns, not for want of intelligent, careful attention on their part, but through the misfortune of having been caught on the hook of some wily advertiser of a worthless machine. Yes, they are all guaranteed, but when their eggs are cooked in a cheap pine box with an attractive exterior, with a regulator that has about as much influence on the temperature as the moon, they are up against it. The fellow who blows the big advertising horn at the other end of the line chuckles in his sleeve, tightens his grip on their remittance, and wears them out by correspondence. As a rule the cheapest and most worthless articles are advertised the strongest, for example, the \$1 watch, whilst the old reliable timekeepers win their patronage by merit. It is to be regretted that advertising courtesy pre-

tion of a variety as a basis for your experimental work bear in mind that the egg producing side of the question is most easily attained, as the competition in this field is very limited you move along lines of but slight resistance. With eggs worth 40 cents per dozen to the producer, as they have been in manufacturing districts all winter, you cannot miss the mark very widely by raising as an eye-opener 40 or 50 White Wyandotte chicks. The pullets from these if early hatched, with no better care than you give your common stock, will if warmly housed and given a variety of food give you from October or November from 15 to 25 eggs per fowl monthly, and so continue until the molt, which commences in July and is fully over by October, when they will again be ready for another winter egg harvest. By carefully banding your most industrious layers and using only these in making up your pens the coming spring you can thus easily lay a foundation for a laying strain that will within a very few years give you much pleasure and profit. Should you choose to enter the

fancy side of the business your lot is likely to be one of disappointment and sorrow. You will come in direct competition with hundreds of men who make it a profession, who spare no time or expense in producing and procuring the very foremost prize-winners of the country. Should you still persist in clinging to the carcass side of the problem select some of the extra large breeds, commonly known as the flesh-formers, caponize your cockerels, feed the flock to a finish and the results will astonish you. Whatever you do with pure-bred poultry do it with a specific object in view, and you will soon realize that the claims made for standard bred stock are well founded.

L. A. RICHARDSON.

Marine, Ill.

AN EXQUISITE REPRODUCTION OF A REMARKABLE PAINTING PRACTICALLY GIVEN AWAY.

"The Three Most Beautiful Roses."
By Paul De Longpre.

At the urgent solicitation of the *Woman's Home Companion*, Mr. Paul de Longpre, who is the greatest painter of flowers in the world, consented to make a painting of what he considered "The Three Most Beautiful Roses," and the painting is without doubt one of the masterpieces of this great artist. This magnificent picture is reproduced in all its original grandeur on the cover of the *Woman's Home Companion* for June. Although this cover is an accurate reproduction of a painting worth hundreds of dollars, yet the June number, which has this exquisite cover, may be obtained at any first-class news-stands or direct from the publishers for the trivial sum of only ten cents.

Mr. Paul de Longpre is justly styled the "King of Flower Painters." He not only paints roses, but every flower that grows, and is the highest authority on flowers. His paintings are found in the most select homes. Some have sold for as much as seven thousand five hundred dollars (\$7,500).

Artists, art critics and competent judges all agree that the covers of the *Woman's Home Companion* far excel those of any other magazine.

The *Woman's Home Companion* is a magazine which in beauty and excellence, art, stories, illustrations and fashions, etc., excels all other home and family magazines. The *Woman's Home Companion* is published by the Crowell Publishing Company, New York City, also Chicago, Ill., at one dollar a year, and is the favorite magazine in nearly half a million homes, where it is read each and every issue by three million people.

We have received a copy of the second edition of the "Book of the Ham-burgs," published by the Inland Poultry Journal Co., Indianapolis, Ind. This book has had an unprecedented sale, so it is necessary to put out the second edition within a year and a half from the time the first one was put on the market. This book sells for 50 cents and can be secured in connection with AMERICAN POULTRY JOURNAL for 75 cents.

Positive cure for all hog disease
Pratts Hog Cholera Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

THE WHITE LANGSHAN.

Not seeing an article for some time about the noble White Langshan in the AMERICAN POULTRY JOURNAL I thought I would remind its readers that the most noble breed is enjoying more popularity than ever before. All breeders of this noble variety report unusually large sales during the spring trade. The breeders should not be satisfied with the large classes of White Langshans at the different shows the past winter while it is something to be proud of, yet we should insist on larger. At Kansas City Poultry Show the White class was nearly twice as large as the Blacks and Kansas City is considered the Langshan center of America. More Langshans are exhibited here than any show in America.

Only five years ago not a White Langshan was at the show, and four years ago only six were exhibited, and since that date they have steadily increased in number until last January there were only two classes larger than the Whites, namely Barred Rocks and White Wyandottes. I will not speak of the quality but will give a few scores of birds. 1st hen 95¾, 2d hen 95½, 3d hen 95¼, 4th hen 95. Two hens in 1st pen scored respectively 96½, 96. All others in proportion. All judges and Langshan experts pronounced it the finest display they ever saw. The breeders of this variety have talked and written each other and have decided to organize a White Langshan Club at Portland, Oregon, during the Lewis and Clark Exposition, and I want every breeder to join this club. It makes no difference whether you attend the Poultry Show there or not. But would like to have every breeder of White Langshans that possibly can do so to exhibit there. Let us try and make the Whites one of the largest classes there.

After some persuasion we have secured Mr. A. H. Asche, of Princeton, Ill., to act as secretary of our club until a permanent secretary can be elected. Mr. Asche is no stranger to the breeders of

Langshans, he being ex-secretary of American Langshan Club. It was Mr. Asche who raised the membership of American Langshan Club from 34 to 144. No man in America has done more for the Langshan than Mr. Asche and it has always been a mystery to me why show associations like Chicago, Kansas City, etc., have not employed him to judge the classes, as his name would certainly be a drawing card for Langshans. We also wish to offer some specials on the Whites and any one who wishes to do so may send contributions to Mr. Asche, who will acknowledge the receipt of same. The fees for White Langshan Club will be \$1.00 for membership fee and \$1.00 annual dues. Annual dues to be paid Sept. 1st each year. Send Mr. Asche your \$1.00 immediately. Respectfully,

Mrs. J. S. HILL.

Route 1, Purdin, Mo.

Drugs and dopes are not desirable in ordinary cases. Some fine specimens may be worth saving by the use of drugs, and occasionally a remedy like spongia can be employed to put a chilled flock into normal condition; but the habit of stuffing animals with medicines is a bad one. Fowls can be forced into abnormal egg production by the use of stimulants, but such powders should never be given to a fowl that is really valuable. Health is the one thing sought after. Care, cleanliness and comfort will keep the flock in health and bring results in the egg basket.

A house ten feet square is none too large for a flock of twelve fowls. Overcrowding of confined birds is a positive detriment. Where runs and sheds are provided, a house of this size will serve as a shelter for twenty fowls.

Payne's Hen Feed

The best money can buy. Send for sample and book, "Poultry Pointers," free. Write today.

ALFALFA MEAL CO. 1632 Farram St., Omaha, Neb.

Chance of a Life Time

Millville Poultry Farm Company will discontinue breeding poultry for show purposes, and in future will devote its entire capacity to producing chickens and ducks for market. We will sell you any prize winner or breeding bird in our possession for 50 per cent of its true worth. This sale includes all our winners at St. Louis, New York, Boston, and at other leading shows, as well as cream of stock bred from these winners.

This sale positively closes July 10th. Any old birds remaining unsold at that time will be carried over until October, when we will hold a sale of cream of our 1905 hatched youngsters, and balance of our old stock.

Eggs from all prize matings half price during June.

Broiler eggs \$6 per 100, \$50 per 1000 during June.

Positively no shipments made between July 10th and October 10th, as Mr. Delano closes his connection with our farm on July 10th, but will return October 10th to conduct a sale for one month in the fall. Orders booked for October delivery at any time. Prompt buyers will procure the plums. Prices quoted on single birds, pairs, pens, or entire flock of any one variety.

We offer you the best in America in Barred, Buff and White Plymouth Rocks, Buff and White Wyandottes and Pekin Ducks and at prices you will pay.

MILLVILLE POULTRY FARM CO.

Maurice F. Delano, Pres.

Box J, Millville, N. J.

WHITE PLYMOUTH ROCKS EXCLUSIVELY

at the Phoenix Poultry Yards. \$15 eggs at \$7.50. Incubator eggs at \$3.50. These bargains for June. Single settings at \$2.00.

Phoenix Poultry Yards Batavia, Ohio

Didriksen's Rose and S. C. Black Minorcas

won 12 premiums at World's Fair, St. Louis, including 1, 2 and 3 Rose Comb cockerels, winners at Chicago and other large shows. Eggs from World's Fair mating, \$5 per setting; regular pens \$3. Stock for sale.

A. DIDRIKSEN, Whitewater, Wis.

BUFF P. ROCK EGGS

From Buffs that are buff, not the pale, washed out kind. Nugget strain, \$3 per sitting.

F. WHALEY, Appleton City, Mo.

IN THE EYES OF THE WORLD.

Canada's best S. C. B. Leghorns won more prizes last season at world's greatest shows than all other exhibitors combined. Profusely illustrated catalogue and mating list on request.

NATE K. CORNWALL, Thamesville, Ont., Can.

ORVILLE D. CHINN

Specialty breeder of Black Breasted Red Games. The exhibition kind of finest quality. Write me for prices. Kehoe, Ky.

Barred Rocks Exclusively

Winners at Illinois State Fair, 1902; Indiana State Fair, 1903 (A. P. A. Shows);

Illinois State Show, Jan. 2-7, 1905

They win for my customers too. First class stock for sale. Eggs from best pens, \$3 per 13; incubator eggs, \$6 per 100.

MRS. TILLA LEACH 1 Main St., Cheneyville, Ill.

THE IMPROVED CHAMPION LEG BAND

25 PAT. APPLIED FOR

Aluminum or copper, two sizes, adjustable to fit any fowl. Held by double lock. They can't lose off. Initials, 10 cents per 100 extra. Also Pigeon Bands.

**THE SUPERIOR**

is securely locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind, No. to suit, 12, 15c; 25, 30c; 50, 50c; 100, 80c. Sample for stamp. Circular free.

T. CADWALLADER, Box 802, Salem, Ohio.

**She's Too Lousy**

A printed five minutes talk sent free to everybody. "How to Keep Away Vermin Permanently," saving monthly expenses for whitewash, kerosene, insect powder, lice killers.

Carbolineum Wood Preserving Co., 122 Reed St., Milwaukee, Wis.

BIG SUCCESS WITH HOGS.

SOME farmers are more successful with hogs than others. The man that only gets 5 lbs. of pork out of a bushel of corn fed to hogs makes only half as much as the man that gets 17 lbs.

The American Swineherd is a specialist and the best authority on the hog industry.

Prof. Henry says that success is only obtained by concentrating all efforts upon one line.

A two years' course in Hog Raising:

Teaching how to be successful.

How to secure the greatest profits.

How to get 17 lbs. of pork out of a bushel of corn and 19 lbs. from a bushel of wheat fed hogs.

How to feed to double the growth and gain over usual methods; only healthy hogs profitable.

How to keep your hogs healthy.

How to utilize, without other expense than the subscription to this paper, the costly experience and gathered wisdom of the most capable and successful feeders.

Prof. Kennedy of the Iowa Agricultural College says "Your paper is a leader in its line on feeding."

Every owner of hogs should take advantage of this special offer.

Send us \$1 for two years' subscription to the American Swineherd and it will entitle you to a free copy of the Hand Book on "Hog Hygiene," with trade secrets, recipes, valuable information, etc. If the offer is accepted in ten days we will send you in addition the wonderfully suggestive picture in colors, "Uninvited Guests," suitable for framing, showing the pigs partaking of a meal uninvited.

This equips you for a successful hog business.

AMERICAN SWINEHERD

542 Como Bldg., Chicago, Ill.

HOW TO TELL THE STORY.

Some one asked a millionaire how he gained success, and the answer was "by watching the little details," so with advertising, success is sure to come if we watch the details, the small ends.

While we all concede the desirability of advertising and the necessity for it, if we attain our meed of success in the poultry business, we all realize that there are many elements that enter into the subject of advertising successfully.

First of all make a definite plan, and one that you can execute, and that will not cramp you financially. Consider well what you wish to do, and then count over the available cash, and make your plans accordingly.

If you wish to sell eggs to the trade, that means one kind of advertising; if you wish to sell eggs to the consumer, that is another; if you wish to sell high priced eggs for hatching to fanciers, there again is another plan required. So

avoid technical phrases. Beginners are good buyers, but have not learned all the phrases, keep them in mind, and the rest of us will comprehend as well.

Having written the ad, the next thing is its illustration if it be possible, for that individualizes it and sets it out from the rest, for this there is nothing better than good half tones, made from your own photographs; stock cuts show the variety, but not our particular birds and strains and that is what we wish to sell. A few dollars invested in half tones will be well expended.

Then a trademark is a good thing, whether it be a device, a monogram or a name, that serves also to individualize the ad, and catch the eye. However, much you may change your illustration and copy, always have that trademark in evidence, so that it will stand out as a beacon for the alert and discriminating reader. It pays!

Now we come to the matter of typographical composition, and here is where



BARRED PLYMOUTH ROCK COCK.

Winner of first at High Point, N. C., and Richmond, Va., 1904. Owned by C. C. Randleman, Ramseur, N. C.

also with poultry, there are the three possibilities and no single ad will cover all the grounds.

For instance, we who are readers of THE AMERICAN POULTRY JOURNAL, than which there is none better, would fare forth with high bred poultry, and fain would sell them to discerning poultrymen the land over, we wish to reach the best class of buyers in the country, now what?

Advertising writing is not a test of adjectives, but should include a good straight talk on facts, it should include a comprehensive resume of what there is to be sold, and why it is the best in the world. There is no question about that "to doubt would be disloyalty." Abstain from jokes, facetiousness, and double meanings. Avoid clap trap, and catch phrases, and comparisons. Be simple and you will win! Don't try to tell it in your first ad, either. Cover the ground and cover it tersely so that he who runs may get the idea and again,

there must be much care and attention. Make the compositor use a good clear face of type, and if possible a good border to fence your space in. Never use type smaller than brier in your ad, if you expect many to read it, better take twice the space; or a couple of months to the telling than try to crowd a book into a stick of type. Ask for a proof if there be time, and then you can O. K. your copy and know what you are going to have. But don't send copy in at the last moment and expect proof, for someone will be disappointed.

The selection of the medium requires careful attention, and serious consideration, and in this the field you wish to reach; the character and purse of the readers; and the shipping facilities you may have, are all questions that are equally paramount with the rate for space, in fact that is a minor question. Choose a locality that you can ship to speedily and be ready to serve on the moment. Consider the economic ques-

tions that exist, for they determine the needs of your prospective customers. If you are situated so that you can ship any where, any time, choose a National poultry paper, and AMERICAN POULTRY JOURNAL is a very good type of such a paper. Its readers dwell in every state in the union and far beyond, and they are all possible customers. The advertising rates of all first class publications are fixed on the circulation so you only pay for what you get, and no more.

Next to be considered is position, and this in advertising, as in life is important. Preferred space, or next to reading is the best, but in most cases we read all the ads. The preferred space, however, is read first, naturally, and is worth the additional price asked. The best advertisers in the country are users of preferred space, so it evidently pays, and more. Your location in the paper is a part of the makeup of that paper, and if you do not have special position the foreman will usually take good care of you, if your copy is set in time.

Keeping everlastingly at it, brings success, and judicious advertising is never desultory, and is always timely.

Who was president 20 years ago? We have to stop and think. Who is president now? Theo. Roosevelt. Yet General Garfield was as well advertised then, as Mr. Roosevelt is now, only the former advertising was stopped some time ago.

So with the advertising of standard bred poultry today, who cares what was advertised yesterday! If I could only buy twelve inches of space, I would divide it up in twelve issues, and keep it in every month, it will pay better. Be systematic and keep the ball rolling and your advertising will bring results, it cannot help it.

But there is one thing more that I would like to say, and that is have a good supply of literature to follow up your advertising with. The ad has done its duty when it brings the customer to your door, it is up to you then, you "must coop the chickens."

Have a good booklet, carefully arranged and artistically printed and illustrated, and enclose it in the letter to the inquirer. If you don't hear from him in ten days write him again and send him something else, keep your name before him, and from time to time send him more matter, so that in the end and the next time he wants fine stock he won't even think of any one else.

-C. Q. MURPHY.

Grand Rapids, Mich.

"DER GEFLUEGEL-ZUECHTER."

The stockholders of the "Der Gefuegel-Zuechter Pub. Co.," of Hamburg, Wis., held their annual meeting at their office on the 6th day of May, last, with a very good attendance, from all parts of the States, in person and by proxies. The shareholders are all readers of their publication, and therefore take great interest in same. Mr. Frank X. Thuma was elected as director for three years, and at the directors' meeting on the 10th inst., the old officers were again elected for another year.

It was also decided to go on with im-

proving the printing plant by erecting a new substantial structure and equip same with new and modern machinery at once. The company has some shares of stock to dispose of yet at \$1.00 per share, but it is expected that these will be all sold in a very short time, as the demand is good.

With the May issue of their publication, the "Der Gefuegel-Zuechter," the only German poultry journal known to us in the States, the publication entered upon its 17th year, and the prospects for same were never better. Mr. Henry E. Voigt still remains manager and editor-in-chief, and a more desirable management could not be wished for. He was the organizer of same, and has had many a hard time of it to get the journal to where it now is, and it should be patronized by every German in the country, as it is well gotten up, and is deserving of patronage. Should any of our readers wish to see a sample copy, they should send to the above address for one, as it is well worth the trouble, and it is free if you mention this paper. Subscription price only 50 cents the year, including a premium Jahrbuch for 1905, of 68 pages, which alone is well worth the subscription price.

CHANCE OF A LIFE TIME.

The Millville Poultry Farm Co., Millville, N. J., will discontinue breeding poultry for show purposes, and in future will devote its entire capacity to producing chickens and ducks for market. As our readers well know the following varieties have been bred on this farm: Barred, Buff and White Plymouth Rocks, Buff and White Wyandottes and Pekin ducks, and under the able management of Maurice F. Delano, president and manager, have taken over twelve hundred prizes for the past five years at the great shows in the country.

Positively no shipments will be made between July 10 and October 10, as Mr. Delano closes his connection with the farm on July 10, but will return October 10 to conduct a sale for one month in the fall. Orders can be booked for October delivery at any time. In the meantime up to July 10 prompt buyers will secure the plums. They will sell any prize winner or breeding bird in their possession for 50 per cent of its true value. This sale includes all their winners at St. Louis, New York, Boston and other leading shows, as well as cream of stock bred from these winners. This sale positively closes July 10. Any old birds remaining unsold at that time will be carried over to October, when they will hold the sale of the cream of their 1905 hatched youngsters and the balance of their old stock.

Sales of eggs from all prize matings will be made at half price during June.

In making these sales of stock, prices will be quoted on single birds, pairs, pens or entire flock of any one variety. They have no intention of giving them away or of making too much of a sacrifice, but quotations on any quality of bird will range about 50 per cent of usual prices for that quality. This is an opportunity seldom offered to acquire the very best stock, and is a bonafide sale of every show and breeding bird on this place, and is an exceptional opportunity for any one to secure the very best stock for show or for a foundation of breeders at prices far below their true value.

Payne's Mash Feed

makes hens lay and chicks grow. Send for sample and book. "Poultry Pointers," free. Write, ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

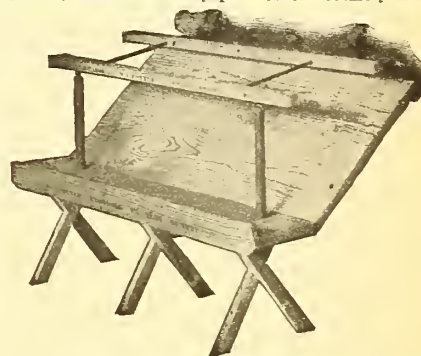
BROWN LEGHORNS.

THE EMPIRE STRAIN ALWAYS WINS.



DON'T BUILD

that new hen house or think of fixing up the old one until you have secured a copy of our large thirty-page catalogue on Poultry House Fixtures. You will then decide, as have hundreds of other poultry raisers in every part of the country that



The Potter Portable Hennyer Outfit and Vermin Exterminator Roost

are the greatest improvements of the age in the line of up-to-date, convenient, time and labor saving poultry house fittings. They are the 20th century fixtures; they save you time, labor, worry and money in your poultry work. You can never successfully and properly do this work and get the results you want, clean and sanitary quarters, healthier fowls and larger egg production until you have your house equipped in the right manner. Our fixtures are made in three styles and over 40 sizes; so we can fit up any house large or small, no matter how arranged. Some people buy two outfits and others buy twenty-five. You can decide just what you need after reading our fully illustrated catalog. Write today enclosing one red stamp.

T. F. POTTER & CO.,

Box A. Downers Grove, Ill.

ABOUT THE SOUTH

"About the South" is the name of a 64-page illustrated pamphlet issued by the Passenger Department of the

Illinois Central R. R. Co.

in which important questions are tersely answered in brief articles about

Southern Farm Lands,
Mississippi Valley Cotton Lands,
Truck Farming, Fruit Growing,
Stock Raising, Dairying,
Grasses and Forage, Soils,
Market Facilities
and Southern Immigration

along the lines of the Illinois Central and Yazoo & Mississippi Valley Railroads, in the States of Kentucky, Tennessee, Mississippi and Louisiana, including the famous

YAZOO VALLEY

of Mississippi.

Send for a free copy to J. F. Merry, A. G. P. A. I. C. R. R., Dubuque, Iowa. Information concerning rates and train service to the South via the Illinois Central can be had of agents of connecting lines, or by addressing

A. H. HANSON, G. P. A., Chicago, Ill.

All successful Poultry Raisers know Pratts Powd. Lice Killer.

Made by Pratt Food Co., Phila. Over 30 years old.

Questions and Answers

Questions asked by subscribers will be answered in this department.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Will you please answer in your next issue the following: I bought some Black Minorcas of the best possible blood and I have found a few of the young I hatched out some white feathers coming in the lower part of the wing. Is this natural or what is the cause?

C. H. S.

Webster, Pa.

Answer: Solid colored birds have off colored feathers in their plumage to a greater or less degree. Pull out these white feathers and they may come in the proper shade. If they do not, the birds will not be suitable for breeding purposes when mature.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: I wish to ask you what is wrong with my chickens that the eggs are not fertile. Has it been in the way I have fed and wintered them? I have fifteen hens and one cock. I kept my fowls in a good, warm house, well protected from draughts. I feed corn, wheat, oats and chop feed; also a little poultry food, oyster shells and ground bone; cabbage leaves, apple and potato parings

for green food. Hens laid well all winter. About the middle of March set fifty eggs in incubator, hatched twelve chicks. Set hen about same time on fifteen eggs, hatched four chicks. Fowls seem to be in good health and look well. Would like to know if I have neglected or overdone something. The eggs are not fertile to any great extent: some weak; but those that do hatch are plump and strong.

J. H. C.

East Liverpool, Ohio.

Answer: The indications are that you overfed your fowls during the winter and they became overfat. Eggs from overfat fowls very seldom prove fertile. Change your feed to good, sound, whole wheat, and feed this in the litter so they will have to work for their food. Wheat and plenty of exercise and a good vigorous male bird will produce more and better fertilized eggs than anything else we know of.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer through your questions and answer column. Would it hurt the health of hens or spoil their feathers to spray coal-oil in

their feathers to kill lice or mites on them?

A. E. S.

St. James, Ill.

Answer: Coal oil used in this manner will have a tendency to spoil the plumage and will blister the skin of the bird. Use the coal oil on the perches and some good lice powder on the fowls, and thoroughly whitewash the houses and coops and you will not be troubled with lice.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: We have lost two (2) valuable hens in a few weeks with water and wind in crops and very little food as we did not know what to do for them. We killed one and tried to work the water and wind out of the other one, that one choked to death. Will you kindly tell in your next issue of the JOURNAL what the cure is for it, if any, and what causes it.

E. M. K.

Syracuse, N. Y.

Answer: This is what is known as catarrh or inflammation of the crop and may be caused by irregular feeding and by too much food being taken at one time. Begin treatment by placing the afflicted bird or birds in a clean, dry pen where proper attention can be given to the treatment and where the food can be regulated. The first step in treatment is to empty the crop of its irritating and decomposing contents by careful pressure and manipulation while the bird is held with its head downward. When the crop appears to be entirely free of its contents, give two grains of subnitrate of bismuth and one-half grain of bicarbonate of soda in a teaspoonful of water. This will relieve the irritation and correct the acidity. The bird should



SPECIAL SALE

To make room for the several thousand Fishel White Rock chicks now growing to win the coveted prizes this fall and winter, I am offering FOR SALE at SPECIAL PRICES something like one thousand selected breeders, choice exhibition birds and several flocks of excellent UTILITY FOWLS. I realize you want the best blood obtainable, therefore

Fishel's White P. Rocks

are sure to please you. As exhibition birds they stand without an equal. Did you ever consider the excellent record made by the Fishel White P. Rocks? They have won the leading prizes at St. Louis World's Fair (17 prizes, being double the amount of prizes won by any

any two other White Rock exhibitors, and they were all there, East, West North and South), Chicago, New York, Indianapolis, Great Crystal Palace and Dairy Shows, England, Memphis, Atlanta, Hagerstown, Pan-American, Cleveland, Los Angeles, Fresno, Dallas, New Orleans, etc., while as utility fowls they stand without an equal, in fact any place you put the Fishel White Plymouth Rocks they are acknowledged

"The Best In The World"

Why buy stock you know nothing about when you can secure line-bred birds for the same price. My NEW 48-PAGE CATALOGUE with SPECIAL SALE PRICE LIST is mailed on receipt of 6 cents in stamps. This is the most elaborate Poultry Catalogue ever issued. Write me your wants, please, or send for List.

EGGS FOR HATCHING

\$5.00 per 15
\$15.00 per 50
\$25.00 per 100

U. R. FISHEL

- -

Box A, Hope, Indiana

be kept without food for eighteen or twenty-four hours, and then fed sparingly upon soft, easily digested material. If one-half grain of quinine is given morning and night for two or three days the recovery is hastened. If treatment is commenced in time most of the birds will recover.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: 1. Are pullets from cockerel matings good for breeders? 2. I bought one setting of eggs this season. Would you breed the pullets and one cockerel from the same hatch or buy a new cockerel? MRS. A. M. L.

Answer: Quits frequently there will be some good pullets developed from cockerel matings. The cockerel may be used on the pullets, but we believe that better results will be secured by mating the pullets with a vigorous two-year-old cock.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Am breeding from a pen of Silver Laced Wyandottes, consisting of last June cockerel and five hens ranging from two to three years old. Hatching with hens and find that few eggs hatch, and those chicks very weak; others pipping but dying in shell and upon breaking the unhatched eggs find fully developed chicks. Last year had same trouble with these hens and three-year-old rooster. Can you explain what causes this? F. R.

Port Jervis, N. Y.

Answer: This is evidently due to a constitutional weakness in your fowls, or to your method of care and feeding during the winter months.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer in your next issue of the AMERICAN POULTRY JOURNAL this question. My eggs are failing to hatch. In breaking open the eggs there are chicks in them but they are dead. I have young stock and they are fed corn, millet and oats and get all the green feed and plenty of oyster shell and exercise. C. E. W.

Hammond, Ill.

Answer: There is a great many complaints of the above character this spring, but it is almost impossible to tell the cause. There are several reasons for this. The main reason we believe is lack of vitality in the male bird. All male birds used for breeding purposes should be strong, healthy and of the most active and vigorous type obtainable.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please tell me in your next issue how high the temperature in an incubator can get before killing the life in the eggs. C. M. C.

Muncie, Ind.

Answer: The life of the chick is in danger when the temperature goes higher than 110 degrees, and at 120 will kill the germ.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer these questions in the columns of AMERICAN POULTRY JOURNAL:

1st. What is the surest way to get rid

Puts new life and vigor in stock
Pratts P. V. Condition Powder.
Made by Pratt Food Co., Phila. Over 30 years old.

of hawks, besides shooting them? Will nux vomica fed to chickens and the hawks eat them kill the hawks and not hurt the other chickens and how much to each ten chickens?

2d. Please tell me the markings of a full blood Cornish Game.

3d. What is good for limber leg and neck?

4th. Is a cellar four feet deep enough for an incubator and brooder?

5th. Can you tell me the remedy for a chicken affected as follows: When first affected cannot follow the hen, and it is cold and stiff before it dies?

Trenton, Tenn.

H. L. M.

Answer: We would not advocate the use of poison to get rid of hawks, as the other chickens would be very liable to get some of the poison. Shooting is the safest method. 2d. A full description of the Cornish Game is given in the American Standard of Perfection, the new edition of which will be out in the near future. We are now booking orders for same. Price \$1.50. 3d. Limberneck is caused by fowls eating maggots. Remove the cause. There is no positive cure for this disease. Limber legs, or leg weakness, is generally caused by fowls being housed in filthy and damp quarters. Remove the affected birds to dry and well-ventilated quarters and give 20 to 30 grains of bicarbonate of soda (baking soda) in the drinking water, daily. Do not feed any meat or stimulants of any kind. 4th. This depends on the location. If the soil is damp it should not be very deep, but if the soil is dry, four feet, or even deeper would be all right. 5th. Lice is the cause of chicks getting in this condition. Use some one of the head lice remedies advertised in these columns.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer the following questions in the next number of your paper:

1st. Is there any sure cure for chicken cholera? If so, what is the remedy? What remedy or treatment would you recommend to prevent cholera?

2d. I have a hen that commenced to molt late in the fall and she is not done yet. She don't lay and don't seem to be very healthy. What is the cause and treatment? J. T. S.

Johnson City, Tenn.

Answer: 1st. Genuine fowl cholera is not often found. It is often confounded with some form of indigestion that produces somewhat the same symptoms and are generally fatal. Cholera proves fatal in about three or four days and treatment is very seldom successful. As good a remedy as any, or one that will be as apt to produce results, is charcoal and tannic acid, one tablespoonful of tannic acid, one quarter pound of powdered charcoal, mixed in about four quarts of soft feed. Wheat bran is the best to use in the soft feed. The charcoal will sweeten the crop and remove the gas from the bowels and tannic acid is one of the most powerful astringents known to the medical world. The fowls should not be given food in any other form for a few days, or until they show signs of recovery. One of the symptoms of fowl cholera is loss of appetite, but in exceptional cases it has been observed that the fowl will eat nearly to the time it dies. One of the first symptoms noted is the yellow coloration of that part of the excrement voided by the kidneys,

PAYNE'S CHICK FEED

Contains everything needed by chicks—grain and meat products. Send for sample.

ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

SUPERIOR EGG PRESERVER!

Our Egg Preserver is guaranteed to keep eggs fresh and sweet indefinitely. Invaluable to the family and to the Egg Shipper. Buy eggs during the summer and hold them for winter prices. Price, \$1.00 prepaid, sufficient to preserve 1000 eggs. Complete instructions. No extra expense or attention required. Address

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are in front among the best on earth. Distinguished for unusually narrow, clear, ringy barring, birds of my exclusive breeding in my hands winning five-sixths of the prizes competed for. EGGS from Wilkesbarre, Pittsburg, Elmira and Auburn winners, 3y, \$3; 5y, \$5.

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Is selling eggs from his B. P. Rocks, Pekin, Ronen and Indian Runner Ducks at \$2 per setting. Also Bronze Turkey eggs at \$2.00 per 9. Every breeder a winner. Order from this ad.

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Bufs win two state cups in succession and over one-half of all cash and other specials at the last two cup competitions. Barred win five places at Postoria. 400 Barred and buf to select from. Write your wants. Catalog free. Eggs in season.

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Envelopes 3 1/2 by 6 1/2 inches, an extra thick, strong, smooth, hard slick white writing surface, and 125 Letterheads, 8 1/2 by 11 inches an extra heavy, hard, slick, fine smooth, pure white writing paper. All artistically printed to your order and illustrated with latest new Standard cuts of your choice breed of fowls, postpaid for \$1.00. Better printing at the price was never done. I'll please you. Make all money orders payable to me at Big Clifty, Ky.

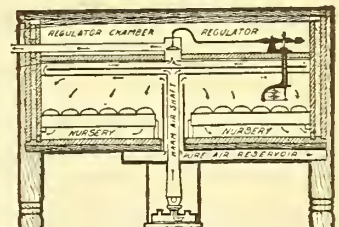
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We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.

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Brooders, Poultry Houses,
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A 200-Egg Warm Air or Water Incubator for \$12.00. Five walls, three of wood and two of strawboard.

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Sold everywhere. Free trial sample for 2-cent stamp. Write for "The Shavers Guide and How to Dress Correctly."

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King's Barred Ply. Rocks

are attracting the attention of the poultry world. Why? Because they excel in many respects. A few eggs will demonstrate this fact to you. Can spare a few more settings. Write me today for circular and prices on breeding stock. Remember the specialist for best results.

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We have about 800 head of very fine Golden, Silver Laced and White Wyandottes and Golden and Silver Sebrights yet to spare at very reasonable prices. Eggs from our fine matings \$3 per setting, two settings \$5. Our large circular is free and tells all about our birds. Also fine Belgian Hares cheap.

JRA C. KELLER, Brookside Farm, Box 75, Prospect, Ohio

Bair's Barred Rocks

are daily proving their claim of being leaders for exhibition and utility. In my yards the 300-egg hen is a reality. Lady Pan, the greatest living hen, has a record of 247 eggs for year 1903 and 11 blue ribbons won in the largest shows of the country. I have for sale fine ecks, from Lady Pan pullet line, and extra fine eck, breeding pullers. Eggs from selected matings \$3 for 15, \$5 for 30.

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Leghorns, Rose and S. C. Browns, Rose and S. C. Whites, White Wyandottes, Barred and Buff Rocks, P. Ducks and Light Brahmas. Eggs \$1 per 15, \$6.50 per 100. Special pens half, but three and eleven.

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Can be attached to any nest, automatic, shows which hens lay the eggs. Sample, postpaid, 25 cents.

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which in a healthy fowl is white, but this is present in other diseases, and in itself is not an infallible indication of cholera. The droppings are constant and are thin and watery, changing from yellow to green. The bird droops and falls into a drowsy condition, from which it is with difficulty aroused. The crop is somewhat distended and has the appearance of being paralyzed. There is great weakness and loss of flesh and the bird falls over at the slightest touch. The diarrhoea is severe from the start, and the comb turns pale and seemingly bloodless. In some cases the bird dies in convulsions. A postmortem examination shows the gall bladder distended and the liver greatly enlarged and dark green in color. Cholera is a germ disease and is generally communicated by afflicted birds contaminating the ground with their droppings and those coming in contact with food or grit taken by other birds. The wisest course to pursue in case of cholera is to isolate all affected birds, burn or bury the dead fowls and thoroughly clean and disinfect the houses and runs. As a disinfectant use one pound of carbolic acid to ten quarts of warm water. Use a sprinkling can, such as is used for sprinkling flowers, and apply liberal quantities of the solution once a day for at least a week.

2d. This may be caused by lice or by a diseased condition of the fowl. Lice will very often weaken a fowl so that they are unable to molt as nature intended they should. We would advise that this hen be killed and buried, as she will never be any good as a breeder.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer through your question and answer department, the following question: Is gravel land suitable for poultry?

J. R. S.
Phoenix City, Ala.

Answer: Gravel land is very desirable for poultry.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer the following under "Questions and Answers": Would it be advisable to put \$5,000 into a plant for raising broilers only? W.
Clio, Mich.

Answer: It would be just as advisable to put this amount into a broiler plant as it would be to put it into a dry goods business or the grocery business. If you don't know anything about the business, go slow and learn as you go.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer the following in your next issue:

1st. Should the droppings be swept off the chicken yard where fowls are confined?

2d. I have been using coal oil for scaly leg and am told it will penetrate the bone and injure my hens' legs. Will it do so?

3d. Will dry granulated bone answer the purpose of animal food for hens? How much and how often should it be fed?

W. F. A.
Beelsville, Ind.

Answer: Wherever possible the droppings should be removed. If this cannot be done, the ground should be spaded up frequently. 2d. Coal oil in itself might be injurious; a little lard and sulphur mixed with the oil will be

found very beneficial for scaly legs. 3d. Dry granulated bone is very good, but not as good as fresh ground raw bone. Two ounces to each fowl about three times a week is sufficient.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Will you please tell me if Cochins Bantams have feathers on their legs when they are first hatched?

Kewanee, Ill.

L. J. M.

Answer: They have the down on their legs and toes when hatched.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: I am a subscriber to your paper which I peruse very carefully and find very helpful. I noticed a short piece in March number on page 246 written by one Edward Fly, to which I am tempted to answer. Although I am not a writer, I would like to submit to you a short article, to be printed in your paper if thought desirable.

The first thought which struck me upon reading the above mentioned article was how very misleading such statements are to young or inexperienced persons about to embark in the poultry business. Such persons would be liable to look upon the hen as an easy mark to get money out of, to use a slang phrase, whereas I think that nearly every one who has kept fowls and endeavored to make a profit out of them, found in a good many cases that the profits were alarmingly small, in some cases so much so as to be invisible to the naked eye. What good are all these theories on egg production and profit anyway? They prove nothing except to show in some cases, the writer's ignorance of the subject of which he is writing. I will venture to wager a considerable amount that Mr. Fly has not himself, if a poultryman, been able to clear a net profit of \$900 from 400 hens in the manner he describes. Neither can he name or point to anyone else that has done nor can do it along those lines. I also challenge him to find one single flock of fowls in existence to-day that four hundred of them will average over one hundred and eighty eggs apiece a year. It has not been done, and it will be a long, cold day before it is done, either. Also I would like the menu and prices of grain and feeds whereby four hundred hens and five hundred chicks can be kept and raised for \$500.

I keep some hens myself and have considered them fairly good layers and have not thought they ate more than the general run of fowl, but I can't average 180 eggs per hen per year for the whole year, neither can I keep a hen a year for a dollar or less, but perhaps my methods are not up-to-date and I am not making the most of my opportunities. If so, I wish Brother Fly would give us some inside information as to how to achieve these remarkable and desirable results. Such information would, I think, be greatly appreciated not only by myself but even by old gray-haired poultrymen, men who have been in the business all their lives.

Really, to come right down to the ground floor of this thing, wouldn't it be a great deal more instructive and interesting to be able to tell just what

Veterinarians use

Pratts Prepared Fever Powder.

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you had been able to do in the poultry-yard and not to what flights of fancy your pen may have carried you on paper? A recent writer in a poultry paper headed an article thus: "It is a well-worn path that leads to the poultry house where the winter eggs are found." The writer in that article expressed his opinion that the additional care and trouble to produce winter eggs was greater than the profit derived from them. Personally I should disagree very stoutly from that gentleman's opinion, as I believe that in the winter eggs is where the real profit of profits comes in, yet I think the statement of the well-worn path is literally true. I think that even with a good egg yield in winter one comes pretty near earning what they get and doubt very much if the profit runs up in the big figures.

I have kept hens for several years and have always been able to show a small profit at the end of the year, but do not regard it as a bonanza or get rich quick scheme by any means. In conclusion let us hope that Mr. Fly will come again and give us something less elusive and more satisfying than conservative estimates, which at best are slippery things and which prove that if figures won't lie they will at least bring us to misleading conclusions.

ALVIN L. DUDLEY.

Kendal Green, Mass.

CARE OF THE CHICKENS.

With many of the old fowls shortly becoming ragged and untidy looking, as will be the case, the chief interest in those yards in which chickens are reared will center in the young birds. A great amount of discussion has taken place as to whether the chickens should be allowed water to drink or not. Some of the most successful breeders of prize poultry allow no water to their young stock, while others give both milk and water. As the chickens will drink greedily, when offered water, it has been inferred that it is cruel to withhold it from them, but the young of many wild birds have little or no water. Upon many estates, where pheasants are largely reared, the best results are said to be arrived at when the no-water system is adopted. The young birds are then not liable to gapes, often so terribly fatal, and are seldom severely troubled with diarrhoea. Rearing of game fowls, too, are in the habit of giving only a little water twice a day.

The well-known poultry authority, Mr. Lewis Wright, who has gone exhaustively into this question, has come to the conclusion that the preponderance of experience is on the side of withholding water. If the chickens are hatched late and the weather is hot and dry, a difference should be made, but, in the spring, when soft food is mainly given, one drink after breakfast and probably a few sips at night, will be found sufficient. Young chickens should never be allowed to drink an unlimited quantity of cold water after prolonged thirst, and those that have been accustomed to a constant supply of fluid from the first should have any change made very gradually.

There is no question that chickens are reared more easily and satisfactorily

Kills lice on horses and cows
Pratts Liquid Lice Killer.

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when they are kept apart from the full-grown fowls, so, if it can be managed, they should have separate quarters. In any event, they ought to be fed where they can have their meals without being ill-treated and tramped on. To enable this to be done, some wooden framework can be made of thin boards nailed together in the shape of a square and the top covered with wire-netting. The size can depend upon the number of chickens and the dimension of the yard, but five feet by five feet with a height of fifteen inches will generally be large enough. A few holes should be made in the sides sufficiently big for the chickens to go in, but too small for the old birds. If the food is thrown inside these shelters, the youngsters can feed unmolested.

During hot weather, if the chickens lose their appetites to some extent, the supply of food can be decreased by giving less at each meal and giving fewer meals. If there is no grass run for them, plenty of green food must be supplied, lettuce leaves or cut grass are as good as anything, but must be given fresh daily, all not eaten the previous day being removed. The soft food will soon get sour in the summer, so it should be mixed only as required and all feeding troughs must be constantly cleaned, otherwise diarrhoea will make its appearance, probably with many fatal results. If this malady is noticed, some boiled rice, well sprinkled with powdered chalk, will often stop it. Rice water to drink will sometimes affect a cure, and in the more serious cases, a few drops of chlorodyne (about half a dozen) three times a day, will prove efficacious. The chickens should grow fast during the warm weather, if fed and treated with ordinary care.

Poughkeepsie, N. Y. A. V. MEERSCH.

SELECT FOOD EGGS.

The egg derives its albumen and shell from the oviduct. When an egg is not properly shelled, it shows that something is wrong with the hen that laid it. Whatever the trouble may be, it is likely to become chronic and injure the breeding value of the bird. I believe that eggs with rough, uneven, chalky or ridgy shells should be discarded and also the hens that lay them.

F. O. WELLCOME.

Sore backs are the direct result of the use of a too vigorous cock, and one whose spurs and nails are too sharp. When the hens commence to show signs of this trouble, just watch them awhile, and you will soon see how it is caused, and the remedy is a very easy and simple one, about all that is necessary to prevent the spread of the trouble being to trim off slightly the spurs as well as the sharp ends of the nails. At first the feathers of the hens on the backs show that some of them have been torn off, and unless the cock bird be treated as above the backs become raw and sore, presenting a very bad appearance. When they have gotten sore, apply a little sweet oil, and keep the birds out of the sun, and away from the cocks until the wounded parts commence to heal nicely. If the breed is small the hens may be injured by too heavy a male. Remedy then lies in changing to a smaller male, or possibly in removing him entirely if the flock is only for domestic uses or for pleasure.

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Send 10 cents in stamps for mammoth 140 page catalogue and receive a large number of seed samples free. Salzer's Billion Dollar Grass yields 14 tons hay per acre; does well everywhere, will do well for you.

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NOW IS THE TIME To begin making calculations on your poultry matters for the coming season. I am still in business with either birds or eggs of the **Rose Comb Brown Leghorns, Barred Plymouth Rocks, and Buff Orpingtons and Silver Laced Wyandottes.** JAS. H. TROUGH, Minden, Neb.

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Blood as good as the best. Look up our show record in previous ads and the sensational price we sold for at Chicago show last year. Eggs \$2 per setting. John J. Kieg & Sons, Romeoville, Ill., P. O. Lockport, R.F.D. 4.

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from good cock birds and year old hens. All good and only a few to spare.

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ROSE COMB BROWN.

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J. A. LELAND, SPRINGFIELD, ILL.

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EGGS \$2.00 per setting, two settings for \$3.00, Stock for sale at all times.

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You can't have clean seed without a fanning mill. There will be a certain percentage of weed seeds and dirt in every bushel that has not been run through a fanning mill.

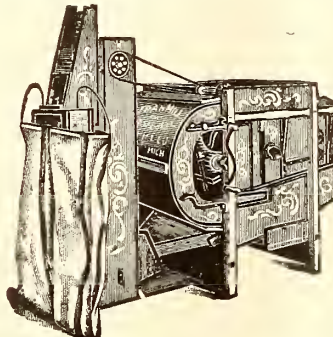
And in spite of all your care, some oats or other grain will get mixed in with your wheat unless you use the fanning mill.

Then again, it is utterly impossible to have your grain of perfect grade if you take it just as it comes from the threshing machine. The threshing machine isn't in the grain-grading business—it shells out any grain that comes along—mixes the good, bad and indifferent all together.

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Campbell Co., Ltd., mentioning this paper, you can get the very latest and most authoritative information on every phase of this important subject. The Chatham fanning mill not only enables you to do away with the weed nuisance, but to increase the yield of every acre sown or planted, and insures you the highest market price for your crops. Just ask for the free book, "How to Make Dollars out of Wind," when writing to the company. It is a book every wide awake farmer should read.

King Bros., formerly of Oshkosh, Wis., have removed to Omro, Wis., R. F. D. 21. They are exclusively breeders of Barred Plymouth Rocks, breeding the well-known Thompson strain of Ringlet Barred Plymouth Rocks. They pay especial attention to the shipping of eggs and these eggs are from the finest exhibition cockerel or pullet matings at a very reasonable price. They will send free their illustrated catalogue describing their matings.

J. H. Doane of Gouverneur, N. Y., as our readers all know, makes a specialty of Black Minorcas. They are farm raised and can be depended upon. The balance of the season, he will sell eggs from his best matings at a reduced price.

G. A. Gibson of Hector, Minn., breeder of Buff Orpingtons, writes that his birds never lost but one first prize in competition which demonstrates the splendid quality of his stock. He is selling eggs from all his matings at reduced prices now.

H. C. Beebe of Canton, Ill., writes that he has 600 of the best early S. C. White Leghorn chicks he ever raised. Part of this stock came from Mr. Travers of Brighton, Mass., who has taken a premium on eggs at Boston the last ten years. The balance are crossed between Blan-

chard's stock and Vanatta's Chicago stock, except 200 which are pure Vanatta strain.

WEDDING ECONOMY.

The practical side of a wedding, the problem of bringing the festivities within a reasonable expenditure, is given consideration in a carefully written paper in the June *Delineator*, which contains also suggestions for wedding cookery that will be appreciated by those who are interested. Various other items of domestic value are given in the form of recipes under the headings "Luncheon Dishes," "Spinach and Its Hygienic Value," and "Unique Decorative Desserts," and Isabel Gordon Curtis adds a chapter on canning fruit in "The Making of a Housewife." House plans and house-furnishing ideas and seasonable gardening suggestions are other features that will appeal to home makers.

BRASS.

If a man has a cheek of brass, perhaps he can afford to use any old soap for shaving. Most men, however, must steer clear of ordinary soaps, if they wish to shave with ease and safety. Common soap is too harsh for the delicate skin of a man's face. It yields a thin, miserable lather, the razor pulls, and the skin is left sore and rough. Williams' Shaving Soap is made especially for shaving tender faces, and yields a rich, lasting lather, and leaves the skin soft and velvety. As per their offer in another column, the J. B. Williams Co., Glastonbury, Conn., will send you free a trial sample. "Be fair to your face."

Ira C. Keller of Prospect, Ohio, has a change of ad this month in which he announces a sixty-day sale of Golden and White Wyandottes, in which he offers about 400 head of this year's breeding birds at less than half price out of this year's matings. This is a rare chance to get some of America's best birds.

His birds won thousands of premiums at the leading shows for the past eighteen years, including World's Fair, Chicago, Boston, Philadelphia and Buffalo, and three hundred premiums at Madison Square Garden, New York. He is also offering eggs from his fine matings at a cut price the balance of the season. If you want fine birds and eggs at great bargains, you cannot do better than to write to Mr. Keller.

In a notice regarding the stock of Mrs. A. J. Colvin of Pearl, Ill., no mention was made of the fact that she breeds Barred Plymouth Rocks. Mrs. Colvin makes a specialty of Barred Plymouth Rocks, and her ad in the May issue was incorrectly headed "Buff Plymouth Rocks." We wish to call attention to these errors and also to emphasize that Mrs. Colvin makes a specialty of her Barred Plymouth Rocks as well as being a breeder of White Wyandottes, Bronze turkeys and Pekin ducks. The season is late this year for hatching, so that buyers can still take advantage of getting excellent bargains from Mrs. Colvin. Barred Plymouth Rock breeders should place their orders at once with Mrs. Colvin for stock and eggs with assurance that they will be well taken care of.

One of the finest poultry catalogues that has reached this office is that of Jones, the Wyandotte man, at The Pines, Paducah, Ky. This has a fine cover in colors, is filled with splendid illustrations of The Pines Wyandotte farm and scenes on the farm, as well as pictures of their prize-winning Wyandottes. It is printed on splendid paper and the half-tone illustrations are the best that can be made. In addition to Wyandottes, they also breed and sell Scotch Collie dogs and horses. This catalogue should be in the hands of every reader of AMERICAN POULTRY JOURNAL.

The Egg-Seal Co., Dept. F., Kansas City, Mo., commences advertising this month their new method of keeping good eggs good by sealing the shells and rendering them air-tight by the new chemical solution called Egg-Seal. By using this preparation the proprietors claim that an egg can be kept fresh and full when not in the fluid and they state that by applying this preparation that eggs can be kept for a year and over.

We are in receipt of a booklet entitled "How to Dress Poultry," written by T. Vaughan Stapler, 324 Mathilda street, Pittsburg, Pa. Mr. Stapler writes from experience on this subject. The price of the booklet is 25 cents, postpaid.

THE BEST BREED FOR THE CITY LOT.

How often we hear the remark, "Confound that old dunghill hen; there she is over the fence again destroying Mrs. — garden. I wonder where she gets out; it does not seem possible that she can fly over that six foot fence!" Upon investigation it is discovered that she clears the fence without any trouble. This is very annoying and disagreeable to both owner and neighbor, and very often creates ill feelings and usually makes bitter enemies. If on the other hand a breed were selected more adapted to close confinement this would not occur.

I would therefore suggest that one of the heavy breeds would answer the purpose exceedingly well, either the Brahmas, Cochins or Langshans, whichever would take the eye of the prospective purchaser; as to laying qualities they rank about the same. The breeds in question will not attempt to fly over a fence four feet in height and bear confinement well.

With a few dollars invested for a setting or two for eggs from some good reliable breeder will enable one to get a good start, but to establish a quicker and more profitable start or foundation, I would suggest to purchase a trio or pen of the above mentioned breeds. Your hens will be laying for you, while the eggs you purchased would only be hatching, and at the same time running the risk of receiving a good hatch, for there is no breeder who will or can guarantee eggs to hatch any certain per cent. You will undoubtedly have a setting or two for sale should an opportunity present itself, thereby getting some returns on your money invested on the stock, and at the same time realizing a much better figure on the eggs than you would on the eggs laid by the dunghill hens.

It costs no more to feed a half dozen fancy fowls than it does to feed the same amount of common trash. It also creates a pleasure, and more parties should interest themselves and add to their recreation a half dozen or so, of fancy fowls, and if not interested them-

selves, give the children a chance to make a little pin money, which can readily be done, secure for them monthly journals on poultry, and give them full swing of hatching, caring and rearing of the chicks. It will keep them off the street, out of mischief and out of undesirable company, and it will guide them into better business ways of life.

It finally becomes a hobby, and when it has reached this stage, usually one's whole heart and soul is wrapped up in the breed he loves best, whichever one it may be. About this time you have looked over and studied the journals, and



WHITE LANGSHAN.

Bred and owned by A. H. Asche, Princeton, Ill.

you see that a show is going to take place in one of your neighboring towns, and the first thought you give it, is, I wonder if my stock has quality enough to win; whether you think they are or not, the fascination becomes so strong, that you pick up courage, either to go yourself or send your best specimens: should you lose you are not discouraged, as this has become your hobby, and the fever has risen to such an extent that you cannot resist or break away, but look forward for the next opportunity to show.

A war of opinions sets you thinking

after your birds have been returned home, and as you have learned all their weak points you at once discover that you are not up to snuff to win alongside of good specimens, and you commence to realize that something must be done to improve your stock.

You at once communicate with the breeder you purchased eggs or stock from in order to keep in the strain, which is of utmost importance, and realizing by this time that cheap birds will not do, you use your knowledge to best advantage, and put all your spare money in one or two first-class specimens, and when another show has disappeared your birds come home with honors, and this is the time you will not have any trouble disposing of your surplus stock and eggs. The show-room is a speedy educator, and progressiveness of today is due more to the efforts of the live breeder than any other factor, and great precaution should be taken in selecting mating and above all cull closely. It must also be understood that fowls must be kept free from vermin, and in order to secure the best conditions of laying stock, wholesome food and good clean water and houses are absolutely essential. Every poultry man should understand this perfectly. Birds should also have plenty of exercise when confined, this can be done by throwing the grain in the litter so they will have to scratch for it, and you will be astonished what progress you have made since you disposed of the dunghill hens; you have probably not only made a record for yourself, but your birds are by this time paying the larger part of your grocer and butcher bills.

The growth of the poultry business is not surprising when one considers these facts, and there is no reason why more city folks should not embark in the thoroughbreds and discard the dunghills.

JAS. E. GREENWALD.

Milwaukee, Wis.

Hog worms are costly
Pratts Vet. Worm Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

ORPINGTONS

BUFF, BLACK, WHITE. Eggs Half Price after June 1st, \$2.50 per fifteen, \$9 replaced next year free if desired. Our best colored birds each season are those hatched in June and July. C. S. BYERS, Box 42, Hazelrigg, Indiana

Something
New



Strathmann's Poultry
Yard Seeder

A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in 1 year. Its weight is 30 lbs., sows 2 rows 10 ins. apart and cultivates your ground. Will do what all poultrymen and journals say, keep your chickens scratching. Our seeder has proved itself a winner at the Chicago poultry show by having a larger attraction than any other exhibit. Simple, durable and practical; can't get out of order. Any boy or girl can operate it. Send for circular.

Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.



To Distribute
Grain and Seeds
For Scratching
Fowls.

EGGS FOR HATCHING

FROM THE NOTED ELGIN KING STRAIN OF

Single Comb White Leghorns

Winners again at the Elgin Show, December, 1904. Won 1st cockerel, scored 95; 1st pullet, 95½; 1st hen, 95; 1st pen, 190 by Chas. McClave. Cockerels, pullets and yearling hens for sale. Write for catalogue and mention A. P. J.

W. L. FERN

ELGIN KING POULTRY PLANT

Elgin, Illinois

Payne's Chick Feed

None quite so good; sold on its merits. Send for sample and book, "Poultry Pointers." It's free. ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

BUFF Thoroughbred Practical Poultry.
CUT PRICES TO CLOSE SEASON—STOCK AND EGGS.
ORPINGTONS—Single Comb. Catalog
LEGHORN—Rose Comb. Free
WYANDOTTES—IND. RUN. DUCKS.
S. A. E. GREEN CO. Morgan Park, Ill.

All My Breeding Stock

For Sale at bargain prices. This is your chance to get No. 1 birds at cost. R. I. Reds, White Wyandottes, B. P. Rocks.

M. E. WURTS 372 Pearl St., Cleveland, Ohio

MORE EGGS—Less Feed

Humphrey Bone Cutter,
Humphrey Clover Cutter,
Will double egg yield. Poultry Book sent free.
HUMPHREY, White Street Factory, JOLIET, ILL.

Use It Again.
You can remove and use any number of times without injuring the aluminum.
Convenient Leg Band.
Stamps on, large raised figures, sizes for all breeds. Prices,
12 bands 20c; 30 bands 45c; 60 bands 75c; 100 bands \$1.00.
Sample cheerfully mailed free. Ask for it.
H. O. SHAW, Box 103, GRINNELL, IA.

POULTRY PAYS
when the hens lay. Keep them laying. For hatching and brooding use the best reasonable priced Incubators and Brooders—built upon honor, sold upon guarantee.
THE ORMAS
Free Catalog BANTA MFG. CO., Ligonier, Indiana.

PATENT YOUR IDEAS
\$100,000 offered for one invention; \$8,500 for another.
Book "How to Obtain a Patent," and "What to Invent" sent free. Send rough sketch for free report as to patentability. We advertise your patent for sale at our expense.
CHANDLER & CHANDLER, Patent Attorneys
972 F Street, Washington, D. C.

EASY AND SURE PROFITS
...FROM THE...
Iowa ROUND Incubator.
Simple to operate. Cheapest in fuel. Perfect heat regulation. Largest per cent hatches. Healthier chicks. Thousands testify to the hatching qualities of these machines.
"No Gold Corners" Descriptive catalog FREE for asking.
IOWA INCUBATOR CO., 5 Locust St., Des Moines, Iowa

WILLETT'S EGG PRESERVER
keeps eggs as fresh as the day they were laid. Cheapest and best egg preserver on the market, used and endorsed by poultry raisers everywhere.
It is a perfectly **PURE WATER GLASS**, does not affect the flavor of the eggs, preserves them in perfect condition. One gallon is sufficient for 100 dozen eggs. Price, pint, 15 cents; quart, 25 cents; half gallon, 50 cents; gallon, \$1.00. Address
ROLLA A. WILLETT, Box 56, Anderson, Ind.

Buff Cochin Bantam Cockerels \$1 each.

I have a few medium light cockerels that will be disposed of at this price. Also have some choice exhibition breeding cockerels at \$2 each. If you want something good for this season order one of these at once.

JAS. W. BELL, Congress Park, Ill.

Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

AMERICAN ROSE COMB BLACK MINORCA CLUB.

The American Rose Comb Black Minorca Club. Organized September, 1902. Present officers: President, A. J. Knox, Orono, Ontario, Canada; Vice President, F. S. Gibson, Mobile, Ala.; Secretary-Treasurer, S. T. Campbell, Mansfield, Ohio. Directors—W. C. Moat, Amsterdam, N. Y.; G. A. Clark, Seymour, Ind.; Chas. Risley, Silverlane, Conn; H. P. Larson, Beresford, S. D.

A neat booklet will be mailed free for a stamp to all interested. Our club made application for the admission of our favorites to the standard, at the Cleveland meeting of the A. P. A. and were admitted at the Indianapolis meeting 1903, and the club standard as submitted by the club approved at the meeting of the A. P. A. at Rochester, N. Y., '04. We have had classes prepared for our favorites at such state fairs as New York, Indiana, Ohio, and all the principal shows and fairs in United States and Canada. Our club will soon issue a fine illustrated club catalog which unlike other specialty clubs will contain no advertising matter. We believe the advertising should be done by the poultry journals who do more for the poultry industry at large than can be accomplished in any other way. Our catalog will give the names and addresses of all the members, and set forth the advantages of this great fowl that has come so rapidly into popularity by its own merits in well-doing. No other organization has aided in this grand work. We invite all reliable breeders to join our club before the catalog is printed so all may have their names in this finely illustrated book. Send names with membership fee, \$1.00, to the secretary and be enrolled as a member.

S. T. CAMPBELL, Sec.-Treas.,
Mansfield, Ohio.

ATLANTIC CITY.

The great and only Trenton Fair's dates this year are September 25 to 29.

As usual, the poultry department is under the guiding hand of W. S. Gladney, Jr. This means that the same liberal policy will be pursued as heretofore, and that fanciers are to be treated in the finest possible manner.

The regular premiums will be large and Trenton's reputation for a large list of specials will be surpassed this year in many ways.

Plans are under way to add several new features to the department that will be a delight to the fanciers in general. The staff of judges, as usual, will be large and composed of our leading men in their respective varieties. Premium list will be issued August 1st. Don't fail to send for one.

For exhibition space and space in premium list, address W. S. Gladney, Jr., Sec'y, Atlantic City, N. J.

WISCONSIN STATE POULTRY SHOW.

The Wisconsin State Poultry Association has settled upon January 15 to 20, 1906, as dates for their ninth annual show. Mr. Charles McClave has been engaged as judge. Everything points to the most successful show in the history of the association. An attempt, which will in all probability be successful, is being made to have the annual state appropriation increased. This will enable the association to be more liberal than ever in cash prizes and other features of interest to all exhibitors.

The Wisconsin State show, incorporated and receiving the only appropriation given any show in the state, is, of course, Wisconsin's leading exhibition. Winners from all the minor shows gather here to fight out the battle for supremacy in the state. Coming as it does during the third week in January, most of the other shows have been held before it. The dates do not conflict with Chicago, the leading show of the west. In fact, birds can be sent directly from the show at Oshkosh to the Chicago show the week following.

Announcements concerning prizes, cups, entries, etc., will be made as soon as arrangements are completed.

FRANK W. RADFORD, Secy.
Oshkosh, Wis.

CHARLESTON, S. C.

The Charleston Poultry Association, a chartered organization with a capital stock of \$2,000, began life on the 15th day of April, 1905. The following officers were elected: President, J. M. Connelley; First Vice President, Dr. Benj. McInnes; Second Vice President, J. T. Snelson; Treasurer, W. K. McDowell; Secretary, T. J. McCarty; Assistant Secretary, F. M. Pettit.

This organization is the result of the successful show held in Charleston, S. C., during November of last year. The aim of the stockholders is to make it the banner show of the South. The first Wednesday in December has been selected as a permanent date on which to hold annual exhibitions.

W. L. W. J. M. 123456 123456 123456 5
J. McCARTY, Sec'y.

EAST GREENVILLE, PA.

The Perkiomen Valley Poultry Association was recently organized at East Greenville, Pa., and announce that they will hold their first annual show December 27-30, 1905. W. Theo. Wittman will do the judging. C. A. Mack, Sec., East Greenville, Pa.

No doubt about Pratts Animal Regulator.

Made by Pratt Food Co., Phila. Over 30 years old.

KNOXVILLE, TENN.

The East Tennessee Poultry Association was recently organized at Knoxville, Tenn., with a membership of thirty-five enthusiastic fanciers. They have decided to hold their first show in Knoxville, January 17-19, 1906.

ROBERT PORTER, Sec., Knoxville, Tenn.

NOTICE.

To breeders of R. C. B. Leghorns or any one interested. Our annual club catalogue, constitution, by-laws, rules and regulations and other useful information free by writing.

Waukau, Wis. FRED ALGER.

JOHNSTOWN, N. Y.

At a meeting of the Fulton County Poultry and Pet Stock Club held at the Hotel Kolaneka, Johnstown, N. Y., Monday evening, May 8th, several reports of committees were submitted which were very gratifying. The committee to solicit special prizes has been particularly successful and there is every indication that the club will have one of the finest lists of specials ever offered. The members of the club have offered \$100 in gold and several silver cups together with many articles given by merchants and glove manufacturers and the work is only started; the list will easily reach \$400 to \$500. The prospects for one of the greatest shows of the season are very bright. The secretary is Jacob H. Blunck, Johnstown, N. Y.

PARSONS, KANS.

The tenth annual poultry show of the Southeastern Kansas Poultry Association will be held in Parsons, Kans., Dec. 18-22, 1905. The awards will be placed by Judges C. A. Emry, of Carthage, Mo., and Adam Thompson, of Amity, Mo. The managers are working to make the Parsons show the largest that will occur in the southwest this fall. For full particulars address, A. E. Blaker, secretary, Parsons, Kansas.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—For the benefit of the White Langshans I have consented to act as Sec'y for the new club until we organize and elect some one. We shall organize at Portland during the poultry exhibit in connection with the fair; we want every breeder of this grand fowl

to lend us their assistance by sending in their membership fee, which is \$1.00; also if they wish to make any donation to be added to the regular premiums. For a starter at this show we want to have a fair display of them which can be accomplished by a united effort. The breed deserves a great deal more popularity than they are enjoying at present. Other varieties have clubs for the different colors, why should not the Langshans have one for the Blacks and one for the Whites. Both colors will be benefited by it. To have both colors compete against each other at some prominent show for a grand prize is an injustice to either one or the other color, which may some time cause ill feeling. Let us try to avoid this and have perfect harmony among breeders of either or both colors by organizing a club for the White Langshans, and by so doing place them in the rank where they properly belong, their good qualities will keep them there, but it will take some effort to place them there. This we propose to do with this club and when we have accomplished this no one will regret the efforts they may have put forth in this direction. With a strong club we will be in a position to dictate to some prominent show where we may decide to bring out a first-class exhibit at our annual meeting place to have our favorites judged by one who knows what a Langshan is and should be so that the best birds will win the prizes they deserve and no exhibitor will be disappointed, not even the defeated ones, if they know it was merits which defeated them. Fanciers are all of a broad mind and will take their defeat in the show room in a sportsmanlike manner when the above is the case.

Princeton, Ill. A. H. ASCHE.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—The officers of the Southwestern Wisconsin Poultry Association take pleasure in announcing their eighth annual exhibition at Delavan, Wis., June 15-20, 1906. The association in the past has so managed their show that it has year by year brought out an increased number of exhibitors from Wisconsin and northern Illinois. The officers were convinced the last season that the show had outgrown the capacity of one judge. Hence for their coming exhibition they have engaged two of the best judges in the circuit—Jas. A. Tucker, Concord, Mich., and Thos. F. Rigg, Iowa Falls,

Iowa. With this judging talent, a light airy show room, uniform exhibition coops free to exhibitors, the show at Delavan next January promises to eclipse all previous effort and enable the association to give as heretofore, Wisconsin's Best Poultry Show. For full information address the secretary.

W. E. PEPPER.
Delavan, Wis.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Lack of local interest has made it necessary that the W. N. Y. Fanciers' Association give up the summer show which had been planned for June 20-24. Will you kindly announce the fact. Yours sincerely,

J. W. MORRIS, Sec.

Jamestown, N. Y.

Secretaries of poultry associations are requested to send us the dates of their coming shows, as soon as same have been decided upon; also names of judges and other information that would be of interest to the readers of the AMERICAN POULTRY JOURNAL.

FROM THE LARGEST WHITE ROCK PLANT IN THE WORLD.

It is due the readers of this paper to present the following letter from the May R. Poultry Plant, Connersville, Ind., so that they can see what Mr. D. T. Roots, the proprietor of this great White Rock plant, says about Chamberlain's Perfect Chick Food. The evidence of this incomparable breeder of fine stock in support of claims for the excellence of this feed is of great value to poultry breeders everywhere:

CONNEVILLE, IND., Feb. 10, 1905.

Mr. W. F. Chamberlain, St. Louis, Mo.

Dear Sir: Please ship me by freight at once 500 pounds of your Perfect Chick Feed. As you know, I am still using it with the best of success and am strongly recommending it to my friends everywhere. Very respectfully,

D. T. Roots.

A lot of people who have bought Paroid roofing through the advertising in this paper are inquiring about its needing paint. "It don't look as though it would ever need painting," they write. We suggest to these people that after a year or two it would be well to paint their roofs with Parine paint, manufactured by F. W. Bird & Son, of East Walpole, Mass. It lasts longer and don't cost as much as oil paint.

W. W. Kulp of Pottstown, Pa., is making a special reduction in price of eggs and it will be well for breeders to write to him, as almost everyone knows who reads AMERICAN POULTRY JOURNAL that he breeds Rose Comb and Single Comb Brown Leghorns, Rose and S. C. White Leghorns, White Wyandottes, Barred and Buff Rocks, Pekin Ducks and Light Brahmas.

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, standard qualities have not been neglected. They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Stock for sale. Eggs for Hatching \$2.00 per 15, \$3.75 per 30, \$5.00 per 45, \$10.00 per 100. From winners pen \$3.00 per 15, \$5.00 per 30. Illustrated circular free

No Better Anywhere
At Any Price.

Winners at Madison Square Garden, N. Y., 1903-1904-1905

H. J. BLANCHARD

Box 997, Groton, N. Y.



CHAMBERLAIN'S PERFECT

Chick Feed, Hen Feed, Mash Egg Feed, Evergreen Clover Meal, and Pigeon Feed.

The Standard Poultry Supplies of the World. The Only Original Dry Chick Feed. Endorsed by All Leading Poultry Breeders. Used exclusively at the World's Fair for 7 months. Sold Everywhere. Please write for prices and name of nearest Agent. W. F. CHAMBERLAIN, (The Perfect Chick Feed Man.) ST. LOUIS, MO.



Sick Headache

When your head aches, there is a storm in the nervous system, centering in the brain.

This irritation produces pain in the head, and the turbulent nerve current sent to the stomach causes nausea, vomiting.

This is sick headache, and is dangerous, as frequent and prolonged attacks weaken the brain, resulting in loss of memory, inflammation, epilepsy, fits, dizziness, etc.

Allay this stormy, irritated, aching condition by taking Dr. Miles' Anti-Pain Pills.

They stop the pain by soothing, strengthening and relieving the tension upon the nerves—not by paralyzing them, as do most headache remedies.

Dr. Miles' Anti-Pain Pills do not contain opium, morphine, chloral, cocaine or similar drugs.

"Sick headache is hereditary in my family. My father suffered a great deal, and for many years I have had spells that were so severe that I was unable to attend to my business affairs for a day or so at a time. During a very severe attack of headache, I took Dr. Miles' Anti-Pain Pills and they relieved me almost immediately. Since then I take them when I feel the spell coming on and it stops it at once."

JOHN J. McERLAIN,

Pres. S. B. Eng. Co., South Bend, Ind.

Dr. Miles' Anti-Pain Pills are sold by your druggist, who will guarantee that the first package will benefit. If it fails he will return your money. 25 doses, 25 cents. Never sold in bulk. Miles Medical Co., Elkhart, Ind.

Pick the Pullets Kill the Drones

It is easy to tell which pullets will lay earliest and longest and which should be sold for market by the Walter Hogan System of Selecting the Layers and Breeders. But that's not all. You can pick the cockerels that will breed the best layers, and think what that means. With this system you can produce a flock that will be almost perfection itself. And the beauty of it all is that any one with ordinary intelligence can accomplish this with the simple, plain, complete instructions given with this system. It is not a difficult, dry scientific study, but just the knowledge of a few simple, important things about the laying and breeding features of fowls that anybody can master. Then we allow 60 days to test our plan, and if you can't learn it back goes your money. Price and full particulars free.

THE WALTER HOGAN COMPANY

17 National Bank Building Fergus Falls, Minn.

Barred P. Rock Eggs

As I am done incubating for the season I will sell B. P. Rock eggs at \$1 per 15, or \$5 per 100, Bradley Strain, White Wyandotte eggs, Hawkins, Duston Strain, same price. Turkey (Bronze) eggs \$3.50 per dozen. Pekin Duck eggs \$1.25 per dozen. B. P. Rock stock for sale also.

MRS. A. J. COLVIN,

R. R. 1, Pearl, Illinois.

THE HISTORY OF A YEAR.

I want to tell you of our experience in the poultry business. My husband has always thought such work was only for women and lazy men, but as we have an ideal place for a poultry farm, I have always wanted to try that business.

Let me tell you how I got my husband interested in the matter. Being a great reader, he always has a large number of papers and books. Well, one day I gathered them all up and laid them away and put in their place THE AMERICAN POULTRY JOURNAL and all the other magazines and books I could find on the subject; sent for all the catalogs, etc., that I saw advertised. They came in thick and fast until I had the centre table full of them.

All this time I kept very quiet. My husband would sit down, take up a paper, read it through, and then another one, until he was so full of the subject that he could not keep still, for he is a very energetic man and usually successful in whatever he undertakes. I knew it would not last long for he was deep in thought. Well, the end came at last.

band was determined to try some fine blooded stock. He said our chickens were only scrubs and he wanted to raise a standard bred fowl that he could place on exhibition. Now, this was an entirely new idea to me. He said our chickens would only win a prize for a "scare crow." I told him our chicks were good enough for us; they were Plymouth Rocks, a high scoring bird, and the poorest one in the lot had a record of 106 eggs and the eggs are large; and what we want is meat and eggs, not points. So he finally said we would start with just what we had. We had one hundred fine layers and we immediately began to save the eggs.

So when the incubator arrived (without the brooder, alas!) we had enough eggs to start it going and a great fuss we made over starting it. First my husband would light a match and then blow it out. He said I must start it as I had thought of the business first; but I said, "No, don't you remember it was your idea?" and he said, "Oh, yes, that is true, so I will start it," and as he lighted the lamp, he said, "May the good Lord bless us."

Attend To Your Renewal.

Many thousand subscriptions to the AMERICAN POULTRY JOURNAL expire this month, and we would ask as a favor that the matter be attended to at the very earliest date possible. Sometimes our subscribers wait to be personally notified by mail of the date of expiration. With such heavy work as falls upon our subscription department at this time of the year, it is impossible for us to write each one, so we would thank our patrons to attend to their renewals promptly without wait. ing for any special notification.

Subscription offers will be seen on various pages of the Journal. Send in two subscriptions at 50c each and we give your own FREE.

We cut off at date of expiration. The date on the wrapper of your paper will show to what time you are paid. "Mar. 05," for instance, means that you are paid to March, 1905.

As the policy of the AMERICAN POULTRY JOURNAL is to have all subscriptions payable in advance, we would be pleased to hear from each one in good time, so that there may be no disappointment caused by being dropped from our list. Send your subscription AT ONCE.

American Poultry Journal Pub. Co.

325 Dearborn St., Chicago, Ill.

He had been reading about the great Mary L. Broiler and Egg Plant at Sidney, Ohio, and the immense sum realized from its sales last year. Now that capped the climax.

He laid down the paper and said, "That is wonderful." "What is?" I asked, and he said, "This Poultry Farm of Mary's. Do you want an incubator?" and I said yes. "Nell," he said, "We must have 25 of them. I will send for one tomorrow." You see, that is the way with my husband; you have to fill him full of a subject and then wait for him to burst. Now he was full of the poultry subject and I could not hold him back. In the morning he sent for an incubator and a brooder. We did not know which would be better; the hot water or hot air, but finally concluded to try the hot water one.

Now came the tug-of-war. My hus-

All this time, the brooder we had ordered with the incubator failed to arrive. About a week after we set the eggs, my husband had become so enthusiastic that he ordered another brooder and machine, this time a hot air one. Time was flying, chicks were coming on, and what were we to do with them? We had a carpenter make us a brooder house and in three weeks' time it was done with a nice, warm stove in it. The house is 54 feet long, 18 feet wide and contains 24 windows. We have 2,000 square feet of floor space.

Everything was now in good shape at the brooder house, but no brooder had arrived. Imagine our feelings on get-

Big profit—rapid growth
Use Pratts Calf Tonic.

Made by Pratt Food Co., Phila. Over 30 years old.

but what were we to do with all these little chickens with no brooder and zero weather? Oh, how we did worry about them! I thought since God had been so kind up on the twenty-first day to find the machine full of little chickens. We had never seen an incubator before and were much excited over it. The machine holds 260 eggs and it was a fine hatch good to let us bring so many little lives into the world he would surely hold us responsible for them. I can't tell you how sad we felt. Our whole souls went out in love for those dear little things for we did want to do our best by them, but the more we worried, the faster the chicks came out of their shells. Was there ever anyone in our state of mind? The neighbors came in until the room was full for hardly one had ever seen an incubator hatching and they were all sympathizing with us in our great trouble; when a loud rap was heard at the door and when I opened it, what do you think? there stood the freight man and in a loud voice, he said, "Here is your other incubator and brooder; where shall I put them?"

Oh, I never was so glad of anything in my life. We all clapped our hands for joy and my husband heard the noise out in the barn and thinking the house was on fire, he sent the hired man to turn in an alarm and he hurried into the house with two buckets of water. When he saw the brooder, he shouted, "Glory! This is what I call turning sorrow into joy." They carried the brooder into the brooder house and by night it was warm, with nice sand and clover chaff sprinkled over the floor. The little chicks slept there that night for they were so crowded in the machine. There were 223 chicks out of 260 eggs.

We set the other machine and soon were head over heels in the business; and I want to tell you, our old "scare crows" of chickens got right down to work. We did it all so quietly and quickly, that the good people of R— were not aware of it until we had a brooder house full of chicks. Our other brooder turned up in the course of time having gone astray in shipment. We started in February and by May, we had over 700 little chicks. We have 30 acres of land around our home and we expect to fill it with poultry. It is just a nice walk from the public square, and as soon as it got noised around that we had gone into the poultry business, the people came pouring down on us and were much surprised at our good success. Doctors, Lawyers, the Mayor, the County Judge and many other citizens of high repute, came to see the sight.

Now this history would not be complete without an account of another one of our vicissitudes, which we trust will be the last. My husband had been reading so much about the Bone-Cutter that he thought he must have one. He looked at the pictures of a lady turning one with one hand and it appeared to be such easy work, he thought he could grind a peck of green bones each morning while I was getting breakfast. He said it would be just enough pleasant exercise to give him a good appetite (a thing he has never lacked, by the way, being an Englishman).

Well, the Bone-Cutter came all right. He was very anxious to try it and got everything in readiness at night for an

early start next morning. He had secured a half a bushel of bones and could hardly sleep that night. It doesn't disturb his sleep now.

Morning came at last and he was up at four o'clock and rushed down stairs where I soon followed him.

It was a beautiful morning; just that hour that we call the meeting of night and day; the moon still shining and the sun just on the rise. It is a sight well worth seeing.

He was so happy I thought I would leave him long enough to get breakfast and then go to see the new Bone-Cutter work. I had just got the meal ready when in he came and exclaimed, "Oh, ye immortal gods! Could the satanic ingenuity of one man invent such a diabolical back breaker? Why, it is not a 'Bone-Cutter' but a 'Bone Breaker!'"

He is now buying beef scraps and laying food and he does not feel friendly towards the Bone-Cutter. He says they are for lazy men and women.

We found a ready market for all the young chicks we can raise at a splendid price and are greatly pleased with the work. We now have four incubators and twelve brooders and our business is just one year old.

ELLEN M. CRASKE.

Rushville, Illinois.

HOW POULTRY PAYS.

A good hen is a good hen the world over, be she what breed she may.

A good hen is money in a man's pocket, and a poor one is money out of pocket.

Some farmers say it don't pay to keep hens, but it does. They say the hens won't lay in winter and when they do lay the egg will freeze. Well when they don't know more than that, it don't pay. Some have a lot of hens; all breeds, all sizes, and naturally they get all sizes eggs, which won't bring the top price, nor a long way from it. They let about as many cockerels as hens winter in the same place with the hens. This a poultryman always avoids, and every man who has hens should avoid it.

To make poultry pay you must have a breed of them, "not a lot of mixed up scrubs." When you have a breed, "be it to your liking" keep them up. "don't let them run down." Then you

want a good house for them. Have this house in three parts if possible—the center for roost coop. Plaster the wall is a good plan, as it is not to the liking of lice. It is smooth, clean, makes the house look nice—a home-like to the hen. "from whom we expect the money." As a good plan of ventilation as I know of for cheapness is to have the ceiling, "not the roof," made of narrow boards with openings between. Have straw on this, "not too much," just enough so to keep the cold out and not so the air can not go through. Then in the roof or in the wall above this floor have a door which must be open except in bad weather, then it would be a good plan to have a door in either end, so as to have fresh air from one end if the wind bothered the other. This affords fresh air through the straw and does not let in cold to any great extent, at any rate if the air is cold it is not so when it reaches the hens. When you have a good house and the hens to put in the house, then you must think of the feed, quantity, quality, and rotation of feed, grain in the bundle is an excellent thing for exercise.

Some lose chickens in various ways by mink, rats, skunk, hawk, crow, weasel, etc. The mink does not bother much here. I have a number of good cats. They look after the rats. The hawk does not dare come to my yard, as there is a large grove around the place and my dogs run and bark every time they see one. Weasel and skunk are my enemies but the dogs help hunt them when one comes around, in this way I am not bothered by losing chickens, as so many complain about—there goes my profit.

ARTHUR PETTERSON.

Hankinson, No. Dak.

Oxley Bros. of Fremont, Ohio, now have twelve of the best pens of Cochins Bantams they ever owned, and feel sure they can please their customers with stock hatched from these pens. Oxley Bros. have made some famous winnings on their Bantams, and have stock and eggs for sale in season.

Poultry Pointers

Tells how to feed chicks and all fowls, also use of beef scraps, bone, etc. Its free. Write for it.

Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.

No more sick cows

Pratts Cow Tonic.

Made by Pratt Food Co., Phila. Over 30 years old.

SOME RARE BARGAINS

As we need the room for the thousands of young Wyandottes growing up I will offer at **Bargain Prices** for quick sales some FIVE HUNDRED line-bred selected breeders, high-class exhibition birds and choice utility fowls. To make sure you get the best blood obtainable place your order with

JONES, THE WYANDOTTE MAN

SILVER, GOLDEN and WHITE WYANDOTTES, G. S. and S. S. BANTAMS, winners at all the leading shows of the world, including the bulk of the ribbons at the last Chicago Show. All the birds offered in this sale are blue-bred stock and from our breeding pens. Send for my 36-page catalogue and Bargain list, a book worthy a place in any library; handsomely illustrated in colors, mailed on receipt of 4 cents in stamps for mailing.

EGGS FOR HATCHING \$3 per 13, \$5 per 26

Six grand litters of Scotch Collie Puppies, fashionably bred, for sale at reasonable prices, quality considered.

R. E. JONES, "The Pines,"

R. F. D. 5, Paducah, Ky.

BUFF ORPINGTONS

Owing to business changes we shall sell at a great sacrifice, one of the best flocks of Buff Orpingtons in this country. They have never been beaten in the show room. At the large Cleveland show our Buffs won five 1sts and three 2ds in hot competition. None will be reserved. Satisfaction guaranteed on every sale. Correspondence solicited.

C. F. BLACKMON & SON

Painesville, Ohio

Over 30 years, 30 years old
Pratts Food for stock.

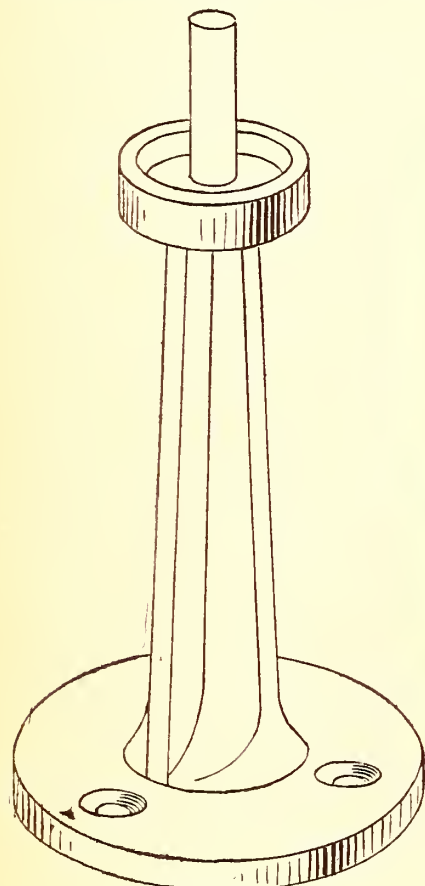
A LOUSE-PROOF PERCH.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Believing that you are interested in the best there is in your line I take the liberty of sending you a photo, showing the inside finish of a hen house I planned and built last spring. The principal feature of which is the louse proof perch. This perch is 2x2 spruce, corners taken off, and resting on iron standards. This photo shows three pens 12x10 with no partitions for vermin to secrete themselves in. A fine wire mesh keeps fowls from picking each other at

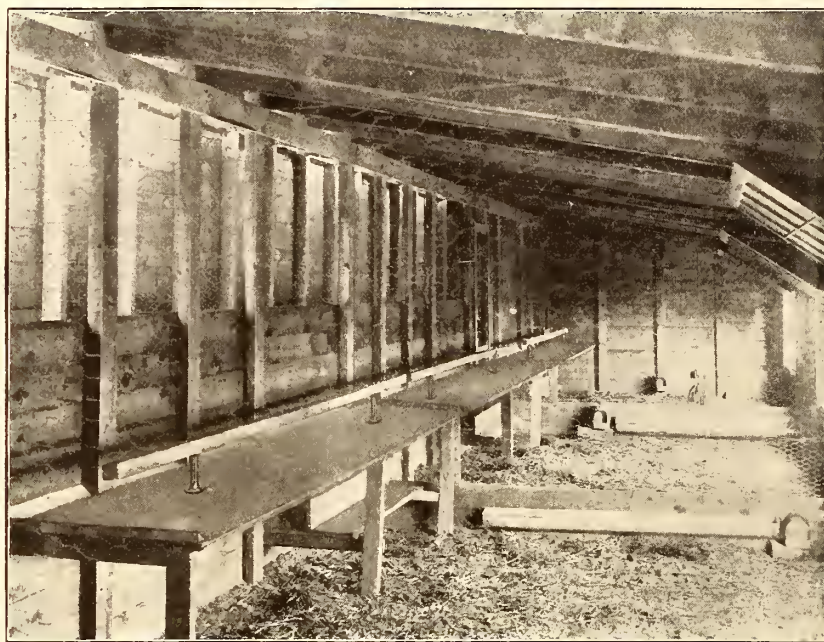
tom and a ¼-inch wire goes the length of the back, comes out one inch beyond trough, each end, and turns down. Drive a couple of staples in board, hook this on and after feeding unhook and hang up out of the way. Can be washed easy and is always neat and clean. This house is light and airy and the fowls kept here seem to enjoy themselves and are not troubled with vermin. Writers in AMERICAN POULTRY JOURNAL and other papers have said perches must not rest against the house, but do not tell how to avoid it, but this shows you how it can be done. How many houses you go into and see the perches sag in the center and when the fowls are on them they are worse, but not so here. Many poultrymen seem to have the idea that a hen is much like a hog, but give them

It is wild extravagance to give them the same food as other fowls. Their habits and their insides call for totally different treatment. They require very little exercise; simply fill up, sleep, digest and fill up again. With ducks it is *bulk* that counts; not quality of food so much as quantity. They are not comfortable or happy with a handful of hard grain rattling around in their big insides; but given the weight of that grain in a mash of brown shorts, wheat bran, corn meal and cut clover or other vegetable, they wink their eyes at you and subside in blissful content. A duck will "fill up" and thrive on from a half to a pint of the above mixture, twice a day—morning and night. The proportions are two parts each of the b. s. and w. b.; one part e. m. and to this, in bulk, add one fourth of veg-



IRON STANDARD.

the ends of the perches. There are several good features to this stand and one is the oil cup directly under the perch. The perches rest on a ½-inch pin which runs up through the center of the oil cup. The whole standard is cast iron 3½-inch base, 6 inches to oil cup from base. Oil cup 1⅞ inches for 2-inch perch to rest on. Three screw holes to fasten it to dropping board. The hole can be bored through the perch and let it rest on the cup or only bore in just far enough to keep the perch above the cup, as one may choose. These can be set anywhere and by placing them as in the photo there is no sagging in the center. In the above house, holes go clear through and perches can be turned over every day if desired. A child can remove these and the poultry man would find this a great convenience in cleaning the dropping boards. These are neat and surely vermin-proof. I do not believe any one can show anything better. The feed troughs are different from anything I have ever seen anywhere, being galvanized iron 5 feet long, 4½ inches across the top, 3¾ inches deep; rounding bot-



Interior View of Poultry House, Showing the Louse-proof Perch in use.

light, pleasant quarters and with, of course, the proper feed and there would not be so much complaint about the egg yield. Pure air is just as necessary for animals as men.

Give the hen a chance.

H. L. COOLIDGE.

Worcester, Mass.

PEKIN DUCKS.

There is an impression afloat, especially among farmers, that Pekin Ducks are very delicate birds, difficult to raise, expensive to keep, and—in a sentence—unprofitable stock to handle.

That this is true, under certain given conditions, is an undisputed fact; but, under certain other conditions, the verdict against them is false.

Ducks have an individuality all their own, which must be recognized and catered to, where they are successfully reared. They will not prove a lucrative investment if kept in damp, dirty, ill-ventilated quarters; or if over-crowded or improperly fed; or if left unprotected and exposed during cold storms.

On the other hand, they will withstand almost any amount of cold, if at night they have a tight roof over them, plenty fresh air and dry, clean bedding under them.

etable. Sand or coal ashes should be kept by them and plenty of water. During breeding time meat feed of some kind should be provided, if they are yarded and cannot provide for themselves. Surely this is not a very heavy bill of expense suggested!

Where there is a brook or pond on the farm, a flock of ducks are practically of no expense to the farmer during the summer and can be raised and marketed in the fall at a very good profit. Or—if he prefers forcing them when summer boarders are in evidence—he can drive into a little yard those three to four months old, and in ten to fourteen days have them fat and tender and ready for the table. During this time he feeds four times a day, and lessens his b. s. and w. b. and increases the e. m. to one third, instead of the previous feed of one fifth.

Especially during fattening time, when yarded, they must be kept quiet and not frightened. They are gentle, timid creatures and seem to especially feel their helplessness to defend themselves, when confined in small yards.

Galled horses—best, cheapest
Pratts Vet. Healing Ointment.

Made by Pratt Food Co., Phila. Over 30 years old.

From a business standpoint, as regards ducks versus chickens, for profit—on a small farm of say two to five acres—given the market, I think ducks will lead. And this for two reasons:

First, one thousand ducks at three to four months old, means 4,000 to 5,500 pounds of meat and some 200 pounds of valuable feathers and down; while—at the same age—it would require nearly three thousand chickens to realize the same weight.

Second, this number of chickens would call for an outlay in buildings, yards and so on, greatly in excess of what the ducks would need. (My capacity for two thousand Pekins occupies in houses, yards, etc., only about a quarter of an acre.)

Again—ducks are much more bidable than chickens; easier handled and cared for. They only require artificial heat for some four weeks; while chickens need it for over double that time.

But—where the farm is sizable, and chickens are raised for eggs and roosters as well as broilers,—probably "Ducks for profit" would have to take a back seat; as it is the four months forcing business wherein lie the chief returns in duck raising.

FRANCES ELLEN WHEELER.

Chazy, N. Y.

In a very interesting letter from G. W. Brown, Camden, Ark., proprietor of the Ouachita Valley Poultry Farm, we take the following:

"We are having the hardest season

**Prevents and cures disease
Pratts Poultry Food.**

Made by Pratt Food Co., Phila. Over 30 years old.

for raising poultry I have ever known. It has been continually raining for the last two months, and at times we have had regular floods destroying everything, still many of us are hard to down. Regardless of all this, however, I have as fine a lot of young birds as I have ever raised, and they are all the most promising, as they are from the very cream of my choicest line bred prize birds, and I am expecting many fine show birds from them. I have had a magnificent business this season. The demand for both stock and eggs has, as usual, been far greater than I could supply; in fact, many may doubt this, but I can honestly declare and prove it. I have not for at least ten years back half supplied the demand I have had, and each year I have enlarged my plant. I have one of the oldest and largest plants in the South, and by the high quality of my stock, and the honest, fair and square way of doing business the demand is so large I cannot begin to meet it. I have shipped out thousands of eggs this season and hundreds of fowls and can truthfully say, up to date, that I have had but five complaints, which I gladly satisfied. This is a record hard to beat, considering the large amount of business that I am doing. Yet from my own experience I have found that it pays to please all customers, and although while I find many, who seemingly can not be pleased and often take advantage, yet I do my best to never give one up until perfectly satisfied. I sold this last season eighteen exhibition Rock Cockerels at from \$15.00 to \$35.00 for exhibition, and all from my noted line bred strain of Rocks; all sired by my noted prize Rock male, for which I refused \$100.00. Up to date I

have heard that twelve out of fourteen of them won first or second prize in the best competition, which shows the high quality and true breeding of my stock. I am closing out a few of my choice breeding stock, and wish to say to those just starting in the poultry business, or those wanting any fresh blood, that this is a rare chance to get the best and start right, and I would be glad to hear from them."

R. E. Jones, The Pines, Paducah, Ky., is offering some bargains in this season's breeders that will be of great value to those that are anticipating purchasing high class breeding stock in Silver, Golden and White Wyandottes, and we are satisfied that any one in need of line bred birds will get more than their money's worth in this sale. Jones, The Wyandotte Mau, with his "strongest blood lines on earth," has made a national reputation at all the leading shows of the country and has bred the winners at many of the largest shows, including the bulk of the ribbons at the last Chicago show. Send for his handsome catalogue and bargain sale list, mailed on receipt of 4 cents in stamps, this is a book that should be in the hands of every Wyandotte breeder or intended purchaser as it is a book of reference, handsomely illustrated in colors, look up his ad in this issue.

PAYNE'S ALFALMO POULTRY FEED

The best that money can buy. Send for sample and book, "Poultry Pointers," free. Write, ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

Big Profit in Squab Breeding

Our Imperial Antwerp Homers, imported, carefully mated, breed large, juicy squabs, and are great money makers. Send stamp for interesting booklet. Write today. Squab Company, Morton Park, Ill.

BARGAIN SALE OF BREEDERS

We are now offering for sale a large number of our this season's breeders at bargain prices.

A Snap in Barred Rocks 1 Pen 4 Hens and one Cock, \$6.00

A Great Snap in White Rocks

Two pens, four hens and one cock in each pen, at \$8.00 per pen. These are all choice birds and worth three times this price.

The Greatest Snap in White Wyandottes

Five pens of these, four hens and one cock in each pen, and they go for only \$6.00 per pen.

**Send Your Order Today
Tomorrow may be too Late**

We are still filling orders for eggs at \$2.00 per 15, \$3.00 per 30, from White and Barred Rocks, White Wyandottes and Single Comb White Leghorns.

Send 4 cents in stamps and get our book, "Poultry Culture for Pleasure and Profit," on ten days' trial. If you don't think it is worth the price, 50 cents, send it back. Address

CONGRESS PARK POULTRY YARDS

Box A, Congress Park, Ill.

A NEW POULTRY BOOK.

Especially Written and Designed for the
Beginners—Sent on Approval.

The book treats at length on the great profits in poultry culture, citing many cases where splendid incomes have been made from this fascinating business. It is a well established fact that there is big money in poultry culture. There are thousands of men and women who are earning princely incomes from it, while there are many more thousands who are making a snug little income every year conducting it as a side issue. To make from \$100 to \$1,000 clear profit every year, just in the spare moments, is no small matter with most people. And yet there are thousands who are doing this very thing raising poultry, and this same thing can easily be accomplished by anybody who will conduct it in an intelligent manner. It is just for this latter class that this book has been designed and by following its simple instructions success will be sure and the profits large.

SENT ON APPROVAL.

We want every beginner to read his book and we are willing to send it free on ten days' approval to every man, woman or boy interested who will take the trouble to write to us for it. In order to assist our readers to get this book on approval we print the following coupon, and advise our novice friends to fill it out, cut off, and send it today: Congress Park Poultry Yards, Congress Park, Ill.

Enclosed find 4c in stamps for which please send me on approval, your new book, "Successful Poultry Culture for Pleasure and Profit." If I want the book I agree to send you 50c for it. If I don't want it, I agree to return it to you within 10 days.

Name
Town
State

Many valuable horses saved
Pratts Veterinary Colic Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

We have received a copy of a new publication entitled "The Chick Book," devoted exclusively to success with chickens, published by the Reliable Poultry Journal Publishing Company of Quincy, Ill. This title is very comprehensive and fully explains the subject of the book and should be in the hands of every one raising poultry. "The Chick Book" contains 80 pages, 9x12 inches in size, and finely illustrated; price 50 cents, and with one year's subscription to AMERICAN POULTRY JOURNAL can be secured for 80 cents.

The Standard Flower City Incubator Company, Dept. C, Rochester, N. Y., have a change of ad this month. This firm sends their machines on thirty days' trial. Look up their ad and send for their large catalogue and poultry guide.

A. H. Asche, Princeton, Ind., has bred Langshans since 1885. They have won for him and his customers at all the leading shows, including three world's fairs. If you are interested look up their ad and write them for prices. They also manufacture the unequalled stock remedies under the name of A. H. Asche & Sons. They guarantee them to be as represented or refund your money.

Ackley & Page, the Buff Wyandotte breeders of Woodstock, Ill., announce in this issue a half-price reduction in the price of their Buff Wyandotte eggs after June 1st. They also offer stock from their breeding yards for sale. This is a great opportunity for Buff Wyandotte breeders to get high-class birds for a small price, as well as to get most excellent bargains in eggs.

Dr. Frank M. Chapman, of the Museum of Natural History, New York, has written for *The Century* an article on his experiences in photographing a colony of pelicans. Dr. Chapman's first account of his unique feat in photographing flamingoes appeared in the December number of *The Century*.

Poultry, formerly published at Freeport, Ill., has moved to Peotone, Ill., where the publishers are erecting a building in which they will install their own printing plant.

Alfalmo Poultry Feed

A complete balanced ration, alfalfa meal, grains, meat products, etc. Sample free. Write.
ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.



PONDEROUS PEKINS. SELECTED breeders by the hundred. Eggs by the thousand. Headquarters for Pekins in the West.

Golden West Duck Ranch
6-05-1 yr. Joliet, Ill.

We Will Sell Eggs

at \$1.50 per 15, or \$8 per 100. Also fine stock of Light Brahmas, Langshans, Buff Cochins, Partridge Cochins Single and Rose Comb R. I. Reds, S. C. Brown, Buff and White Leghorns, Minorcas, S. S. Hamburgs, B. B. Red Games, Pekin Ducks. 583 regular prizes bear witness of quality.

B. S. BECKINGTON, Box B, Garden Prairie, Ill.

INDIAN GAMES

Winners at Peoria, Burlington and Mousmouth. True Indian Game shape and properly colored. Eggs from pen No. 1, \$3 straight; other pens, \$2 per 13; \$3.50 per 26; \$5 per 40.

Geo. Woelber, Monmouth, Ill.



"Lightning" White-Wash Sprayer No. 28

White-wash your Poultry-houses and stables. Kills lice and vermin. Easy to operate. Sprays white-wash rapidly. Impossible to clog. Also for spraying trees, washing wagons, etc. Double action pump: will spray 30 feet high; has 3 1/2 feet heavy hose, extension rod, brass nozzles, steel stirrup, ball valves. All brass pump \$3.50; galvanized iron \$2.50. Cash with order; express prepaid. Agents wanted.

D. B. SMITH & CO. Utica, N. Y.

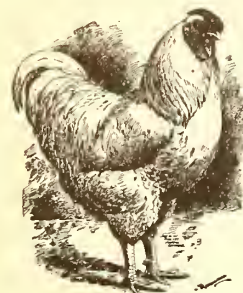
THE REAL THING

McClave's matchless prize winning White, Golden and Silver Wyandottes, Barred and White Rocks, White and Brown Leghorns, Black Hamburgs, Light Brahmas, Langshans, R. C. B. Bantams, big Bronze Turkeys, White and Narragansett Turkeys, all standard varieties of Geese and Ducks, and Scotch Collie Shepherd Dogs. More first prizes on our birds at Pan-American, Pittsburg, Chicago, Columbus, Cambridge and Akron than any other exhibitor. Prices reasonable. Best quality. Write

CHAS. MCCLAVE - Box 746, New London, Ohio

THE GREAT CENTRAL POULTRY FARM

The Home of Prize Winners.



Our stock took over 1,628 prizes at eight County and State Fairs held last fall. We can furnish customers with eggs from the very highest scoring pens. There is no better stock than ours in this country. As breeders we fully understand our business. We ship nothing but standard birds. We guarantee both stock and eggs to reach our customers at the nearest express office in good condition. If any fowl fails to do this, we duplicate the shipment. We also replace every broken egg free of charge. We guarantee all eggs to be fresh, fertile and true to name. If seven out of thirteen do not hatch, we duplicate the order at one-half price. We have mated for this season an unusual number of pens. These pens are headed with a number of our prize winning cockerels, and are mated for the best results.

We are now booking orders, and are prepared to fill them promptly. We ship eggs from the same stock that we breed from ourselves. From these choice pens we now offer our eggs of the following varieties:

American Dominiques,	Buff Wyandottes,	Golden Polish,
Black Javas,	*Mottled Anconas,	Cornish Indian Games,
*Mottled Javas,	*Houdans,	*Black Braided Red Games,
*Buff Orpingtons,	S. C. White Leghorns,	Buff Cochins Bantams,
Silver Laced Wyandottes,	Rose Comb White Leghorns,	*White Cochins Bantams,
Golden Laced Wyandottes,	Buff Leghorns,	*Golden Sebright Bantams,
S. C. Brown Leghorns,	*English Red Caps,	Rose Comb Black Minorcas,
R. C. Brown Leghorns,	Silver Spangled Hamburgs,	White Faced Black Spanish,
White Wyandottes,	*White Crested Black Polish,	*Blue Andalusians,
Buff Plymouth Rocks,	White Minorcas,	Black Minorcas,

EGGS—\$1.50 per 13; \$2.75 per 26; \$4.00 per 40; \$5.00 per 50; \$8.00 per 100. For June delivery eggs of varieties not designated by a star will be booked at only \$1.00 per setting of 13 eggs. Eggs of varieties marked by a star quoted on application. STOCK—Stock, single birds, \$3.00; pairs, \$5.00; trios, \$7.00; pens, \$10.

Mammoth Pekin Ducks

EGGS—\$1.50 per 11; \$2.75 per 22; \$4 per 35; \$10 per 100. STOCK—Single birds, \$3; pairs, \$5; trios, \$7; pens, \$10.

Toulouse Geese—Embsden Geese.

EGGS—\$2 per 7; \$3.50 per 14; \$5 per 21. STOCK—Single birds, \$4; pairs, \$7; trios, \$10; pens, \$16.

Mammoth Bronze and White Holland Turkeys.

EGGS—\$2 per 9; \$3.50 per 18; \$5 per 27. STOCK—Single birds, \$5; pairs, \$9; trios, \$12; pens, \$18. Order direct from this ad.

Write us for CIRCULAR AND SPECIAL PRICES on our new machines on the market. Assure your success by hatching our eggs in our incubators and raise the chicks in our brooders. This is a winning combination. Address all correspondence to Freeport—we have no branches.

THE F. W. NIESMAN CO. - - Box 40, Freeport, Ill.

A LEAF FROM AN AMATEUR'S NOTEBOOK.

Our first year in poultry keeping is ended; to be sure we had a few hens of various kinds before, but we started out the past season with the determination of raising the best stock we could get. In looking backward while our ardor is not abated, we have plenty of enthusiasm left and are ready for work along the same lines; we are free to confess it takes a lot of moral courage to carry out plans and ideas, where one steps from the beaten track of poultry culture in a conservative farming community.

It is surprising what an interest friend and neighbors take in your work. I believe the adverse comments of these self-constituted advisers cause many to become discouraged and drop out after a few months' trial. No one likes to be laughed at and blindly venturing in unknown paths we are over-sensitive and dread the look of pity and the complacent "I told you so," of these Bildads in poultry knowledge, we feel our own ignorance too much to reply like Job: "No doubt ye are the people," for if there is any work under the sun that is so thoroughly understood from start to finish by those with no experience whatever, it is the poultry business.

We decided upon the Wyandottes, not because we thought them the best, but they had taken our fancy, a neighbor, young in years, and not at all stale in knowledge, informed us that the Wyandottes were no good for eggs, were never known to lay more than six weeks in a year. Undismayed we pursued the even

tenor of our way, but later when we had paid five dollars for fifteen eggs of Partridge Wyandottes, conscience stricken a bit over our extravagance, trusting them in our incubator with a miscellaneous lot of the best we could get to fill out, we did feel shame-faced when friends whose good opinion we valued and who were at the time hatching great numbers of chickens with old hens, came to see us remove our brood from incubator and we had only seven chicks from our choice eggs while the mongrel lot we had bought from them, came out in goodly numbers. But these friends were tactful and kind, only suggesting trying a hen with fancy eggs hereafter. We compromised when again filling incubator and placed thirteen eggs under a broody hen, and after sitting faithfully for two weeks, one cold morning we found her dead on the nest and the eggs ruined, although we did our best to save them, but with a good hatch from our incubator, our hopes revived.

At least we have had the courage of our convictions, and when we look at our coops of "the B's blooded stock" as one neighbor has dubbed them, four pullets and two cockerels of the Partridge Wyandottes, losing one of the original number by accident, and our larger pen of beautiful white ones, we feel like the old woman far from childhood home and conditions when asked if she would like to return; replied with great earnestness: "What! Go back? there's no go back in me!"

We firmly believe that if we must economize it is best to do so with plain, comfortable houses and spend all extra money in good stock, look carefully to

details, go slow, take plenty of good poultry magazines, as life is too short to wait for experience to teach us in all things, and if we are willing to do hard work, sometimes disagreeable, morning, noon and night, and filling in between when we can, we will succeed.

SARAH B. BOWERMAN.

Rochester, N. Y.

A BEGINNER'S EXPERIENCE.

"A smooth sea does not make a successful sailor." Six years ago we decided to raise some chickens. Of course, we did not so much as know there were thoroughbred stock. We simply wanted them for eggs, table and market purposes. We decided to get us some pets; we tried Bantams, just mongrel; we went to work to prepare them a home. We built a pen 12x12 feet square, 7 feet high, covered it over with plank and brush. A very small dry goods box served as a shed. They did fine in this prison awhile, then eggs became scarce. Never did we dream they ought to have oyster shells, grit, cut bone, mashies, cut clover, etc. Three times a day we would throw down some corn or sloppy dough. At this time a scratch shed would have frightened us. As we did not succeed very rapidly we became very much discouraged. By chance a pair of Partridge Cochins came into our possession and with them came an idea also that no more indiscriminate stock for us. How nice they looked, beholding them in their beautiful plumage. Well, we tried these for one season. All new beginners become disgusted if they do not make a large display the first year. You know

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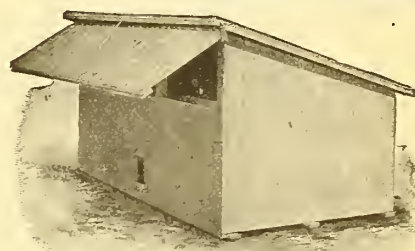
Our 1905 catalogue consists of 228 pages. It contains six Special Chapters on profitable poultry keeping; more than 450 illustrations, including latest portraits of 150 best known authors, judges, fanciers, editors, professors of poultry husbandry and owners and managers of the world's largest successful poultry plants. Will be sent free, postpaid, to every reader who sends his name and the names and addresses of two acquaintances who keep poultry.

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Cyphers Colony House or Roost Coop for Growing Chickens.



they jump from one breed to another, not giving any one a fair trial. Right here we would like to say choose one kind and stick to it. Next we tried S. C. Brown Leghorns, by this time we were getting a bad case of chicken fever. We now subscribed for a poultry journal known as NATIONAL but now AMERICAN, from which we gain valuable information. We went to work and built us a poultry house on a lot 40x60 feet. We were beginning on a small scale, but soon we had a small flock that we were proud of. Leghorns "beats all" as layers. But later on in the season came the louse period. Having had no experience in that line, Mr. Louse took possession and claimed a large per cent of our young stock his victims. Finally we decided to make an ointment of salted grease, sulphur and kerosene. We applied this to 75; out of that number only 60 died from effect of remedy. Then we lost our finest cock. Here we took a relapse and wanted to try something else. Leghorns can't bear confinement well. Having only lots and no range we decided to try White Wyandottes and White Minorcas. "The White Wyandotte is surpassed by none, they fulfill every requirement for market, showroom and for eggs. They are pure white in plumage, yellow skinned when dressed, clean legged and plump bodied from the start. They have more breast meat on them as young chicks than any other breed. They are contented when confined but still good foragers when they have a chance. They mature early, are good layers, extra good setters and busy mothers." The "White Minorca is a beautiful type of bird. They are known as the everlasting

layers." Having decided upon these two varieties, now we began to prepare to raise some fancies. A poultry man has his trials as well as any professional. When one died it would always be the finest; if a hawk came it would take the largest; but amid all misfortune we are gaining footing and our birds are a thing of beauty. If nothing more the knowledge we have gained in six years of poultry is worth many, yea many times its cost. Bad luck sometimes falls in drops, sometimes in showers. 'Tis thoughts of these that make life sweeter and, too, it makes us feel as though we were of some account in the poultry work, to meet with obstacles and by perseverance overcome them.

Now one word to our new beginners and older ones too: don't think you know it all, for there is much to learn. Experience is a dear school, but by our failures we learn.

King, N. C. MRS. NELIA PULLIAM.

A SPECIALIST.

Some people have very large heads. It seems to me a person's head must be extra large if he can find room there for all things he should know if he intends to raise several varieties of fowls.

The men and women who have succeeded raising poultry are mostly specialists.

A person can find enough to learn about one variety that will require all his time. Study your poultry magazines. See if the leaders in the poultry world to-day, the ones that have made the most out of the business, are not specialists.

Time is drawing near for another sea-

son to open. A great many will be thinking of entering the poultry business. Some will rush in head over heels, spending a fortune for land, buildings, incubators and other fixtures, securing a dozen varieties of poultry.

No wonder so many quit in disgust, saying there's no money in chickens. It takes years of hard study to learn this business so as to make a success. In one year's time some expect to know all, to strut around with silk hat, gloves, pressed pants and pockets bulging with coin.

They discover instead of making money they lost money, quit, grumble about nothing in chickens.

Be a specialist, select the variety you like best. Place all time, study and money you have to spare on them.

You may find your head a trifle small to hold all needed about this one breed. Keep continuously at it. Study harder. When you have money to spend invest in something that will improve your strain. Take time and don't rush.

Some may invest in stock, some in eggs, either is all right if you deal with a reliable breeder. A good way is to attend a poultry exhibition where all varieties are at their best. Make your selection and stay by it.

Learn your chicks from beak to toenail, then you can succeed.

Some day the heavy mist that hangs before you will move peacefully away and leave sunlight, pleasure and dollars to you and yours. CALVIN BAKER.

Webb City, Mo.

Exposure to cold rains is injurious to the health of the fowls.

A Knock at Your Door

Here is a new proposition for poultrymen only. It means more money to every one of them who will thoroughly investigate it.

It is simply a co-operative plan which has been carefully worked out to combine the poultrymen of America into an association for their mutual benefit.

Co-operation is not an unknown force; it is the lever that moves all great commercial enterprises today. It turns failure into success, and makes many things possible that could not be without it. That the progressive poultrymen of America are ripe for such a plan as is offered to them by the POULTRYMEN'S CO-OPERATIVE ASSOCIATION OF AMERICA is proven by the responses we are receiving. Here, for the first time, is presented the opportunity for poultrymen actively and personally to participate, as partners, in a gigantic scheme of co-operation that will benefit them, as a class, thousands, aye hundreds of thousands, of dollars every year. The object of this Association is to combine and centralize the purchasing power of its thousands of members, thereby reducing the cost of every article the poultryman requires in the conduct of his business. Later on, when the Association has become more thoroughly organized, it will include a selling department, which

shall take the poultryman's products and market them. It isn't necessary to dwell on this benefit to the members. The POULTRYMEN'S CO-OPERATIVE ASSOCIATION OF AMERICA is organized to work for the betterment of all the trade conditions of its members. It will save them money—it will earn them money.

That the benefits may be as extended as possible and the influence of its co-operation interest a great number of poultrymen, the Association invites membership from all over the country. It offers the poultryman a profitable investment for a small sum. It insures a constant saving on his purchases. It guarantees a liberal dividend beside. It will limit the amount he can invest, but it will not limit the benefits of his membership. A \$5 investment entitles each member to all the benefits that a \$100 investment would. It will not return as great an amount in dividends—that's all the difference.

Already thousands of poultrymen have joined the Association, and applications are pouring in every day. It will pay you to invest \$5 in a paid-up, non-assessable Life Membership Certificate in this Association. It will pay you to invest more if you desire, but you cannot afford to let this chance go by.

Opportunity knocks now at your door. Don't turn it aside with a shrug of your shoulders. Investigate it thoroughly. The wise man proves his opportunities and profits by them. Be wise and write for free prospectus, "A Knock—Opportunity," and read it carefully, weigh its arguments and "see if they be good." If our proposition won't bear your closest scrutiny, turn it down, but don't turn it down and miss its benefits from force of habit. Write for the prospectus today and ask for "A Few Comments" from prominent poultrymen you all know—see what they think of this plan. Address all communications to

Poultrymen's Co-operative Association of America, 321 Mutual Life Building, Buffalo, New York.



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Stock for sale. Cockerels \$1.00 and \$2.00. Eggs 15, \$1.00, 100, \$5.00

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CHEAPEST AND BEST
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Two big Chicago shows—eight first prizes. Stock to spare at right prices. Eggs for hatching. Write for particulars.

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Caneday's White Rocks Are Good Ones

Ten years of careful selection and pedigree breeding. Splendid layers, with size, shape and color. Customers well pleased. **Best eggs \$2.00 now.** Write for fine circular illustrated from life.

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EGGS \$2 and \$3 per 13. Birds \$2 to \$10 each; \$5 to \$20 per trio. Prize Winners for twenty-four years. Circular free.

Dr. H. F. Ballard Chenoa, Ill.

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My breeding stock for sale at a bargain. Eggs reduced to \$2.00 per fifteen straight.

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White Wyandottes

Duston's breeding and exhibition birds of high quality, farm raised and bred in line from my prize winners. While they did not get any ribbons at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable prices, I can supply you in young and old in lots to suit.

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Just hatched from Barred and Buff Plymouth Rocks, Single Comb White Leghorns and W. Wyandottes at 8½ to 15 cents each. Distance no objection. 6,000 chicks hatched per week at the Pine Tree Hatchery. Send for circular and get your order in early.

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Send your order for eggs where you can get something good. Get the laying kind and the beauty kind. Boyce has bred the one kind only for many years. EGGS \$2 per 15. Catalogue free. Address

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Attacks stopped permanently. Health completely restored. No return of symptoms after treatment ceases. Throw away "Reliefs." Be cured in the right way. Good appetite, sleep well, do anything, go anywhere. 58,000 patients. BOOK 58¢ FREE.

P. Harold Hayes, Buffalo, N. Y.

A LITTLE DRY FOOD PLANT.

The subject of this article is a little 2-pen poultry plant in a nearby suburb of Chicago and is not intended for a money maker, but for recreation, and the good that comes of having fresh eggs at all times and the right kind of poultry meat. The lot or rather lots are nearly all lawn, and with apple and cherry trees, gooseberry and currant bushes make the finest kind of a place for young chickens.

The hen house is 12x24 feet, divided into two pens 12x12 feet. It is 7½ feet high in front and 5 feet at the back, facing south, with a large door and two windows in the front, which can all be opened in warm weather, making it practically an open front scratching shed, or closed in cold weather makes a warm house. A dropping board 3 feet wide with roosts above is placed at the back. A curtain on frames swings from the ceiling to just below the dropping boards makes a warm roosting room for real cold weather. This curtain is hooked up during the day. A brooder coop and nest boxes are under the drop board. The four yards, two extending front (south) and two back (north), are 12x50 feet. Two of these yards are spaded up each year and planted with corn, sugar beets or rye. This purifies the soil, which would surely be poisoned by the droppings of the birds and cause some of the ills that chickens are heir to. When the plants are high enough that the chickens can't harm them they are let in and this makes an ideal forage ground. The fowls kept are White Wyandottes of a noted egg laying strain. The aim is to get the chicks out early and get them laying before cold weather, so a 60 egg incubator is run in the house cellar.

Two colony houses, each 6x8 feet, are placed under the apple trees and a three compartment outdoor brooder is placed in each. Some chicks are hatched by hens to be sure of having pullets enough in the fall. Last spring from two sittings of eggs, two pullets and eleven cockerels from each was the result. The incubator chicks are placed in the brooders the second day after being hatched, the floor covered with cut clover and a dry grain chick food scattered in the litter. Grit, charcoal and water are placed before them and they are kept on this diet for 6 or 8 weeks. After the fourth day a little beef scraps is given and gradually increased until they have it before them all the time. They are given the run of the house on stormy or cold days and on bright days the run of the whole lot. When they are inclined to want to roost on the brooder it is taken out and low roosts are put in. Now a five compartment hopper is placed in coop containing dry beef scraps, cracked corn, wheat, bran and grit, which is filled as fast as needed. Charcoal and fresh water is furnished at all times. Now they are left to run and grow and they do grow with food where they can get it at any time, and plenty of shade and grass. As soon as the cockerels can be picked out, they are put in one of the colony houses in a small yard and the pullets in the other and let run. The cockerels are fed with about the same grain, except that it is ground fine and fed dry from the hopper. The beef scraps is continued and they get all the grass they want.

PARLOR POULTRY YARDS, F. C. Tabor, Prop., Worcester, N. Y. Tabor's 200-egg strain of R. C. B. Leghorns lead, others follow. At Madison Square Garden, Jan., 1905 1st cock bird in the strongest class ever shown at the great World's Fair, St. Louis, 1904, 4.6 hen, 6th pullet, 2d pen. Eggs from special matings \$1 per 13. Catalogue free. Stock for sale.

West Michigan Poultry Farm

Bangor, Mich.

Barred Rocks, White Rocks
White Wyandottes

CHOLERA

IS THE
DEADLY PLAGUE

OF THE

Poultry
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CHOLERA and its kindred diseases, Indigestion, Bowel Trouble, Diarrhea, Dysentery, Sour Crop, etc., attack alike the young chick and the old fowl. Thousands upon thousands are lost each season from these causes and the year's profits dwindle to nothing.

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is the result of years of our most careful study and research and is GUARANTEED by us to be an absolute and immediate cure for these diseases. You cannot afford to be without it.

It may save you a large amount of money this season.

It is given in the drinking water and requires no labor on your part.

It is tasteless—its presence cannot be detected by the flock.

It is eagerly taken, as fowls with these diseases are very feverish.

It is not expensive—a little goes a long way. It is good for Turkeys as well as fowls.

It is harmless and will not injure sick or healthy fowls.

It is guaranteed by us to satisfy you—if it fails, your money back—no questions, just money.

Don't fail to try this wonderful remedy. Send for it to-day and be prepared to check these troubles at their first appearance.

Given occasionally it is a sure preventative. If your Druggist or Poultry Supply Dealer cannot supply you, send order direct to us. We will forward on first mail.

Price, 50 cents per box, post-paid.

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Valuable Book on

Poultry Diseases

We have just published a new 48 page book entitled "POULTRY DISEASES AND USEFUL INFORMATION," which we are selling at 25 cents each. We will send it to any one on receipt of two 2c stamps, if he will mention this paper and give us the name of the party from whom he buys his poultry remedies or supplies. Send for it to-day—the most reliable book published.

Agents wanted everywhere for Conkey's Poultry Remedies.

Pacific Coast Agents,

Petaluma Incubator Co.

Petaluma, Cal.

This system gives nice plump birds to eat. At about four months old they are gradually sold off or eaten, none being kept, as each fall a cockerel of a famous egg laying strain is put in the breeding pen. In September, the pullets having rounded up in fine shape, are put in the house and when they begin to lay are culled out; twenty-five of the best layers are kept to make the winter eggs. The pen floor is covered eight inches deep with straw and three times a day wheat, corn or oats is thrown in and they have to scratch to find it, giving them needed exercise. A hopper of beef scrap and one of dry bran with a little salt added is kept before them all the time. Potatoes, carrots, turnips or other vegetables chopped fine or steam cut clover. Cut clover fed in a trough and with a cabbage head hung up or a sugar beet cut in half furnished the green food in winter when no grass is on the ground, with fresh water warmed in winter, cool in summer.

The dropping boards kept clean; the house thoroughly whitewashed; kerosene, lice paint or lice powder used freely and a good dust bath furnished, they cannot help but keep in good health, which means lots of eggs at the time when wanted most. The second year these birds are culled again, fifteen of them are placed with the new cockerel in the other pen and form the breeding pen from which the future layers are raised. The old breeders are sold off and this system followed year after year. By this system of care and feeding they get lots of eggs when prices are high and the neighbors who keep hens but don't

take as good care of them are very willing to buy strictly fresh eggs. The health of the birds is nearly perfect, no bowel trouble as chicks and a constitution that is pretty hard to break down.
Elgin, Ill. C. E. RINEHIMER.

HOW TO CARE FOR JUNE CHICKENS.

So many have said they could not succeed in raising June-hatched chickens, but I suppose they let them care for themselves. I find that to be successful with June chickens, I must take care of them. The first thing necessary is a proper place to keep them. I have coops and nice runs for the hens to be confined in and after the chicks are old enough I let them run out after the dew is off the grass—never let them out in the wet weeds or on damp days. I feed them plenty and give them small grain in straw or litter on the bottom of the pens. I lift the pens around to clean ground every morning and never allow the ground to become damp. If it rains and causes the pen to be damp, I take ashes and lime, throw all in the pen and sweep off until the ground soon becomes nice and dry.

I go at night and see that each hen is in her coop with her brood, and that they are not sleeping in a draft to catch cold, and get the roup. I never use a chicken that has ever shown any symptoms of roup. I use the best remedy, the "ax," if I find any in that condition. I clean coops out every other day and sprinkle with fine pulverized lime, also keep them well painted with Lee's Lice-killer to keep them free from lice.

I have a large flock of June chickens and have, so far, succeeded in raising every one of them and they are all healthy and growing as fast as the earlier chickens and will make nice pullets and cockerels when they are matured. I can tell the cockerels from the pullets and will soon separate them, so I can give them more care. I never allow young chicks to be crowded, for, if they do, they tramp on one another and perspire, so that soon they are stunted and not worth anything. Lice, filth and laziness are three drawbacks in the poultry business. There is little more trouble raising every chick hatched the latter part of June than those hatched in March or April. I never let the hen and chicks out until they are old enough, then never let them out until all the dew is off of the grass, about eleven o'clock each day. If, on damp days, I move them to one of the houses, and keep them warm and dry; the best of care must be given them to keep them all healthy and growing. I scald and wash out their drinking vessels every morning and fill them with fresh, clean water; then at noon I go around to each vessel again and fill them with fresh water. I give them plenty of oyster-shells and fine ground bone meal. By watching all the small things in poultry raising, I succeed in raising all the late chickens I have hatched. I had a hatch in the incubator come off June the 28th with bright, healthy chicks. I still have that number only a great deal more bone and muscle to them than when first hatched. I have with hens, 145 June chicks and they are doing fine

Monett, Mo.

MRS. WM. BRITE.

The Tender Life of the Newly Hatched Chick

is strengthened by our scientifically mixed seeds and grains which induce exercise, and by their great variety and wholesome condition put on flesh and muscle quicker than any other food on the market, while preserving health. "Wholesome" means much when applied to

CYPHERS CHICK FOOD.

It means that the whole, sound grain is used and that none of its valuable constituents have been removed. It is all there because we manufacture in our mill nothing but poultry foods—no breakfast foods nor stock foods to consume the better part of the grain and leave the refuse for the tender little chicks that have not the strength to digest such coarse, fibrous products.

We grind, mix, sack and seal all our Foods. For the protection of our customers our Ready-mixed Poultry Foods are put up in sealed bags, bearing our Trade Mark, each bag being sealed with a lead seal with the word "Cyphers" stamped on one side and the word "Buffalo" on the other. Customers should refuse all bags which do not bear our seal, also those on which the seal has been broken or removed.

New York Winners Reared on Cyphers Food.

"I have used Cyphers Chick Food for two years with record-breaking results. All my New York winners were reared on this feed, and I shall never attempt to raise chicks without it in the future."

C. H. WELLES.

Lost Not One Out of Four Hundred.

"We have used nothing but Cyphers Chick Food for our young chicks. Have not lost one out of more than four hundred. Neighbors have used other foods and lost many chicks. Yours is the best food on the market. I would not think of trying to raise chicks without it."

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It is the duty of Government Experiment Stations to analyze licensed feeds to determine their value and discover if they come up to their guarantees. In these tests the Cyphers Company poultry foods lead all others in their reliability. The Wisconsin Agricultural Station at Madison, Wisconsin, recently tested SEVENTY feeds offered for sale by different firms not from samples furnished by the manufacturers, but, as the station reports, from "samples found on the market, that is, either collected by inspectors or forwarded for examination by private parties." After analyzing the foods these noted Government Analysts reported that CYPHERS SCRATCHING FOOD IS "ENTITLED TO SPECIAL MENTION" from the fact that it "CAME UP TO THE MANUFACTURERS' GUARANTEE FOR PROTEIN AND FAT CONTENTS." It may be well to note that the protein found in this food was 1.47 more than we guaranteed.

SEND FOR FREE SAMPLES OF Cyphers Chick Food, Cyphers Forcing Food, Cyphers Scratching Food, Cyphers Laying Food, Cyphers Clover Products. These foods are the Standard for Poultry Foods and are recommended by the most successful poultry keepers. They save trouble and add profit.

Our big 228 page Main Catalogue will be sent Free if you give us the names and addresses of two persons in your district who keep poultry. This catalogue contains more than 450 illustrations of the best known authors, judges, fanciers, editors, professors of poultry husbandry, managers and proprietors of the largest poultry plants, with views of those plants.

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Did you think all separators were alike—that any kind was good enough—that makers of bucket bowl separators would tell you their machines are poor? Some dairymen have thought so—have dropped a bunch of money that way. But **you'll not if you investigate—read The Separator News—learn that**

Separators are Vastly Different

A cow's leg and tail may look alike, but they're very different. One is good for support—the other to swipe your face in fly time. **SEPARATORS** are just as different. The Separator News tells how, tells it plainly, tells why Tubulars are best, appeals to your judgment. Tubulars recover more butter fat—skim twice as clean by official tests. It's the only simple bowl separator. The Separator News tells about separators—issued periodical—subscription free. Write for it and catalog No. C-205.

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better the digestion, health and laying qualities. Get the leader, **MICA CRYSTAL**

100 lb. bag, 65c; also Oyster Shells, 60c; Beef Meal, \$1.80; Granulated Bone, \$2.00; Beef Scraps, \$2.25; Laying Food, \$2.25; Chick Feed, \$2.50. All in 100 lb. bags, f. o. b., Chicago. Cash with order. Write for large Poultry Supply Catalogue. Mailed free.

Darling & Company, Dep. C, Union Stock Yards, Chicago.

HENS WILL PAY.

twice the profit, if you use the easy-turning

Mann's Latest Model Bone Cutter.
Ten days free trial. No money in advance. Catalogue free.
F. W. MANN CO., Box 56 Milford, Mass.

SUPERIORITY OF THOROUGHbred POULTRY.

I have frequently been told that the ordinary mongrel poultry, which is not even "thoroughbred scrub" stock, would under the same treatment yield just as good results as thoroughbred chickens. My experience, during the past winter, as it bears on this question, may be of interest to others, though it will not probably surprise experienced poultrymen.

A year and a half ago, I bought six mongrel hens and a very good Barred Plymouth Rock cock. From this mating, I kept four pullets hatched in May, and I bought two more pullets, perhaps a little older. From the same stock as my Plymouth Rock cock, I got five pullets and one from another strain of the same breed, all hatched in April and May.

As I was living on rented property and expecting to move to my own this summer, I could not afford a great outlay on poultry fixtures, so that although the winter was very severe for this climate, I could only give my fowls fairly tight and small houses with no scratching sheds, etc., for bad weather. They had no green bone and only occasional meals of meat cooked or raw. In the matter of housing, feed, etc., mongrel and thoroughbred fared alike. So much for the conditions, now for the results.

My Barred Rocks commenced laying Dec. 3d to 10th, there being only about a week's difference between the May and April pullets. They averaged an egg apiece every other day, till about Dec. 20th, when the coldest weather of the winter and the necessary confinement during several days of snow stopped them for about ten days. Both my cocks had their combs frosted. With the new year, however, they went to work and in January I got a hundred eggs from this pen. Severe weather in February again interfered with their laying and I got only fifty eggs for that month.

In March, although two of the pens were sitting most of the month and I lost one by an accident, I got sixty-seven eggs. In April, two being still at work out of the pen, I got fifty-six eggs. In May there was a general tendency to be broody and I used two more as setters, but I got sixty eggs from the three that were laying. Under better conditions no doubt, much better results could have been gotten, especially for December, January and February.

The pen of mongrels gave their first eggs about the middle of March, but few of them did not begin to lay till April 15th. Several of them have already been broody and though I have used only one for incubation, they have hardly averaged an egg apiece every other day.

When it is taken into account that for the three months of December, January and February, during which the mongrels were idle, the price of eggs in the local market averaged nearly thirty cents and that since March 15th it has not averaged more than fifteen cents, it will be seen that in this case at least the thoroughbreds show a decided superiority as utility birds. I am arranging

Only Soap that will satisfy you
Pratts Harness Soap.

Made by Pratt Food Co., Phila. Over 30 years old.

to make a still more thorough test next spring.

B. M. DRAKE.

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Chick Manna

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The food for the first ten days.

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Roup cured. No need to fear this deadly disease if you have a cure ready for instant use.

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free, tells about poultry needs of every kind, and gives prices.

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THE IDEAL

Show Which Hen
Laid The Egg.

Now is the best time to install them. Let me help you think it over. Circular free.

NO FREIGHT.

F. O. WELLCOME,

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Doane's Minorcas

are farm raised. Eggs from best matings \$1.50 for balance of season. Orders from ad direct promptly filled.

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BUFF ORPINGTONS

We have unsurpassed quality in this grand variety, and our show records prove this. Eggs from all matings at reduced prices now. If you want the best try them.

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Davis' Poultry Punch

Nickel-plated, neat, weighs half an ounce.
Cuts two sizes. Price 25c postpaid.

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Smith Sealed prevents fraud at shows. Note large numbers—never duplicated. Prices—12, 30c; 25, 50c; 60, \$1.00; 100, \$1.50.
Glimax, light, easy to fasten, secure as a padlock. Sizes to fit any bird.
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25
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EST. APR. 8, 1902

Best Hen In The World

At the great World's Fair Show Mrs. Della Maxwell's Barred Plymouth Rocks won 1st hen and 5th pen in competition with the world, and in Missouri exhibit, 1st hen, 1st breeding pen and 5th cock. Eggs in season. Mammoth B. Turkeys and pedigreed Scotch Collies.

Maple Grove Poultry Yards, Fayette, Missouri
Mrs. Della Maxwell, Prop.

At Great St. Louis World's Fair Our Partridge Wyandottes

Won 1st cock, 1st pen, 2d pullet in competition with the best in the world. Our **SILVER PEN-CILED WYANDOTTES** are just as good and we have hundreds of the finest exhibition and breeding stock of both varieties for sale.

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EGGS for sale at cut prices after June 1st from stock scoring from 92 to 95 by McClave. Price \$1.25 per sitting of 15. "Sundowner Strain."

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Do you want to raise some exhibition birds? If so, we can sell you the eggs that will hatch the prize winners. Breeding stock scores 90 to 96. White Wonders, Black Spanish, S. Dorking; all varieties Wyandottes, Rocks, Javas, Polish, Leghorns, Cochins, Hamburgs, Minorcas, Langshans, Bantams, Ducks, Geese and Turkeys. Send us your order and be convinced by our fair treatment. Catalogue describing 45 varieties sent for four cents. Geo. P. Hartman & Son, Box D 193, Freeport, Ill.

Lapham's Buff P. Rocks

are birds of quality. Fifteen pens carefully mated. Handsome catalogue free.

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Bennett's Barred Rocks

in breeding and individual merit are the equal of any on the market and won at Chicago, Jan. 1905, 1st pullet, 2d cock, 2d hen, 3d cockerel and 2d pen. Choice breeders for sale at half price.

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Wiebke's S. C. Brown Leghorns.



Chicago, Ill., January, 1905, 2d cock, 2d, 3d cockerel, 1st pullet, 1st pen, 10 specials on 8 birds. Madison Square Garden, Jan., 1905, 1st cock, 3d pullet.

Winners of thirty firsts at Chicago, Indianapolis, Cleveland, Ft. Wayne. Eggs \$2 and \$5 per sitting Circular free.

W. H. WIEBKE, Box P 2001, Ft. Wayne, Ind.

S. C. W. LEGHORNS

Eggs \$1 per 15 straight after June 1st. Satisfaction guaranteed.

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RESULTS COUNT.

If the number of machines sold from the factory direct to the customer and an unusually high degree of satisfaction expressed by the purchasers of these great numbers, then surely Sure Hatch Incubators and brooders for the season of 1905 stand at the top of the list as successful machines. Sixteen thousand Sure Hatches in four months were shipped out of Clay Center, Neb., going to every part of the civilized world. Every one of them were sold under an absolute guarantee as to construction and work, and not a single machine has been returned because it failed to make good what was claimed for it.

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The American public is a discriminating buyer, and after being in business for eight years if the Sure Hatch proposition, "No better machine at any price and none as good for the Sure Hatch price," did not hold good, the American public would not buy Sure Hatches in such large numbers.

Nearly 80,000 Sure Hatch machines are now in successful use and they will be hatching chicks—hundreds of thousands of them—during the next two months.

The standard of Sure Hatch construction is never lowered. It is constantly being raised. The Sure Hatch catalogue tells all about the machines. Special prices are on for the summer months. A postal card to the manufacturers will bring to you full information concerning prices and the use of incubators and brooders.

Address the nearest office.
SURE HATCH INCUBATOR CO.
Clay Center, Neb. Indianapolis, Ind.

THE MAY AMERICAN BOY.

Better and better, is the motto, evidently, of *The American Boy*. Nothing ever attempted in the line of literature for boys quite equals this sterling, high class monthly. Baseball is the key-note to the *May American Boy*, as is hinted on its front cover. The noted baseball player of olden times, A. G. Spalding, contributes the first part of a story of the origin of baseball. The fiction includes, "A Boy's Adventure with a Piru Condor," a Decoration Day story entitled "The Ministration of a Child," a fishing story, "Tow-Head and the Old 'He-One,'" the first chapter of a story, "A Page Without a Pull," whose hero is a page in the United States congress; an exciting adventure in the frozen north, entitled "How Adam Nugent Brought the Mail;" a story of humor, "The Conquest of Mickey McCloskey;" and a number of short stories under the titles, "An Equatorial Shark Catch," "In the Thick of the Fight," and "A Heaven for Lions." Further chapters of Kirk Munroe's "For the Mikado," "My Four Years at West Point," and "A French Frog and an American Eagle" also appear.

IS THERE ANYTHING IN FEEDING FOR WHITE BIRDS?

The Steinmesch Feed & Poultry Supply Co., St. Louis, Mo., are specialists in Chicken Feeds. Their Chick Feed is now the leader of all Chick Feeds. Their "Select" Hen Feed is the best on the market. Their Early Breakfast Mash is the best. Their Fattening Food is the best. Their Scratching Feed is the best, free from cheat. In fact, they handle only the best of everything. They now offer a suggestion, especially to breeders of White Birds, and that is *White Kaffir Corn, Broken Rice* and *"Winter Green" Alfalfa Meal*. These feeds will come nearer to holding White Birds white than anything else that can be fed, and the prices are very reasonable. See ad on another page. Free samples and free catalogues.

The army that knows how to shoot is the army that crosses the enemy's trenches and we rejoice to read in *May Outing* that marksmen are being made of our militia and regulars. Lieutenant Frank E. Evans tells of the contests at Creedmore which are fast inspiring our men to become crack shots. His photographs are most realistic. No monacles or flapping banners there, but a long line of rusty clad chaps lying on their faces with one eye on the ever changing wind and another on the small dots of white in the level distance.

Special June Sale

EGG PRICES CUT IN HALF

All	\$10	per	setting	Eggs	now	\$5.00
All	5	"	"	"	"	2.50
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Special prices on quantity lots.
About 3000 eggs laid daily.

Leghorns, Wyandottes, Plymouth Rocks, Minorcas, Brahmas.

Hundreds of Little Chicks for sale at \$15 per hundred

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We offer Choice *White Kaffir Corn* at \$1.30 per 100 lbs., \$6.00 per 500 lbs.

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Above includes sacks and free delivery to R. R. depot in St. Louis & cheap freight rates to all points.

We also offer *Oyster Shells* at 75c per 100 lbs. *Mica Crystal Grit* at 75c per 100 lbs. *Granulated Bone* at \$2.25 per 100 lbs. *Beef Scraps* at \$2.50 per 100 lbs. *Napreol*, Lee's Lice Killer, Lambert's Death to Lice. In fact, all standards goods.

Make one order for anything that you need and we will fill it promptly.

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BARRED ROCKS. Hawkins, Thompson and Bradley blood. Eggs, \$1 and \$2; 85 per hundred. Stock for sale. Satisfaction guaranteed. Watson Brodhead, Franklin, Pa. 4-3

BUFF ROCKS—Winners State Fair and Indianapolis Show. Settings, \$1. Wm. A. Stolts, Route 19, Indianapolis, Ind. 4-3

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BUFF ROCK EGGS from two yards, headed by winning males. Pure Nugget strain. Fine large, even colored females, farm raised. \$1.50 per setting. Fred Somers, Beaver, Pa. 4-3

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BUFF ROCK EGGS, the original Nuggets the entire Overbaugh flock. Come to headquarters for your pure Nuggets. Our matings are second to none. Birds from our yards in the hands of customers won their share of firsts and silver cup prizes at the large shows this past season. Eggs, \$5 per 13, \$8 per 26, \$12 per 50. Nugget Poultry Farm, Bloomsburg, Pa. 4-3

EIGHT YEARS a breeder Barred Plymouth Rocks. Double mating system. A. B. Commons, Richmond, Ind. 4-3

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Barred Plymouth Rock eggs, rich in Ringlet blood, \$1.00 per 13; \$6.00 per 108. H. B. Cooper, Jr., Woodside, West Philadelphia, Pa. 5-3

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SPECIAL SELECTION OF HIGH QUALITY White Wyandotte eggs, from heavy laying strain. Extra white birds, scoring 95 and better. Fifteen eggs for \$3; thirty eggs, \$5. Any infertile eggs replaced free. Frank S. Pattou, Johnson City, Tenn. 4-3

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WHITE WYANDOTTES EXCLUSIVELY. Choice stock. Farm raised. Eggs, \$1 per 15. Chas. Birdsall, Good Hope, Ill. 4-3

WHITE WYANDOTTES, the birds that won at Chicago big show first cock and first pen. Eggs only \$3 per setting. Order at once if you want the best. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

WHITE WYANDOTTES, Duston strain. Bred for size, shape, color and especially for winter laying. Eggs, 10c each; \$6 per 100. Few fine snow white cockerels, \$3 each. L. A. Richardson, Marine, Ill. 4-3

WINNING BUFF WYANDOTTES. Eggs, \$2 per 13. Birds in my breeding pens score 90 to 95. None under 90. Brooder plans, 25c; free to egg customers. A. Almendinger, 41 Oak St., Buffalo, N. Y. 4-3

BLUE RIBBON WINNERS—White Wyandottes. A few trios and pens yet for sale. Write for prices. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

BETTER THAN EGGS—AND CHEAPER. Fine White Wyandottes, 3 to 4 months old, \$9.00 a dozen. Geo. F. Snyder, Highland Farm, Tallapoosa, Ga. 5-3

EGGS, \$1 for 15 from White and Silver Wyandottes. Best strains. Satisfaction guaranteed. Dan Mears, Delrey, Ill. 4-3

BUFF WYANDOTTE EGGS for sale from stock scoring 90 to 94. Three dollars per 15 from first pen and \$2 from second. Ed Matsch, Burlington, Iowa. 4-3

SILVER PENCILED WYANDOTTES, prolific and beautiful. Eggs, guaranteed, \$3 for 15; \$5 for 30; \$6 for 45. S. J. Sorensen, Ravine, Poultry Yards, Appleton, Wis. 4-3

BUFF WYANDOTTES EXCLUSIVELY. Eggs in season, good layers, from \$1 to \$1.50 per 15. C. B. Way, Wooster, Ohio. 4-3

WHITE WYANDOTTE EGGS, \$2 per 13; 93½ point male, Toulouse geese eggs, 20c each. A. E. Stine, St. James, Ill. 4-3

FOR SALE—Twenty White Wyandotte cockerels. Fifteen eggs, \$1.25. W. C. Jackson, South Bend, Ind. 4-3

WHITE WYANDOTTES (Fished strain). Eggs from five grand pens, \$1.50 per 15. K. J. Heabler, Attica, Ohio. 4-3

WHITE WYANDOTTES, three pens, good matings, farm range, great layers. Eggs for hatching, \$1 per 15; \$3 per 60; \$5 per 100. R. D. Chalfant, Bluffton, Ind. 4-3

SILVER LACED WYANDOTTES. Eggs only, 15, \$1; 45, \$2.50. Fine stock. Order direct. John Cook, Route 7, Bluffton, Ind. 4-3

WHITE WYANDOTTES EXCLUSIVELY. Eggs, 15, \$2; 30, \$3.50; incubator eggs. Will hatch winners. Line bred, prolific layers, true shape and markings. Seventy-five per cent fertility guaranteed. W. J. Braun, Warsaw, Ill. 4-3

WHITE WYANDOTTES EXCLUSIVELY. Eggs from exhibition matings at \$3 per 15. Incubator eggs from our pure bred farm range flock at \$5 per 100. All males in this flock are brothers to our first prize cockerel at the late Illinois State Show. Write for circular. J. M. Wiley & Son, Elmwood, Ill. 4-3

PARTRIDGE WYANDOTTES — ADAMS' "GOLDBANKS." Thirty-three premiums at two State Shows. Stock; eggs. Circular. Rev. A. B. Adams, Altoona, Iowa. 4-3

PARTRIDGE AND SILVER PENCILED WYANDOTTES. Eggs—Partridge Wyandottes, \$1.50 per 15; Silver Penciled, \$2 per 15. Ed Schmiedemanu, Lakemills, Wis. 4-3

GOLDEN'S GOLDEN WYANDOTTES, GOLD-EN SPANGLED and Penciled Hamburgs. Eggs, \$2.50 per 15; \$4.00 per 30. Ira Sitterly, 19 Potter St., Gloversville, N. Y. 4-3

GOLDEN AND BUFF WYANDOTTE eggs from choice stock at special prices. Circular. A. F. Hertzler, Burlington, Iowa. 4-3

WHITE WYANDOTTES—Heavy layers. Won at Pontiac and State Show, Detroit, six firsts, four seconds, two thirds, strongest competition. Birds best pen score 92½ to 94. Eggs, \$3 per 15. Will win for you. R. M. Morton, Box 652, Detroit, Mich. 3-4

WHITE WYANDOTTES, "Duston." Choice stock. Excellent layers. Eggs, \$1.25 per 15; \$5 for 100. L. C. Taylor, Lake View Farm, Lima, Ind. 3-4

GOLDEN WYANDOTTES exclusively. Keller Strain. Excellent layers. Eggs, \$1.25 per 15; \$2.00 for 30; \$3.00 per 50. No further reduction. Lemuel Greth, Wernersville, Pa. 1-6

HIGH CLASS PARTRIDGE WYANDOTTES. Stock for sale. Eggs, \$3 and \$5 per 13. H. J. Manley, Maplewood, Malden, Mass. 1-6

WHITE WYANDOTTES—Fine healthy stock. Eggs, \$1.50 per 15. Stock for sale. E. D. Wright, R. 1, Salem, Ohio. 2-5

COLUMBIAN WYANDOTTES—Winners at Madison Square Garden; a few good cockerels to spare. Eggs, \$3 per setting. Dr. C. J. Andrus, Canandaigua, N. Y., "The Black Minuette Man." 2-05-12

EGGS, 10c each. Standard White, Partridge and Silver Penciled Wyandottes, Buff Orpingtons. Chickadotte Farm, Ruralhall, N. C. 4-3

DUSTON STRAIN White Wyandottes. Eggs, \$1.50 for 15; \$2.50 for 30. Alice Latham, Route 4, Newton, Iowa. 4-3

PARTRIDGE WYANDOTTES—Eggs from select females mated to cockerels from Doolittle, \$2 for 15. N. A. & M. M. Rohiuson, 1812 Hebron Ave., Zion City, Ill. 6-1

WHITE WYANDOTTES. Prolific layers. Circular and premium list free. Stock for sale. Incubator eggs, \$5 per 100. Wentz Bros - Route 29, Plymouth, Wis. 4-3

MANORDALE FARMS—Famous bred-to-lay White Wyandottes; 140 eggs in 151 days is a pullet record. Eggs, \$2 per setting. Joe F. Charles, Mountville, Pa. 3-12

WHITE WYANDOTTES, "Duston." Choice stock. Excellent layers. Eggs, \$1.25 for 15; \$5 for 100. L. C. Taylor, Lake View Farm, Lima, Ind. 6-3

WHITE WYANDOTTES. Reliance strain; always in the winnings, no matter how hot the class is. If you don't like the birds send them back and get your money. My object is to please. D. Lincoln Orr, Box 3, Orrs Mills, N. Y. 6tf

WHITE WYANDOTTES FOR SALE—10 hens and 6 cock birds, including my best breeders and prize winners, at great bargains. Write Will H. Schadt, Goshen, Ind. 6-3

GREAT SACRIFICE SALE—Of White Wyandotte breeders, to make room for 200 young chicks. Ira B. Sleet, Warsaw, Ky. 6-3

DUSTON'S WHITE WYANDOTTES. Eggs, \$2 for 15. John W. Brown, Thorn Grove, Tenn. 4-3

LEGHORNS.

SINGLE COMB WHITE LEGHORNS. Wyckoffs and Blanchards. Eggs, 75c per 15; 100, \$4. Myrtle Colledower, Palestine, Ill. 4-3

WHITE LEGHORN EGGS, the kind you have been looking for. Two hundred egg strain, fine in shape and color. Birds score from 92½ to 95½. Satisfaction guaranteed or money back. Eggs, \$2 per 15, or \$8 per 100. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

ROSE COMB LEGHORNS. White and brown stock all sold. Eggs, \$1 for 15, \$2 for 30. John Cook, Route 7, Bluffton, Ind. 2-6

McELHENY'S S. C. White Leghorns are bred to lay. Finely illustrated circular with directions for feeding free. Frank L. McElheny, Box J, Cuba, N. Y. 4-3

COLE'S LEGHORNS—Rose Comb Brown. Eggs, 15, \$1; 100, \$5. Chas E. Cole, Elmwood, Ill. 4-3

DON'T BUY S. C. B. Leghorns of me unless you want good ones; have won 22 premiums this winter; stock and eggs for sale; eggs, \$1.50 for 15. S. W. Crosby, Newton Falls, O. 4-3

A BARGAIN—Pure S. C. W. Leghorns; eggs for sale, \$1 per 15. A. R. Messelher, Hamptou, Iowa. 4-3

ROSE COMB WHITE LEGHORNS. New York-Chicago winners. Good layers. Circular. W. W. Wood & Co., Augola, Ind. 5-4

S. C. B. LEGHORN EGGS for hatching. All females in yard scoring 94 or better. Keller, Marshall, May, McKenzie, Judges; \$1.50 per 15. Satisfaction guaranteed. Henry Oehler, Germantown, Ohio. 5-3

17 EGGS, \$1; 100, \$4. From heavy laying strain. Rose Comb Brown Leghorns. W. E. Callihan, Tennessee, Ill. 4-3

SINGLE COMB BROWN LEGHORNS. Eggs from my best pens, \$2 per setting; \$5 per fifty; \$9 per hundred. From utility stock, one-half the above rates. Satisfaction guaranteed. Paul T. Hobart, Roscoe, Ill. 4-3

SINGLE COMB WHITE LEGHORNS—Bred from White Leghorns Poultry Yards. Eggs per setting, \$1. Louis Houghtaling, Hudson, N. Y., R. F. D. No. 2. 4-3

LITTLE CHICKS—Just hatched from fine S. C. Brown and White Leghorns, etc. Price, \$8 per 100 chicks. M. Uhl & Co., Box B, New Washington, Ohio. 3-4

ROSE COMB White & Rose Comb Brown Leghorns, 300 birds for sale; eggs for season. Jno. Cook, Route 7, Bluffton, Ind. 2-6

SINGLE COMB BUFF LEGHORNS—Thoroughbred; have free range of farm. Eggs, 45, \$1.50. J. H. Ward, Route 2, Vinton, Ohio. 4-3

SINGLE COMB WHITE LEGHORNS exclusively, 15 eggs \$1.50, from large, vigorous, well bred stock. Dr. P. L. Krells & Son, Benjamin, Pa. 3-5

SINGLE COMB WHITE LEGHORNS. Mail this ad to me with 75c for 15 selected eggs from a pen of snow white birds. Free circular. E. L. Keith, Mount Vernon, Iowa. 4-3

ROSE COMB BROWN LEGHORNS exclusively from prize winners, extra large stock, low combs, great layers. Eggs, 15 for \$1; \$4 per 100. James Crawford, Cameron Mills, N. Y. 4-3

SINGLE AND ROSE COMB Brown Leghorns, line bred; eggs for sale, \$1 per 15; \$4.50 per 100. Stock for sale. A. T. Davis, Hillshoro, Ky. 4-3

ROSE COMB BROWN LEGHORNS exclusively for 10 years. Eggs for single setting of 15, \$1.25; two or more settings, \$1 each; \$5 per 100; 200 for \$9. T. A. Davenport, Belmont, Iowa, R. F. D. 4. 4-3

FITZ'S BUFF LEGHORNS—At the great Lynn Show I won 19 ribbons on 13 birds; 1st cock, 2d and 4th hen; 1st and 2d cockerel; 1st, 2d and 3d pullet; 1st pen special for best shaped male and female; special for best colored male and female; and club ribbon for best cock, cockerel and pullet. Eggs, \$2 per 15; \$5 per 45. Josiah Fitz, 4th, Box E, Chester, N. H. 4-3

SINGLE COMB White Leghorns—Fifteen eggs 75c, fifteen hen-hatched chicks (we send sufficient chicks), \$3; \$15 per hundred.—Meadow Poultry Farm, Coulterville, Ill. 6-1

SINGLE COMB WHITE LEGHORN COCKERELS, 75c; Barred Plymouth Rock Cocks and Cockerels, \$1. Fifteen eggs, 75c; 45, \$2; \$4 per 100. Meadow Poultry Farm, Coulterville, Ill. 3-4

OUR SINGLE COMB BUFF LEGHORNS are money-makers. Eggs remainder of season, \$1 for 15; \$5 per 100. Write us. Westview Poultry Yards, Box 11, Machias, N. Y. 6-3

RESULT BRINGERS—Single Comb White Leghorns, Blanchard's, laying strain. Pens \$5, trios \$3, cockerels \$1.50; extra fine \$2; extra choice eggs 15, 75c; 100, \$3. H. C. Beebe, R. 5, Canton, Ill. 6tf

SINGLE COMB BUFF LEGHORNS. Standard strain. Breeding pen contains solid colored birds. Two pullets scoring 95½ each, cock bird 94½ (bred to lay), eggs \$2 for 13. Clarence C. Woodcox, St. Joe, Sta., Ind. 2-tf

SINGLE COMB WHITE LEGHORNS exclusively, farm range. Won Macon County Poultry, Pet Stock Association, Decatur, Ill., first, third cockerel; first, second, third, fourth pullet; first, second pen; first pair chicks. Eggs from prize winners, \$2.00 per setting; from balance flock, \$1.00; cockerels for sale; satisfaction guaranteed; correspondence solicited. Wilbur Kiser, Hammond, Ill. 1-6

H. M. MOYER, SPECIALIST.—S. C. Brown Leghorns. Stock and eggs. Circular free. H. M. Moyer, Route 2, Bechtelsville, Pa. 11-04-12

SINGLE COMB BROWN LEGHORNS. High scoring stock. Eggs, \$1 for 15; \$1.75 for 30. Mrs. Jay W. Prestou, Griswold, Iowa. 4-3

SEVENTY BUFF LEGHORNS, shown at Schenectady, N. Y., and our birds win 8 regular prizes on 11 entries; also grand special for best display; 25 elegant males and females at cut prices. Eggs until July, \$2.00 per setting. Bred in line 12 years. Address Talbot & Gilson, Edmeston, N. Y. 4-3

S. C. W. LEGHORN eggs, 15, \$1.50; great layers. Minnie Troy Ridings, Whitehall, Ill. 4-3

SINGLE COMB BROWN LEGHORN eggs, 5c each; from fancy, healthy, heavy laying stock. Jas. R. Hod, R. D. 1, Oakdale, Ill. 4-3

SINGLE COMB WHITE LEGHORNS—Eggs, 15, \$1; Wyckoff strain; vigorous stock. E. C. Henline, Hampton, Ill. 4-3

S. C. BROWN LEGHORN Eggs, 15, \$1; 50, \$2.25; 100, \$4. J. N. Sisson, Valley Crossing, Ohio. 4-3

\$3 FOR 100 EGGS, Buff and White Leghorns. Special matings, \$1.25 per 15. \$2.50 for 45. C. R. Reynolds, Ft. Atkinson, Wis. 4-3

BROWN LEGHORNS—First cockerel, second pen, at the World's Fair at St. Louis, Mo.; eggs, \$2, \$3 and \$5 per 15. Free circular on matings and winnings. E. E. Carter, Knoxville, Tenn. 4-3

S. C. WHITE LEGHORNS—The Wm. Penn strain, a line of blood that has produced New York winners. Unexcelled layers. Eggs, \$1.50 per setting. Exmoor Farms, Lebanon, Pa. 4-tf

R. C. B. LEGHORNS—Tucker-McKenzie strain Houdans; \$4 trio; 13 eggs, \$1. Rolt. Mears, Petersburg, Mich. 4-3

SINGLE COMB BROWN LEGHORNS—Blue Ribhou strain. Before you buy, send for my 16 years' show record. Eggs, \$1 for 15. C. F. Lang, La Crosse, Wis. 4-3

SINGLE COMB BROWN LEGHORN—Eggs, \$1.50 per 15 and \$7.00 per 100. David B. Hastings, New York Mills, N. Y. 4-3

SINGLE COMB WHITE AND BROWN LEGHORNS—Leading prize winning strains. Eggs, 7c. W. E. Ritter, Williamsport, Pa. 3-4

SINGLE COMB BROWN LEGHORNS EXCLUSIVELY—Eggs, \$1, 15; \$2.50 50; \$5, 100. Dave Glatfield, Peoria, Ill. Rural 34. 5-3

AMERICA'S Best Single Comb Buff Leghorns, Arnold's and Lamons' strains. Eggs, \$1 per setting. Stock for sale. Buff Leghorn Poultry Yards, Annville, Pa. 5-3

ROSE COMB WHITE LEGHORNS—The great egg machines and winter layers. No frosted combs. Eggs, \$1 per setting. O. G. Luhrs, Marathon, Ia. 5-3

COCHINS.

PURE RICH LEMON BUFF COCHINS—Best of shape, size and feathering; stock all sold; eggs, \$1.50 for 15. Luther Ulum, Keswick, Iowa. 4-3

BRAHMAS.

FAMOUS LIGHT (HEAVY WEIGHT) BRAHMAN—Eggs, \$2 per 15. If you want something fine address Chas. Nellis, Washington, Ind. 4-3

LIGHT BRAHMAS—Egg Laying Strain. Careful matings. All stock sold. Eggs, \$2.00 per thirteen; from selected pens, \$5.00. Unfertilized eggs replaced. Satisfaction guaranteed. Albert Fletcher, Jr., Warrenton, Va. 4-3

LIGHT BRAHMAS EXCLUSIVELY—Winners wherever shown. Eggs from 7 grand matings, \$3 for thirteen. Write for mating list. Balch & Brown, Manchester, Conn. 4-3

LIGHT BRAHMAS—Eggs from prize winners \$1.00 per thirteen. H. G. Schoening, Dayton, Ohio. 4-3

LIGHT BRAHMA eggs from choicest matings, \$1.50 per setting. From flock at large, \$1. Philip Thorwarth, Charter Grove, Ill. 4-3

LANGSHANS.

BLACK AND WHITE LANGSHANS—Celebrated winners Hagerstown, Syracuse, Louisville, Newark, Saratoga, Poughkeepsie, Dayton, Cincinnati show and breeding specimens. Eggs, \$3 and \$2 per setting. Expressage prepaid. George Bealer, Nicholasville, Ky. 4-3

BLACK AND WHITE LANGSHANS—Eggs, either variety, \$1.50 for 15. A few fine black cockerels for sale at reasonable prices. Satisfaction guaranteed. Mrs. A. M. Mathewson, Geneva, Neb. 5-3

EGGS from properly mated Black Langshans, \$2 per setting. C. H. Seales, Leominster, Carrier No. 2, Mass. 4-3

BLACK LANGSHAN EGGS—Fifteen, \$1.50. Best strains. Minnie Troy Ridings, Whitehall, Ill. 4-3

MINORCAS.

WHITE MINORCAS—At the greatest Chicago show, ours won 1st, 2nd, 3rd pen, 1st cock, 1st 2nd, 3rd, 5th cockerel, 1st, 3rd, 4th, 5th pullet, 2nd, 3rd, 4th, 5th hen and 2 silver cups. Their chicks 2 months old, \$3 per dozen. Imported and other breeders, \$2 each. S. A. McWilliams, 3456 Michigan Av., Chicago, Ill. 3-11

WHITE MINORCAS in all their purity. Standard bred, great egg producers. If you want the best get prices on eggs. M. L. Armstrong, Smethport, Pa. 4-3

ROUNDS' "IDEAL BLACK MINORCAS."—Twelve splendid matings, \$3, 15; \$5, 30; (free range sittings, \$1.50.) Spring Water Poultry Farm, Oweushoro, Ky. 4-3

SINGLE COMB BLACK MINORCAS exclusively. Stock scoring 93% to 96 by Judge Emery. Eggs, \$1.50 per 15; \$8 per 100. Hens for sale. B. Moenning, Quincy, Ill. 4-3

ROSE COMB BLACK MINORCAS—Bred from Madison Square winners, direct from Campbell. Eggs, \$3 per 15; \$5 per 30. Wm. F. Weinrich, Granite City, Ill. 4-3

S. C. BLACK MINORCAS exclusively, pens headed by 9 and 10 lb. cocks, line bred and standard fowls. Eggs, \$2 per setting. Fertility guaranteed. M. L. Shaffer, 81 W. Pine St., Gloversville, N. Y. 4-3

FORD'S HIGH-CLASS BLACK MINORCAS. Eggs, first order from any locality, 15, \$1.00; 30, \$2.00. Stock for sale. L. B. Ford, Wade Mill, Ky. 5-3

S. C. B. MINORCA EGGS. Champion strain, \$1 for 13 eggs, Peter P. Stekelee, Muskegon, Mich. 5-3

ROSE COMB BLACK MINORCAS—Eggs for hatching from eight choice pens, \$2 per 15; \$3.75 per 30; \$5.00 per 45. Also Barred and Buff Rock eggs same price. Few Minorca cockerels for sale. Jay Dayton, Sodus, Mich. 5-3

ORPINGTONS.

ROSE COMB BUFF ORPINGTONS and Buff Rocks for sale. Orpington and Rose Comb White Minorca eggs \$1.50. Rocks \$1.00. B. Wenk, Washington, Ill. 6-3

SINGLE COMB BUFF ORPINGTONS FOR SALE—40 hens and 5 cock birds, including my best Prize Winners, to make room for young stock. Great bargains if taken at once. Will H. Schadt, Secy. National Single Comb Buff Orpington Club, Goshen, Ind. 6-3

S. C. BUFF ORPINGTONS—3 pens; Buff Wyandottes, 2 pens, 15 eggs, \$2. S. C. R. I. Reds, 3 pens, 15 eggs, \$1.50. Three best flocks owned by any one man in state. "Phillips" Sunny Side Hill Poultry Yards, Amsterdam, N. Y. 3-05-1yr

WHITE ORPINGTONS FOR SALE—As we are going to breed R. I. Reds exclusively we will offer all our White Orpingtons for sale, including our World's Fair winners, at a great bargain. Birds scoring up to 95%. C. N. Hansen, Warsaw, Ky. 5-11

I WON 42 prizes on 37 entries at four shows this season on my S. C. Buff Orpingtons, including 8 firsts, 9 seconds, and 10 specials. Book orders for eggs now. Circular free. Also S. C. Black and White, Boston Terrace Poultry Plant, Mt. Carmel Center, Conn. 5-3

ROSE COMB BUFF ORPINGTON—Now is your chance to get some good stock cheap. A pen of Cook birds. Pen from Williams & Co. Eggs, \$2 setting. J. W. Andrews, Dover, N. J. 6-3

FOR SALE—Single Comb Buff Orpington Chicks from exhibition stock. Write for prices. E. B. Lyharger, 32 Mack Ave., Shelby, O. 6-3

S. C. BLACK AND BUFF ORPINGTON eggs for hatching, direct from my prize winners. C. A. Watling, 36 E. Bayard St., Seneca Falls, N. Y. 3-4

WHITE ORPINGTONS—Imported direct from Wm. Cook in 1903. Pure white, large size, correct Orpington type and prolific layers. Eggs, \$2.50 per 15; \$4.50 per 30. O. Keller, Winamac, Ind. 4-3

ROSE COMB BUFF ORPINGTONS. Bailey and Beatty direct. Eggs from choice matings, \$2 for 15. W. B. Ganiard, Delta, Ohio. 4-3

RHODE ISLAND REDS.

ROSE COMB RHODE ISLAND REDS. Choice stock. Eggs for sale, \$2 per setting. Chas. Hawn, 169 Cochran St., Blue Island, Ill. 4-3

SINGLE COMB REDS. Eggs, \$1 per 13 from my pen, headed by a "Hansen" prize winning cockerel. Extra quality. Harry R. Crane, Medoto, Ill. 4-3

S. C. R. I. REDS on two entries at Chicago won first and second pullet, and on five entries at Danville, Ill., won first cockerel; first, second and third pullet. Eggs, \$2.00 per 15. F. M. Malone, Cayuga, Ind. 5-5

ROSE COMB RHODE ISLAND REDS—Exclusively. Winners at Madison Square Garden and Herald Square, New York; Newark, Trenton, Atlantic City, N. J. Eggs for hatching. Send for circular. Louis Anderson, Bloomsbury, N. J. 5-2

ROSE COMB RHODE ISLAND REDS—Good thoroughbred stock. Choice eggs, \$1.50 per 15. Extra special rates by the 100, Edison Collie and Poultry Farm, Edison, Ill. 4-3

DON'T GUESS—Get genuine Rhode Island Reds—a mortgage-lifting certainty. Eggs, \$2 for 13, \$5 for 40. Finely illustrated circular. Drisko Farm, Addison, Me. 4-3

RHODE ISLAND RED Rose and Single Comb Partridge Wyandottes. Special mated eggs, \$1.25 per 15. Circular. Standard Club members. Incubator eggs. Before placing order, write us. Rhode Island Red Poultry Farm Co., Malden, Mass. Mention A. P. J. 1-8

WE HAVE WON more first prizes in strong competition than any other breeder of Reds. Send for circular of winnings. Stafford Bros., Fall River, Mass. 3-4

BUCKEYE REDS.

BUCKEYE REDS—Pea Comb Buckyeyes are the largest, darkest Reds. Best layers. Booklet free. Red Feather Farm, Warren, Ohio. 3-5

RED CAPS.

EGGS—From English Red Caps; also from Wild Black Ducks and Pekins. T. M. Stevens, Pennellville, N. Y. 4-3

SPANISH.

WHITE FACED BLACK SPANISH—Eggs from selected stock, 15 for \$1. Adeline Harnaden, Water Valley, Ark. 4-3

HAMBURGS.

SILVER SPANGLED HAMBURGS—Superfine, everlasting layers. Eggs, 15, \$2; 30, \$3. No stock. Will L. Clark, Sullivan, Ohio. 4-3

SILVER SPANGLED HAMBURGS—Won at every show season 1904. Eggs per sitting, \$2. Ed. Evans, Nelsonville, O. 4-3

HAMBURGS, SILVER AND BLACK—Sometimes called the egg laying machines. Eggs from yards headed by New York winners, \$1.50 per sitting. Exmoor Farms, Lebanon, Pa. 4-11

HOUDANS.

HOUDAN & S. C. W. LEGHORN EGGS—\$1 and \$1.50 per 15. Bred to win and lay, and do it. Oscar E. Henning, Wahoo, Neb. 4-3

STANDARD BRED HOUDANS—WINNERS wherever shown—two pens mated up, containing World's Fair winners, 1904—1st, 3d and two 5ths; four 1sts in Missouri, and 1st, 2nd and 3rd Chicago, 1905. Eggs, \$3.50 per 15. Fred Graf, 16 N. 4th St., St. Louis, Mo. 4-3

ANDALUSIANS.

ANDALUSIANS—Not too late to hatch them. I hatched several winners last July. Show record and mating list free. L. C. Taylor, Gibsonburg, Ohio. 5-3

ANCONAS.

BEAUTIFUL ANCONAS, grand in standard and utility qualities. Splendid layers, winter and summer. Best winter layers, big white eggs. Catalogue free. O. S. Evans, Roxbury, Ohio. 5-3

KLONDIKES.

FINE STOCK EGGS FOR SALE—Catalogue free. Klondike Poultry Yards, Maple Park, Ill. 4-3

FAVEROLLES.

SALMON FAVEROLLES—The perfect utility fowl. Sure to become very popular when better known. Imported stock. Winners New York, 1905. Circular free. "Wiseacres," Croton-on-Hudson, N. Y. 5-1

POLISH.

WHITE CRESTED BLACK POLISH EGGS that will hatch, from St. Louis World's Fair prize winning stock, \$5.00 per setting; two for \$9.00. Circular free. Geo. W. Trent, Ravenswood, Ill. 5-1

GAMES.

PIT GAMES—See ad. page 263. V. C. Haskell, Zanesville, O. 3-11

RED PYLE AND BLACK BREASTED RED—Show winners. Eggs, \$2. Circular free. Frank West, Darlington, Wis. 4-3

ONE HUNDRED PERCENT better than ever. Eggs \$1 per 13. Heathwoods, Irish Blk. Reds, Ternadoes, Irish Grays, Cornish Indians, \$2. White Indians, \$3. Circular free; fowls all times. C. D. Smith, Fort Plain, N. Y. 2-5

WORLD'S FAIR WINNERS in Pit Games. Exhibition Game Birds and Eggs for sale. Wesley Lantus, Greensburg, Ind. 5-3

INDIAN GAMES.

CORNISH INDIAN GAMES—We have bought the entire stock of Bicknell and Whiting eggs from special matings of these celebrated birds, headed by males that have never been defeated in a show, \$3 per sitting. Exmoor Farms, Lebanon, Pa. 4-11

CORNISH INDIAN GAMES—Bred to weigh and lay. No stock. Eggs, \$1.50 and \$3 per 15. Write your wants. Ralph Reider, Middletown, Pa. 4-3

BANTAMS.

WON MORE FIRST prize Pan-American on Golden and Silver Sebrights than all my competitors combined. Buff, Black and Partridge Cochins bred to win. Eggs, \$3. Clyde Proper, Schoharie, N. Y. 4-6

LIGHT BRAHMA BANTAMS. World beaters. History records the fact that Orr's Light Brahma Bantams won more firsts at the World's Fair than all my competitors combined, also at Madison Square Garden. Satisfaction guaranteed. D. Lincoln Orr, Box 5, Orrs Mills, N. Y. 6-11

WHITE COCHIN BANTAMS—Eggs from prize winners at \$1 per sitting. Jos. H. Gochnauer, Jr., Landisville, Pa. 4-3

PHEASANTS.

PHEASANTS—100 Golden Pheasants, \$3.50 per pair. Other varieties cheap. Eggs in season, 40 Peafowl, \$11 pair, 1,000 Homers, 95 cents pair. Ferd Sudow, Hyde Park, N. Y. 1-6

ENGLISH AND GOLDEN EGGS. Blood and beauty unsurpassed. Breeding from last year's imports. Two complete treatises on rearing with each order. Stamp. R. Kistler, Delaware Water Gap, Pa. 4-3

ORNAMENTAL.

ORNAMENTAL LONG-TAILED Japanese Phoenix Fowls. Cock's tail 3 to 4 feet long; saddle feathers, 18 inches. Good layers. Eggs, \$3 per setting. Stamp for illustrated booklet. S. G. Egger, Rural, Lewisville, O. 4-3

SEVERAL BREEDS.

FOR SALE—Eggs from my Chicago winners, White Rocks, Barred Rocks, White Wyandottes, Silver Wyandottes. Send for catalogue, price and winnings. Ames Orr, Dwight, Ill. 4-3

LIGHT BRAHMA AND PEKIN DUCKS. Having greatly improved my stock the past year. I offer a few fowls for sale; eggs for hatching; my ducks have the use of a fine stream which greatly adds to the fertility of eggs; \$1 per setting, \$1.75 per two settings; special figures for large orders. Mrs. O. W. Mack, Light Brahma and Pekin Duck Farm, Brodhead, Wis. 4-3

HOMESTEAD POULTRY FARM. Eggs for hatching of pure bred poultry at \$1.75 per 15 eggs of Buff and Partridge Cochins, Buff and White Plymouth Rocks, Buff Wyandottes, Black Minorcas and Light Brahmas. Ames Cooper, Prop., Landisville, Pa. 4-3

HOMESTEAD POULTRY FARM. Eggs for hatching of pure bred poultry at \$1.00 per 15 eggs of Buff and Partridge Cochins, Buff and White Plymouth Rocks, Buff Wyandottes, Black Minorcas and Light Brahmas. Ames Cooper, Prop., Landisville, Pa. 4-3

EGGS. Buff Wyandotte, from high scoring birds, and Barred Rocks. Hawkins & Thompson strain, \$1.50 per 15. Mrs. H. C. Terry, Jerseyville, Ill. 5-3

DOUGHERTY'S BARRED ROCKS have the size, shape and barring. Eggs, selected pens, \$2.00 per 15; farm run, \$1.00. White Wyandottes, \$1.50 per 15. Jas. F. Dougherty, "The Chicken Man," Rockton, Ill. 5-3

MR. and MRS. HENRY SHRADDER, breeders of W. Emden, Geese, W. H. Turkeys, W. Pekin Ducks, White P. Rocks, Black Langshans, Eggs and stock in season. Waumeta, Kan. 5-3

POULTRY BOOK ON APPROVAL.—Our new 128-page poultry book sent on 10 days' approval. Send 4c in stamps to pay postage. If the book is not what you want you can return it. Send today. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

WHITE ROCKS AND PEKIN DUCKS EXCLUSIVELY.—Fisher and Shaw's strain. Eggs, \$2 per setting. Mrs. Frank Berceaw, Paris, Ill. Route 5. 4-3

EGGS—Guaranteed fertile. Single White Leghorns. Best pens. \$2 per 15; 100, \$5; White Wyandottes, \$2 per setting. Annie Stewart, Cantril, Iowa. 4-3

EGGS FOR HATCHING.—S. C. Brown Leghorns (Witman strain) 15, 75c; 30, \$1.40; 100, \$4. White Wyandottes (Duston strain), 15, \$1.25; 30, \$2. S. R. McCulloch, Box D, Dounellson, Ill. 4-3

PRIZE WINNING HOUDANS.—Cornish Games, White Wyandottes and Blue Andalusians. Eggs, \$1.50 for 15. G. H. Schackmann, Newton, Ill. 4-3

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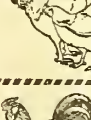
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First Hen, New York, 1904



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She'll coin a mint of money when she can get the right kind of food. **Cut Alfalfa Hay** is the green food the hen needs to make eggs in the winter, when eggs are like golden nuggets. It pays to feed it. We sell everything the poultry-raiser needs to make money. Write for free catalog. **Harvey Seed Co., 30 Ellicott St., Buffalo, N. Y.**

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EGGS FROM MY PRIZE WINNING BARRED PLYMOUTH ROCKS

\$3.00 per setting; two settings \$5.00. Circular free.

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Coldwater, Michigan

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Kayes' S. Black Minorcas

A strain of heavy layers. At the great Chicago, Dec. show, 1904, won 1st cock, 1, 2 cockerel, 1, 2, 3 hens, 1, 2, 3, 4, pullets, 1st pen. Chicago Jan. show, we took nine regular premiums. We have won more prizes at Chicago the past season than any other Black Minorca breeder. Eggs \$2 per 15, \$10 per 100. **A. B. KAYE, Kaye's Park, R. F. D. No. 2, Walworth, Wisconsin**

RHODE ISLAND REDS

Are the greatest layers and make the best broilers of any breed. EGGS from improved stock, **Rose and Single Comb**, farm raised, \$1 per 15, \$4.50 per hundred, \$45 per thousand. Special discount on 5000 egg orders.

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is the best food for Little Chicks. When fed on this food for the first 6 to 8 weeks, they grow very fast and strong, and you can raise every one that's hatched. A complete food, but no Grit or Oyster Shells. You add that yourself. Prices, 3 lbs., 15 cents; 5 lbs., 25 cents; 10 lbs., 45 cents; 25 lbs., \$1; 50 lbs., \$1.75; 100 lbs., \$3. Our new 208-page catalogue free. Send for one.

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Judge S. T. Lea says that "Alice White" is the most beautiful and nearer perfection than any bird he ever handled in 30 years judging poultry.

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BRED TO WIN—AND DO IT

We offer a prize of \$50 in gold for best pair, (cockerel and pullet) Free circular which explains, on request. The Gaines White Rocks won at Charleston, S. C., Nov. 21 to 26, 1904. Pullets, 1st, score 97 1/4; 2d, 95 1/4; 3d, 95 1/4; tie 4th, 94 3/4; also 3d pen. Male birds all in bad feather. Eggs for hatching but no stock for sale till fall

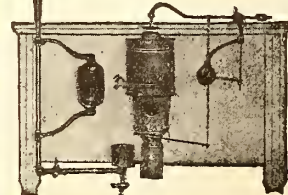
E. H. GAINES, Prop., GAINES' POULTRY YARDS, GAFFNEY, S. C.



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Cut Incubator Expenses IN TWO

ACME SPECIAL BURNERS are made in two sizes, No. 1 and No. 2. No. 2 makes more heat and light than any No. 3 burner, and uses 20 per cent less oil. The **Acme Trip Burner** saves 1/2 the oil because regulator turns flame up or down. Can't overheat or char the wick. It requires no trimming, is twice as thick as other wicks, and encased in seamless metal tube with composition burner tip. No smoke, no soot, no offensive odor. These wicks are for **Acme Burners** only, and last 30 to 60 days for incubator use and 12 to 18 months for ordinary house use. **Acme Burners** fit any lamp. Give size of lamp collar when ordering. The **Acme Automatic Gas Valve** saves 75 per cent of gas for incubator use. Regulator turns flame down or up. Burner tip can be located any distance from valve. **Acme Burner** with wick, either size, prepaid, 75c. **Acme Trip Burner** with wick, either size, prepaid, \$1. Extra wicks, either size, prepaid, 10c each, 3 for 25c.



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will make your old machine do better than it ever could do, besides save you many dollars and much annoyance. Its combined damper and flame regulation alone saves half the oil. Its burner saves danger from fire—can't overheat. Its wick saves trimming—never needs it. Its regulator controls both flame and damper (see cut); this avoids too high or too low a flame. It makes hatching or rearing pleasurable and profitable. Sold separately or together. Fits any machine; any one can attach it. Send for catalog giving detailed description and our full line of fixtures, including illustrated plans for building the famous Peerless Incubators and Brooders. Nearly 100 photographic views showing step by step every stage of incubator construction. This book is worth a good dollar of any man's money and is sent merely for the asking. Write your name and address on a postal now and mail to us.

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AMERICAN POULTRY JOURNAL.

MY ROYAL BUFF ORPINGTONS

are now installed in their new home on Spring Hill Poultry Farm. Remember I ship on approval and absolutely guarantee satisfaction. EGGS \$5 per 15. CHAS. BENINGTON, Edmeston, Otsego Co., N. Y.

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White Rocks, Pekin Ducks, White Guineas, S. S. Bantams, Bronze Turkeys and Peafowls from

T. R. McDONALD WINCHESTER, KY.

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Largest Specialty Breeders in the Northwest.

Hallock's White Wyandottes

won five out of six firsts at New York.
Stock for sale.

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by the fine weather we had this spring. I have set all the eggs I care to, and on account of the good fertility of eggs have really more chicks than I intended to raise. In order to give you an opportunity to secure first-class eggs cheap I have cut the price in two, and for the balance of this season will sell eggs from my Buff Wyandottes and Ply. Rocks at \$1 per 15. Order direct from this ad and thus save two or three days' time. I have the eggs.

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Eggs from imported and prize winning matings. Mating list giving prices and descriptions. Please write me stating wants.

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Eggs by the sittings or by the hundred from White Wyandottes, White Plymouth Rocks, S. C. White Leghorns, S. C. Black Minorcas, S. C. Buff Leghorns, R. C. B. Leghorns and Cornish Indian Games. Stock for sale at all times. Prices on eggs: Utility matings \$1.50 for 15; exhibition matings, \$2.50 for 15; special matings, \$5 for 15. Incubator eggs per 100 \$5.

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from the best **BUFF ROCKS** write H. Beck, Ravenna, Ohio, for mating circular. Breeding stock for sale after May 15th.

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THE FARMER STRAIN OF Barred Rocks

have been winners twenty eight years. Shall breed ten pens as fine as we ever mated. Eggs in season. Price list free. Mention this Journal.

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OAK BLUFF Lt. Brahmas & Partridge Wyandottes

EGGS for remainder of season from grand matings of Light Brahmas \$2.50 per fifteen, and from my prize winning Partridge Wyandottes \$1.50 per fifteen.

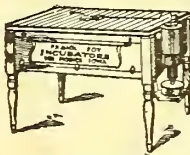
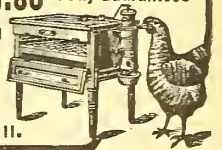
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Send me your name and address and I will send you formula for a treatment that cured me, has cured hundreds and will cure YOU, as surely as day follows night. J. Russell Scott, Jackson, Mich.

200-Egg Incubator For \$12.80 Fully Guaranteed

The wonderful simplicity of the Wooden Hen and the greatly increased production forced by its immense sales, makes it possible to offer this perfect hatcher for \$12.80. Self regulating and guaranteed to hatch as large a percentage of eggs as any other hatcher at any price. Send for the free illustrated catalogue with 14 colored views. GEO. H. STAHL, Quincy, Ill.



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Our new 84-page book for 1905 tells how to make it; also how to breed, feed, grow and market your poultry for best results. This book probably gives more reliable information about the poultry business, obtained from actual experience on the largest farm in America devoted exclusively to the rearing of pure-bred poultry, than any other book published. Describes and illustrates 25 varieties of our pure-bred fowls. Quotes extremely low prices on stock, eggs, incubators and brooders. Mailed for 4c in stamps.

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60 Days' Sale of Golden and White Wyandottes

I offer about 400 head of our this year's breeding birds at less than one-half price out of our this year's matings. This is a rare chance to get some of America's best birds. Our birds have won thousands of premiums at the leading shows for the past eighteen years, including World's Fair, Chicago, Boston, Philadelphia, Buffalo and 300 premiums at Madison Square Garden, New York. If you want fine birds at a great bargain I can supply you. Eggs now from our fine matings \$1.50 per setting straight. Large circular free.

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Box 75, Prospect, Ohio

R. C. and S. C. Rhode I. Reds

Largest and Best Flock in the West

JUNE AND JULY are the months in which to hatch your winter layers. Ten fine pens. No birds in pens scoring less than 90% points. Eggs \$3 per 15. Satisfactory hatch guaranteed. All orders for eggs received during June and July, where the purchaser mentions American Poultry Journal, will be filled at the special price of \$2 per fifteen.

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Send 2c stamp for circular containing origin, descriptions and Standard of this noble variety.

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BY JAMES Shackleton.

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HOUDANS!

For more than thirty-one years Rigg's strain of Houdans has been the acknowledged standard of Houdan excellence by all Houdan breeders and exhibitors at ALL the leading shows of New York, Boston, etc., have drawn largely upon this strain. The record made by the Rigg strain during all these years has never been approached by any breeder.

Mr. Thos. F. Rigg, Iowa Falls, Iowa.

Driftwood Farm, Girdlestone, Md., Dec. 17, 1904.

Dear Sir:—In 1898 I obtained in Colorado three Houdans that were purchased of you. I took them to Brazil, where they were practically unbeaten by the best English strains, to say nothing of breeding a lot of youngsters that hustled their Minorcas in egg production.

WALDO KENNARD.

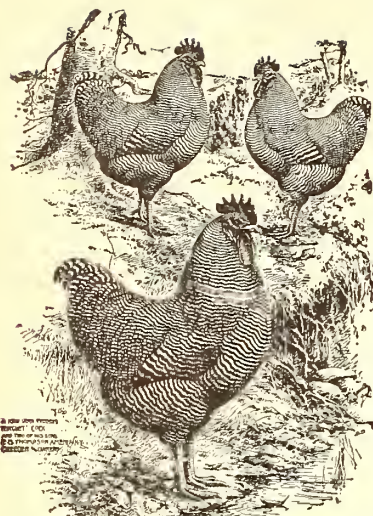
This is the kind YOU want—the large, vigorous, egg-producing, show winning kind. More than 31 years of careful, systematic, line-breeding has given us this magnificent strain of Houdans.

EGGS FOR HATCHING THAT WILL PRODUCE SUCH STOCK

We have no special pens in reserve for ourselves and other pens for our customers. The same pens that supply us with our many winners and magnificent breeding birds, supply our customers with eggs. Price of eggs \$3 per setting, two settings \$5.

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A "Ringlet" 1st Prize New York Cock and two of his Sons.

"RINGLETS" Soar Still Higher.

At the Imperial Show of the Nation, Madison Square Garden, New York, January, 1903.

E. B. THOMPSON'S BARRED P. ROCKS

Stamped their superiority in the most decisive manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen and pullet. This is the third time the "Ringlets" have won this grandest of all trophies, giving them now absolute and final ownership. In this "COLOSSAL CONFLICT" the "Ringlets" lifted the great National Sweepstakes Cup, presented by the American Plymouth Rock Club for best cock, cockerel, hen and pullet. My Barred Rocks won double the number of silver cups and special prizes of any competitor, including the sweepstakes special in gold for best Plymouth Rock on exhibition male or female any variety.

The "RINGLET" World's Record of four years in succession at New York is a page of history. The "RINGLET" World's Record of first on exhibition pen at this great show, three years in succession, is the undisputed champion.

The "Ringlet" clean sweep 1st, 2d, 3d, 4th and 5th prizes on pullets has never been approached at Madison Sq. Garden, and stands alone and unequalled.

The "Ringlets" have won at New York—exhibited by me personally—a grand total of 87 prizes. 36 of these are 1sts and specials, being more than double the number of 1st and special prizes won by any competitor in the history of the show.

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in any number. Rare bargains in yearling breeders in lots of a trio or 100. Show birds fit to win in the fastest company—600 choice breeding cockerels. Richly illustrated 36-page catalogue on application. It is full of original illustrations of New York winners from life. Eggs from finest exhibition matings. One setting \$3, two settings \$9, three settings \$12, four settings \$15. Address

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ROYAL BLUE STRAIN

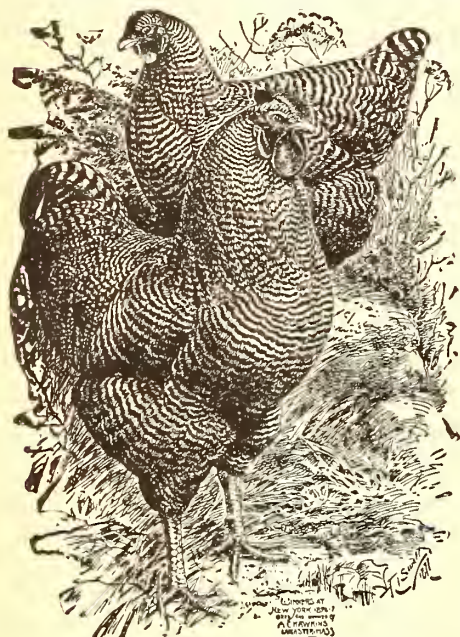
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BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER WHITE AND BUFF.

ECCS FROM PRIZE MATINGS.	
1 Sitting, \$5.	3 Settings, \$10.
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Per 100, \$20.00.	

Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others. My matings this season are the best I ever owned. * * * * *



Winners at New York, from Life.

At the Great National Show, WASHINGTON, D.C., in hot competition with over 300 birds of these varieties, the best that could be found regardless of price, I won 45 Regular and Special Prizes on 39 Entries, including First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show (Bantams excluded), and this on my First Prize Barred P. Rock Cockerel. My winning White Wyandotte cock was pronounced by the judges to be the best they had ever seen. I won twice as many first prizes as all other exhibitors of these varieties. My BUFF ROCKS, at Boston, 1899, in hot competition, won more first and special prizes than all others. My customers are winning all over the country. If you want the BEST, write me. Hundreds of Choice Exhibition and Breeding Birds at Honest Prices. Catalogue of America's finest Plymouth Rocks and Wyandottes free.

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Buff Wyandotte Eggs Half Price

After June first \$2.50 per fifteen eggs from our best stock. We also offer stock from our breeding yards for sale.

IT IS YOUR OPPORTUNITY

to get high-class birds for a small price. Write to-day for particulars.

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Largest Buff Wyandotte Breeders in the World

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World's Fair Prize Winners!

If its grand young stock you want, for breeding or for the show room, we surely have them in the choicest quality and largest quantity we ever produced. Brother, try us, just for your own sake. Give us a chance to show you and help you, for we can, and will honestly and truly guarantee to please you with such as Barred Rocks, Wyandottes, Leghorns, Games, Pekin Ducks, Wild and Bronze Turkeys.

We can supply you with anything in choice Fruit Trees or Poultry Supplies.

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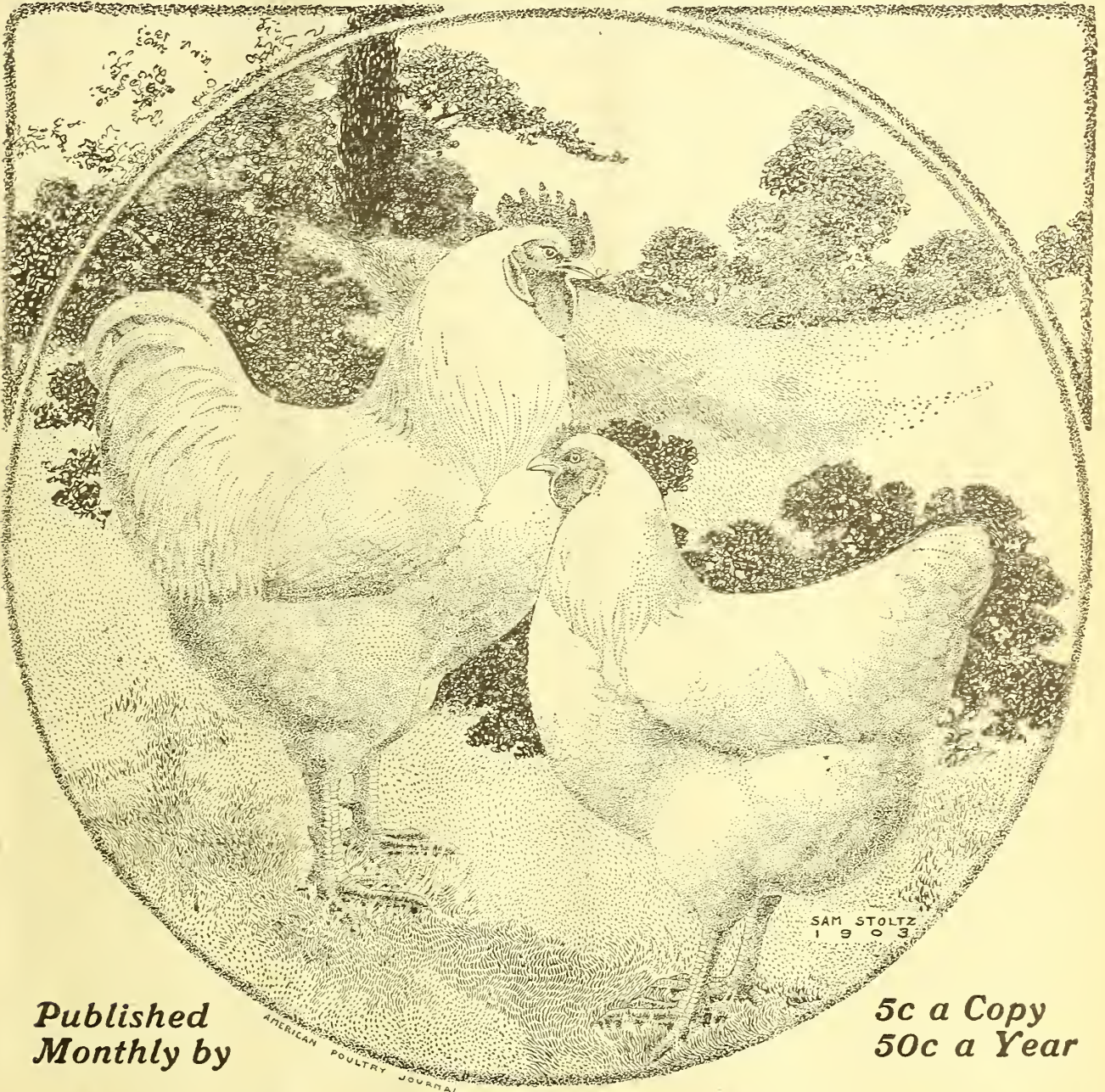
Geo. W. Brown, Prop., Camden, Ark.

AMERICAN POULTRY JOURNAL

Vol. 36

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No. 7.



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GEO. G. BATES, President and Editor.

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Chalk white throughout. Won at Lake Geneva, Wis., 21sts, one 2d, 5 specials, class of 70. EGGS \$2.50 per 15. J. B. BENNETT Ringwood, Illinois

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**White P. Rocks,
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Price reduced to \$1 per setting of 15 eggs for balance of season from our fancy matings. Incubator eggs \$1 per hundred.

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EGGS \$1 per 15

From prize winning stock

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Eggs Eggs Eggs

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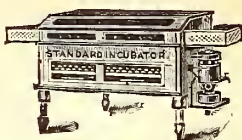
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The one really convenient marker. Bent ready for use. Sizes for any breed. Prices: 12 bands 20c; 30 bands 45c; 60 bands 75c; 100 bands \$1.00. Write for sample—cheerfully sent free.

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PROTECT YOUR FOWLS.

Don't allow them to be devoured by vermin.
**Install Davis Anti-Louse
Roost Brackets**

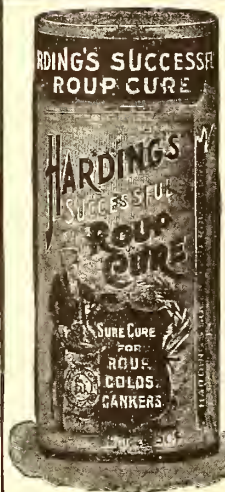
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Made of Beef Scraps, Granulated Grains, Seeds, Charcoal, etc. Fed dry. Always ready. Designed to force half-grown chicks and feed laying hens.

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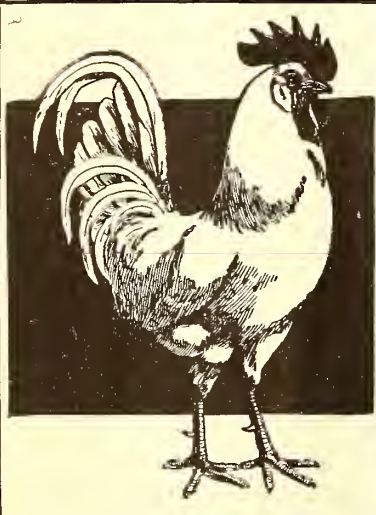
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at the largest poultry show ever held, with the strongest class of Buffs ever brought together, we won seven out of a possible ten firsts. This duplicates our Chicago record, where for four years we have won more firsts than all competitors combined. Circular free.

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Prize Winning Stock for Sale. We will not exhibit any more this season.

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WHITE { **WYANDOTTES** Smith & Arford
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Indian Runner Ducks

A few pens for sale if taken at once, at \$10 each, consisting of one drake and five ducks—one and two years old—a fine opportunity to get started with these money makers.

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Breeding birds from my 1905 pens for sale cheap. Cocks \$5 and hens \$3 each. No flock of Buff Wyandottes in the world have characteristics so well fixed through years of careful breeding. These birds must be taken at once if obtained at these prices.

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No better in the country. 1905 yards broken up and stock sold at way down prices. Write me.

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Root's Strain White Plymouth Rocks

In Breeding the equal of any & In Looks unequaled by any

Young stock for sale after September 1st, ready to win for you in the show room.

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INDIAN RUNNER
WILD MALLARD
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DUCKS EGGS \$2
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White Holland Turkey eggs \$5 per thirteen. Satisfaction guaranteed. Circular.

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Barred and White Plymouth Rocks

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Choice stock for sale from \$2 to \$10 each. Special prices on trios and pens.

EGGS PER SITTING OF 15 \$1.00

Send me your orders. I will treat you right.

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R. C. and S. C. Rhode Island Reds.

Largest and Best Flock in the West

JUNE AND JULY are the months in which to hatch your winter layers. Ten fine pens. No birds in pens scoring less than 90½ points. Eggs \$3 per 15. Satisfactory hatch guaranteed. All orders for eggs received during June and July, where the purchaser mentions American Poultry Journal, will be filled at the special price of \$2 per 15.

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CHARLES C. REID, Mgr., Delaware, Ohio

Send 2c stamp for circular containing origin, descriptions and Standard of this noble variety.

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Reign Supreme at the Nation's Greatest Shows

My record has never been approached by any breeder.

BOSTON, 1900. In world famous competition, 135 Houdans exhibited. I won 1st cock, 1st and 2d pullet.

BOSTON, 1902. Silver cup, 1st cock, 1st hen, 1st pullet, 2d cockerel, all cash specials.

BOSTON, 1903. 100 dollar champion challenge cup for best male in class of 16 birds, 1st, 2d, 3d cockerel; 1st, 3d, 4th, 5th pullet; 1st hen, gold trophy, all cash specials.

BOSTON, 1905. We won every important prize. 1st and 2d cock, 1st, 2d, 3d cockerels, 1st, 2d and 4th hen, 1st, 2d, 3d and 5th pullets; \$100 champion challenge cup for best male; American Houdan Club Cup for best cock, hen, cockerel and pullet. All shape and color ribbons; gold special. Such records prove the superiority of Petersen's strain of Houdans and defies competition.

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Original Cherry Red Strain

Breeders \$1.00. Must have room.
Young stock in the fall.

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Breeding stock for sale. Hens from \$1 up.
Cocks \$3 up. Well grown Pekin Ducks 60 cents each, \$1.50 per trio.

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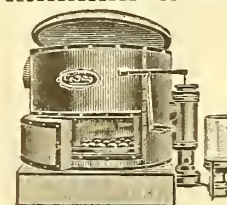
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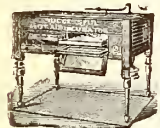
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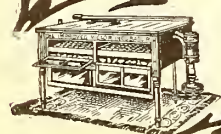
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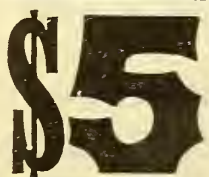


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American Poultry Journal

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

Vol. 36.

Chicago, Ill., July, 1905.

No. 7.

THE QUESTION OF COLOR MIXING.

Under-color of Vital Interest and Importance in the Production of Plumage Color and Markings—The Fancier Must Mix His Colors as Does the Painter and Artist, Being Governed by Natural and Unyielding Laws.

[While Mr. Harrison has directed his argument mainly in the line of Partridge Cochins coloring, his article brings up the question of the effect of undercolor in the production of all parti-colored fowls. This mixing of color matter to produce desired colors and shades is something which has heretofore been given little attention, either by the breeders or the standard makers. It is indeed an important matter, and we hope that fanciers will give the question a thorough discussion in these columns.—THOMAS F. RIGG.]

TO THE EDITOR AMERICAN POULTRY JOURNAL:

A man of very wide experience and probably as keen an observer as there is in the poultry world, recently made this remark: "If one hundred men were each given a good flock of Partridge Cochins within five years ninety-nine of them would have their flocks ruined."

A writer in a recent issue of the *American Fancier*, mourns because many are already dropping Partridge Wyandottes, on account of the difficulty of breeding choice specimens.

About eighteen months ago the publisher of this journal asked the writer if there was anything he knew about breeding Partridge Cochins that he would not be willing to tell the readers of the AMERICAN POULTRY JOURNAL. Being answered in the negative, and assured that the love of the variety far exceeded any selfish interest as a breeder, Mr. Bates requested an article for the January number, 1904. His last injunction was: "Put in as many things as you can that have never before appeared in print—secrets of the trade."

Soon after the appearance of the article the writer received a number of letters from old breeders of Partridge Cochins, agreeing with the points made, some even hinting that some of the statements in the article it was just as well not to make public.

Within sixty days after the article was printed a new breeder of Partridge Cochins, who has gained considerable notoriety during the last three years, on account of prizes won at some of the leading western shows, had articles in two journals, telling how to mate Partridge Cochins. He said he produces exhibition pullets and cockerels from a single mating, using males with dark undercolor.

Another man has published two articles this spring on Partridge Cochins. He is an "old timer" and should know better but here is a quotation from his article in *American Fancier* of March 11: "The present demand for Partridge Cochins makes the use of double mating unavoidable if we hope to produce the best. You must have a line for males and one for females, and never crossmate or intermingle the blood lines for the males; do not pay any attention to the color of the females along exhibition lines. Work for the color of the male, and mate the females of this line to the best colored males all the time, and keep the largest and best of these females for producing exhibition males. By so doing you will build up a color line for producing males that will give better color results each year. We have seen this continued until every feather on the back had a black center, the same as the saddle feathers, and some of the females from such matings had almost black breasts and a hackle almost like the male in color."

Now, I do not refer to these cases to make any personal criticisms, nor because their methods are entirely different from mine. Neither do I refer to them because I know that they are wrong, and that I am right, and can prove it, but because this

involves the whole question of undercolor, and I want to discuss that in this connection.

I have been told by several persons who have visited the poultry shows and poultry yards of England, that the English breeders excel the breeders on this side, in the richness and brilliancy of the color of their fowls; and that they practically ignore the question of undercolor in the show room. We have much to learn from our neighbors across the ocean.

We have, a foolish craze in this country for undercolor. I have not heard of any one being excluded from full dress functions because of the color of his underclothes, but if the ones who set up the standard of dress, were of the same mind as those who make our standard of dress for our fowls, it would be obligatory on one to wear a certain shade of underclothes. Many fine birds dressed in royal robes of the most correct and exacting styles, are debarred from the company of their inferiors, because their underclothes are not the shade some one thought they should be. To an outsider it must look mighty silly.

Did you ever examine the undercolor of a parti-colored bird of gorgeous plumage, whether from the tropics or from our own woods? Did you ever see one with a very highly colored surface, that had an absence of white in the undercolor? No, sir, and you never will.

Did you ever look into an artist's box of colors? Did you notice that his tube of white was larger than any other? Did you watch him paint, and notice how he would mix white in most of his combinations to produce the desired shades? Do you think he could take some red, brown and black paints, and without any white, mix them until he produced a rich mahogany? If you think you can do that, just try it! After a few trials you will wake up to the foolish proposition of having a standard require you to get that result, by mixing colors with your birds and not use white.

There is not a Partridge Cochins breeder in America who claims to produce fine birds of both sexes from dark undercolored males that would want you to go through the files of the express office at his town and let you find out just where his exhibition females did come from. No one can get rich mahogany colored pullets from a dark undercolored male. With an absence of white the colors will not mix and make mahogany.

When I began to breed Partridge Cochins in 1875 the poultry journals contained articles as they do now, saying as the above writer does, that it is necessary for best results to have two pens, one for each sex. I have never bred that way and I never shall.

A man with a pen of Partridge Cochins sends to a breeder who grows his birds on the double mating plan, \$5 for a cockerel for new blood. I wonder if there has ever been a case where the breeder wrote back and told his customer that he could send him a cockerel that would not give him one single pullet that a lover of the breed would have on his place over night, or he could send him one that would not produce one good cockerel in a season's breeding, and ask him which he would prefer? Is one treating a customer honestly if he does not so write?

In my early days as a breeder I got some fine Black Javas. In two years my chicks came with red necks. After eating those with red necks I only had one cockerel left with a black neck. He had considerable white on him. The chicks raised that season were very fine and it taught me a lesson. I never had any more red necks on my black fowls. That experience caused me to lose all fear of white undercolor on my Partridge Cochins.

In going through the files of the poultry journals for the past thirty years you can make a list of hundreds of men and women who once bred Partridge Cochins who do not breed them now. True, tastes will change, but you never saw one of them that

will not now become exceedingly enthusiastic over a fine Partridge Cochin, and tell you that no fowl is more beautiful than a well bred Partridge Cochin, none better on the table, none more easily cared for, none that will stand confinement better, or lay more dollars' worth of eggs in a year, but it is so hard to produce fine specimens.

It does not matter how many breeders object to my position. Anyone may prove which is the right way by trying.

If you will take a standard female and a male with rich dark standard surface color, but white undercolor, you will get half of the pullets show birds and one-fourth of the cockerels show birds. Your most valuable males you cannot send to a show on account of some crank making a motion and a lot of disinterested men voting yes, without knowing why they did it. But never mind, keep on breeding and you can show a

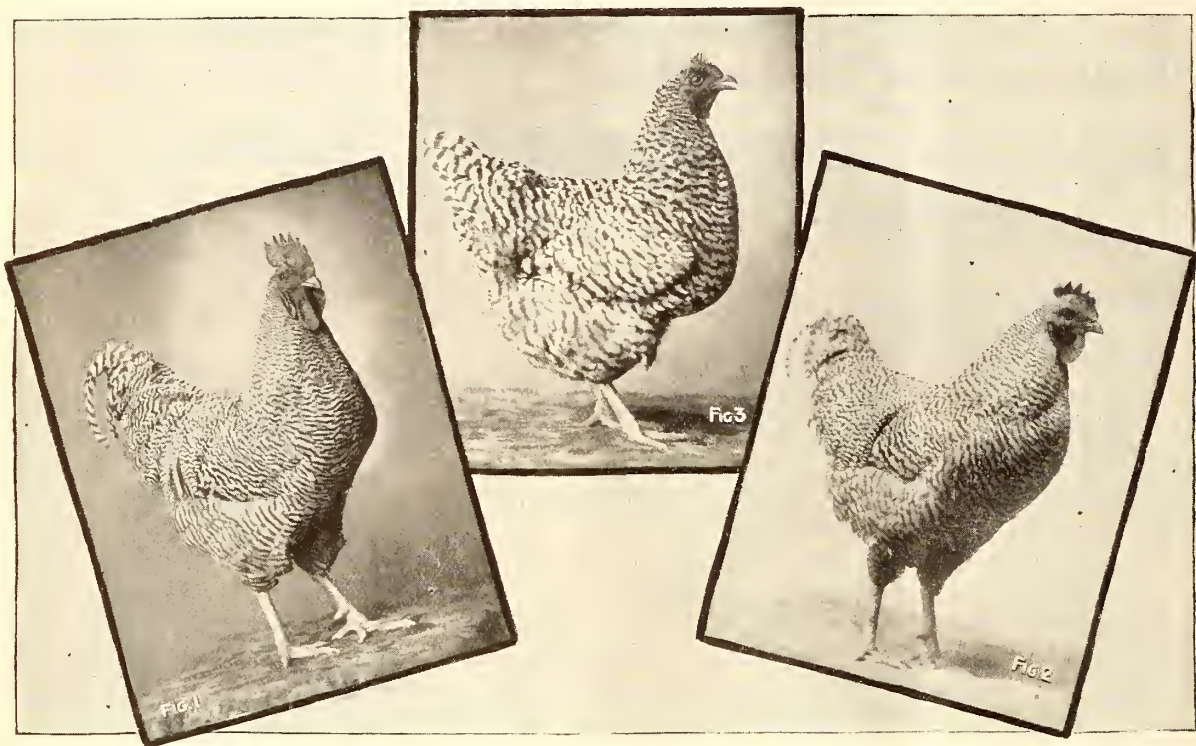
flock such as the one who breeds on the double mating plan never dreamed of owning.

Some writers say to use a male with light surface color for your pullets. If you do that you will spoil the ground color of your pullets. Mix in your light color by having white undercolor that does not show.

I have not bred Partridge Wyandottes, but my opinion is that this same way of mating will produce good results with them. I give this simply as an opinion, as I do not know by experience.

I am of the opinion that this question of undercolor is of the most vital importance in breeding all parti-colored fowls and I hope the day is not far away when one can take his best breeding birds into the show room.

W. H. HARRISON, JR.



BARRED PLYMOUTH ROCKS, AS BRED BY D. T. HEIMLICH, JACKSONVILLE, ILL.

STANDARD BARRED PLYMOUTH ROCKS.

In presenting the three pictures as taken from life I wish to call attention to some essential features that will be called for in the new standard for this variety. Fig. 1, a ten-months' old cockerel, presents in surface barring that is as near right throughout as has been my pleasure to raise or own. Here is the one uniform shade of color and also type of barring almost perfect, but few defects showing. The pose, showing him in a quartering position, does not show the arch of neck; also presents him lacking in breast development. The back, tail, depth of body and length of legs show proper proportions. The comb is a trifle high but points, serrations of proper number, and as a whole well balanced; earlobes and wattles of proper size and quality; beak showing a slight dark streak, which as a rule is indicative of plenty color pigment in plumage that has a well barred under color; eyes large, clear and bright bay. This picture will bear inspection, as it is presented just as the camera and a favorable light caught him.

Fig. 2 presents his sire, a male of the more open type of barring, yet clearly showing the evenness of barring, as the surface shows the regularity of the dark and light barring, giving that "ringlet" effect so desirable and that so greatly adds to the beauty of the barred variety. This specimen's sire was, as Fig. 1, darker and narrower barred. Thus Fig. 2 presents as a breeder of such females as presented in Fig. 3 and which was the winner of first place at the Illinois State Fair in 1903 in a class of over fifty pullets. She in form shows almost perfect, every section blending and harmonizing with every other in proper proportion. Fine head, elegant arch of neck, heavy at cope, a good back and tail, deep, broad

breast, proper length and depth of body, set on legs with straight toes, and in color clear yellow. Every feather has a dark tip. The dark and light bars are a trifle too open, but as each color stands out clear and distinctly the color defects are in the spacing of the barring more than the color as a whole. Fig. 2, as can be seen, thus proved himself a breeder of both good males and females in 1903-4. In 1903 he was mated to a few choice females, whose sire was a male in type and color of Fig. 1. In 1904 he was bred to hens narrow and clear barred, and a few of his own pullets with this same character of barring. With these he produced over 50 per cent choice males and females fit as breeders and for exhibition. I do not desire in making the above statements to leave the impression that this single mating method proves the success or mine and others whose long cherished wish and aim was to produce the highest quality exhibition specimens from a single mating a fully accomplished fact, but it did prove that by breeding related stock that came from carefully made double mating methods, where extremes in what was used as breeding stock had been cut out, that a judicious selection of mates would result in producing an equally high number of first-class breeding and exhibition specimens as are produced from the too common practice of mating extremes to get one sex light and the other dark.

D. T. HEIMLICH.
Jacksonville, Ill.

The poultryman who expects winter eggs from immature or stunted pullets is going to be badly disappointed. It requires good food, good care and a good steady growth from shell to maturity to develop winter layers. A little extra care and attention just now will be well repaid by the full egg basket next winter.

THE SUMMER CHICK AND ITS CARE.

The Best Methods to Pursue in Feeding and What to Feed—Clean, Well Ventilated Quarters an Absolute Necessity to Insure Success.

Written by Rev. C. E. Petersen, Franklin, Me.

A long hard winter and a cold wet spring has again delayed hatching operations, and pushed hatching and rearing of chickens farther away from the usually accepted time for this work, and we find by careful inquiry that at this writing (June) that most of our prominent breeders are still continuing hatching chicks, and that an unusual large number of orders for eggs for hatching are on their books for June delivery.

This means extra care and work to bring to maturity these late hatched chickens, but that it can be done satisfactorily, and is done every year, is proven at our winter shows, where many of the best birds were hatched during June and as late even as the early part of July.

The great thing to keep in mind when caring for late chicks is that feeding must not be carried out to the extent of being almost a cramming process, as the inevitable result will be to feed them off their feet, and therefore it really becomes the paramount issue in the raising of these late hatched chicks to see how fast we can grow them without "feeding them off their feet"—which means without injuring their digestion; and therefore we prefer to keep on the side of safety and not try to force them too fast, which would mean failure in the accomplishment of our object—maturing them before real winter sets in.

Food rich in frame-building material is therefore of first consideration, as the least approach to fattening will hinder bone construction so necessary at this period, so we must so balance our ration that the frame and flesh growth will keep in the right relation to one another. The first food is of much more importance than is generally realized, and especially so by the beginner in the business.

A mistake in the composition of the first food may make so much trouble that it will hinder our prospects of making the chicks take hold of life and begin growth as it ought to begin.

Thousands of chicks are killed every year by making this mistake, and especially so by causing looseness of the bowels by the feeding of a sloppy mess, that in some cases was called "moist" when it was nothing of the kind.

Another mistake frequently made and largely due to the teaching of so-called "poultry science" is to leave the chicks so long without nourishment that they are weakened in the very start, and when food is then finally put before them an impaired digestion is the result, but a mistake may also be made in the other direction by feeding more than is needed the first few feeds.

For the first few days you will find that the hen pays a good deal more attention to keeping her little ones warm than to hunt up a big dinner for them, and we should do the same.

Where brooder chicks are to be handled the question of warmth is one of considerable importance.

We have read heaps of rubbish on the question, and most of it by men that knew little about and cared less for the welfare of chickens.

Little chickens need warmth, and must have it supplied in the months of June and July, as well as in the early spring months, and any well constructed brooder will give the chickens a chance to suit themselves in this particular, the heat being graduated according to the distance they are away from the hover, but the warmth under the hover we keep about 100 degrees, and when the little ones need a little brooding they can run in under the hover and get it in a very few seconds, the same as under the hen, which keeps her temperature the same at all months in the year, and not subject to change. As long as artificial warmth is needed it must be supplied in the right amount needed, and the hen is our best guide in this matter.

As to what method to pursue in the feeding of little chicks and what to feed I have found in my own experience that the so often quoted advice, "Feed a little and often," is not true to the letter, nor conducive to best results, as in most instances this means hap-hazard times.

Feed the little chicks all they will eat up clean every two hours, and be sure that the first meal is given at daylight and the last at night as late as it can be given them, even if a lantern is necessary to do it with, as this is of much importance in the raising of late hatched chicks.

As to the feed used—wheat bread soaked in milk and squeezed dry and fed crumbled for the first few days have always given us the best results.

After the first few days we supplement this with fine grain mixtures, and are particularly careful to see that at least one-third of this mixture consists of hulled oats cracked fine.

The first feed should be made out of this grain mixture and also the last, and between these two feeds give soft food, which should be dry and crumbly.

We have for years used "Spratt's Patent Chick Food," and we do not know of any other soft food that will facilitate growth as this food will. It stands unexcelled as a frame builder and the chicks do not tire of it.

Bone dust is used to great advantage and where used with any degree of judgment it is almost impossible to "feed them off their legs."

Where the chicks are to be raised for exhibition purposes, and a little expense is of no consideration, after the chicks are four weeks old feed them once a day with a custard baked in the same way that you would make it for your own table use, only leave out the flavoring.

Green bone finely cut and fed sparingly so as not to induce looseness of the bowels is also an excellent frame-builder.

See to it that cold fresh water and green, succulent food is supplied in abundance from the very start.

And if water is given from the very first the little chicks will not overdrink and cause trouble.

Keep strict attention to green food and water; it is of great importance, and if late in the season you can get at a second crop of clover anywhere get the privilege to cut some of it, for love or money; put it in your cellar on the floor and cover with a foot or more of sand or clean earth, if sand cannot be obtained, and it will keep beautifully fresh, and when the first snow covers the ground you will lengthen out growing time a full month by feeding this almost fresh clover.

These little attentions are the secret of raising to maturity late hatched chicks and overcoming difficulties.

We, of course, have taken for granted that a moderately large run was provided for the late hatched chicks, where they would be unmolested by the other larger chickens; for success with late chickens is not possible except where they can be cared for separately, and all of them of the same size. I know of no better place for this purpose than a small fenced-in orchard. It is the ideal place for our purpose, furnishing everything in the way of shade and shelter.

Where this cannot be had a grass run with all the necessary shade furnished and large enough to not only provide green food, but so as to keep from being fouled by the chicks, will answer. And now a few words as to housing and we have done. Under no circumstances whatsoever put more chicks into one coop than would keep them comfortable and give them moving room on a rainy day.

A few rainy days will breed more trouble than any other thing to a brood of chickens, if kept in a too small coop, leaking and foul with the accumulation of even a few days' droppings, as it is next to impossible to keep such a coop clean during a rainy season, and the chicks would stand a better chance even if left outside to the tender mercies of a two days' rain storm.

Let the coop be large enough to provide for this contingency, and if only twenty or twenty-five chickens are kept in a coop 6x4 feet so much the better for their comfort and your success.

Such a coop will accommodate that many chicks till they are ten weeks old.

Perfect cleanliness in the houses is an absolute necessity, and this should be attended to daily, so there will never be any droppings left from one day to another.

The birds themselves must be examined frequently, and if there are signs of lice dust immediately with a good insect powder and keep it up every two or three weeks all during the summer.

Plenty of ventilation is also a necessity, and where chicks are kept in an orchard well fenced and free from intruders leave them to their own choice in the matter of roosting up until real cold weather sets in.

Any way keep the windows open in the coops during the summer season, and remember that hot, stuffy quarters are detrimental to a successful issue.

Keep the youngsters clean, busy and growing and you will never again say that late chicks are of little real value.

Separate the cockerels from the pullets after they get up to a good size.

DECIDEDLY WINNING COMBINATION.

How Some People Have Derived Health, Happiness and a Competency on the Poultry and Fruit Farm—Experience in Detail of Two Families Who Have Solved the Problem—Figures Showing Outlay and Income and Cost of Stocking and Operating the Farms—Favorable Testimony for the Small Farm Movement.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal

In the May issue of the AMERICAN POULTRY JOURNAL we gave some facts and figures showing how an Iowa man has found poultry and fruit farming a winning combination. That article has brought us a large number of letters of inquiry. It would seem that there are a great many people in the cities and larger towns who are figuring on just such an enterprise.

Mr. David F. Rupp of Sidney, Fremont county, Iowa,

"Acreage of strawberries: Two acres in bearing; also have two acres in young settings, not bearing.

"Raspberries: Fourteen rows, set two feet in the row and rows six feet apart, and fifteen rods long. Same amount of young setting for future bearing.

"Gooseberries: Seventy-five bushes in bearing, fifty bushes not bearing.

"Blackberries: Twelve solid rows twenty rods long, six feet apart.

"Apple trees: Seventy-five trees. Last year first crop. Apple crop here last year was nearly a failure.

"Cherry trees: Forty-five bearing trees. First crop last year. Twenty-five young trees.

"Number of grape vines: One hundred and fifty.

"Cost of help for the year: For picking berries and other fruits, \$250; for other labor, \$50.

"We keep the Buff Cochins fowls. They are easy to handle, always stay at home, give us an abundance of eggs, and there is a big demand for eggs and stock for breeding purposes.



320-FOOT POULTRY BUILDING ON MAY R. POULTRY PLANT, D. T. ROOTS, PROP., CONNERSVILLE, IND.

sends us a report of his operations on six acres of ground for 1904, as follows:

275 bushels of strawberries sold for.....	\$750
Eggs for breeding purposes.....	280
50 bushels of raspberries.....	187
75 bushels of blackberries.....	150
60 bushels early cherries.....	81
40 bushels gooseberries.....	80
10 bushels currants.....	20
300 bushels seedling peaches.....	150
40 bushels apples.....	25
300 bushels sweet potatoes.....	200
50 bushels Irish potatoes.....	12
100 bushels turnips.....	25
1,000 pounds grapes.....	25
1,000 head early cabbage.....	80
\$150 worth of asparagus, early tomatoes, sweet corn, etc.	150

Total sold\$2,215

We immediately wrote to Mr. Rupp for details and particulars. He replied:

"I will add by way of explanation that we have some fifteen acres of land. We have more than six acres in fruit, but the six acres I have reported are all to bearing fruit and vegetables and was accurately measured. I will also add that the ground that bore this fruit I purchased some ten years ago. It was at that time covered with cockle burrs and other foul weeds, and had been cropped to corn for forty years. But I wanted a home in the country. This lay near town and was cheap, comparatively. I put two teams at work and hauled manure which I got in town for the hauling. By the use of this manure and the poultry manure I now have the ground filled with humus, nitrogen, potash and phosphoric acid, and every one is amazed at the great crops we grow. They all tell me we have the prettiest country home in Fremont county. We are happy and healthy and contented. I am 65 years of age and my son 23. We do most of the work."

Mr. Rupp has but fairly started with the poultry. Now that conditions are right this branch of the farm will be given more attention. The idea was—and it is in keeping with the good sense shown by Mr. Rupp and his faithful co-workers, his wife and son—that the farm should become well set to trees and shrubbery, ideal conditions brought

about before the farm was stocked with poultry to its full capacity.

These peoples' experience, here given in detail, affords an interesting study.

The cost of trees and bushes and plants to set out the same acreage as Mr. Rupp has can be ascertained by any reader if he will ask the information of his nearest reliable nurseryman.

* * * * *

Mr. C. S. Gorline, one of the best and most enthusiastic friends of the small farm movement, thus tells of the experience of one man who broke the chains which bound him as a city mechanic:

"Here is the experience of one man, told me less than a year ago, and what John Fisher has done may be accomplished by others. John was a city blacksmith—young, strong and intelligent, but dissatisfied with his lot. A born fancier; his love for his White Leghorn pets caused him no end of trouble with his too near neighbors. He was fond of fruits and flowers, and his little home—paid for by the sweat of his brow—was the best kept in the neighborhood. Year by year went by and John found himself with a family of four children. Increasing expenses made it impossible to lay by anything for old age. The eldest son, fourteen years of age, was well through the eighth grade, and begging to be allowed to seek employment. What to do under the circumstances worried John and his wife—worried them as thousands of other parents, under similar conditions, are worrying today. Many were the consultations held, and many were the plans evolved by these devoted parents. "We must have a farm," decided John, and the little home was advertised and sold. Eight miles from the city blacksmith shop—out beyond the suburbs proper—a little plot of ten acres was found and purchased; the price agreed upon being \$4,000. John had a little more than \$2,000 in cash, \$1,500 of which went to apply as a part payment on the new home.

"When I went in debt \$2,500," said John, "I did not see how on earth I was ever going to pay out, but we determined to risk it. I bought a horse and buggy, a wagon and a cow, and I hired a man for \$20 a month to work on the place. We had a little five-room frame house, a pretty good little barn, and a good well; there were twenty apple trees, and about as many peach trees on the place, and that was all. With the little ready money I had remaining, I bought—

100 two-year-old cherry trees at a cost of.....	\$25.00
100 pear trees	30.00
100 peach trees	25.00
25 plum trees, three and four-year-olds.....	25.00
50 apricots	25.00
Selected strawberry plants for ½ acre.....	100.00
Selected raspberry plants for ½ acre.....	50.00
Selected blackberry plants for ½ acre.....	50.00
Currants set out.....	50.00
Gooseberries	5.00
Selected grape cuttings.....	5.00

A total expenditure for planting.....\$390.00

"And then my money ran out.

"Each morning, winter and summer, I started from home at 6 a. m., and the boy drove me eight miles to my work, and came for me in the evening. It was pretty hard on us in the winter, but we stuck to it. As my means would admit I bought poultry netting, and the hired man and the boy built the runs and poultry under my directions among the little fruit trees, and my White Leghorns thrived and increased. I made enough at the shop to live and pay the hired man. Each year the flock increased and there was ever a ready sale at good prices for the eggs and surplus stock, and often at fancy prices, for before I left the city I had a start from the best birds I could buy.

"Three acres of our place was used for pasture for our horse and cow. Then I found it profitable to buy feed for the horse and we kept two cows. The first year we put in three acres of potatoes from which we realized nearly \$700; the second year we sold about \$50 worth of raspberries and nearly \$100 worth of strawberries. Then we had to have another horse, and the boy and the hired man took turns in going to market. By the end of the fifth year we had our place paid for. Then it was I decided to quit the business I disliked, and I left the blacksmith shop forever.

"I have been on this place ten years and you can see what I have accomplished. We now have a good eight-room brick house, a good barn, and thirty houses and runs in which we keep nearly 500 White Leghorns.

"Here are the figures of my last year's business:

Sale of eggs for hatching	\$ 250.00
Breeding stock sold.....	200.00

Market eggs sold	1,050.00
Strawberries marketed by the crate.....	1,000.00
300 quarts of gooseberries	15.00
400 bushels of cherries	600.00
100 bushels of apples	100.00
50 bushels of choice pears.....	100.00
500 crates of peaches.....	500.00
50 crates of plums	50.00
20 bushels of apricots	40.00
500 boxes of blackberries.....	50.00
500 boxes of currants.....	50.00
500 pounds of grapes	35.00

\$4,040.00

Cost of feed for the year about.....\$1,000.00

Hired man's wages 300.00 | \$1,300.00 |

Leaving a net profit of

 \$2,740.00 |

"We have had a large portion of our living from the garden, the fruit, green, ripe and canned, the butter, eggs and fowls, and we have lived well. When the children need clothes and new shoes, we have the ready cash with which to pay for them. We raise our own pork and kill an occasional beef. We are always busy. Each of the children has an allotted share of the daily work. The eldest boy and the hired man do most of the work, allowing me time to attend to the marketing and to generally oversee the work. Everything is orderly, we are never hurried, and better than all, we have a neat sum in the savings bank. We pick the most of the berries ourselves; the rest are picked by our neighbors on shares, which materially reduces the cost of picking. I would not consider an offer of \$10,000 for our little farm today."

"Here was a total investment of about \$2,000 in actual cash that in ten years had more than paid for itself, and for the improvements, besides leaving a substantial margin as net profit. Here was a combination that is hard to beat—poultry and fruit. The growing chicks are allowed the range of the small fruits which are in no wise damaged by them. The bushes furnish shade and the chicks keep down the insects, and among the raspberries, gooseberries, blackberries and currants the chicks thrive.

"The fruit trees grow in the runs of the adult fowls; the droppings of the fowls enrich the soil in which the trees thrive, and the fallen fruit is consumed by the fowls and converted into eggs. There is consequently no waste."

* * *

It will be noticed that both Mr. Rupp and Mr. Fisher have worked hard for the success they have achieved. Now, they have the problem solved and are financially independent. As Mr. Rupp says, they "are happy, healthy and contented." And what more can a man do for his family—what greater blessing can he bestow upon those dear to him?

There will be failures in the poultry and fruit farm management in the future as there have been in the past, but it is a proposition rich in reward for those fitted for the business.

THOS. F. RIGG.

The show room is the place to prove the quality of your stock. The people who buy want to know what the judge says, not what you say. Now is the time to start to prepare your fowls for next winter's shows! Select the promising looking chicks and give them the care and attention they should have. You cannot prepare a bird for the show room in two or three weeks.

When you see a poultryman begin to get lazy and neglect his fowls it is a sign that the end of his career as a poultryman is not far distant.

The breeder who makes the greatest progress and improvement is the one who can see the good points in the other fellow's birds as well as those in his own. Every one cannot do this.

The hen that moults early is the one that will make the best winter layer. This is a desirable trait, and such birds should be bred from and encouraged in early moulting by giving them food best suited to the purpose.

It is not possible to make a rule for feeding which can be literally and persistently followed. The idea is that no fowl or lot of fowls will eat or require the same amount of food each meal.

Do not be deceived into believing that practical qualities and money points cannot be bred in the same bird. This is a favorite cry with some people who can't raise good ones and who want to sell their culls.

MOLTING.

Nature's Way of Renovating Fowls—Some of the Important Things to do During this Period.

This shedding off of the old and often weather-beaten feathers and the subsequent growth of an entire new coat is probably the severest strain to which all fowls are exposed. There is a greater mortality during the process of moulting than at any other period of bird life.

As a general rule all fowls are subject to an annual moult. This begins in nearly all cases at the close of the breeding season and is fully accomplished, conditions being favorable, in a period ranging between eight and ten weeks.

It will be found by examining the surface of a fowl's body that the feathers grow in various patches with intervening bare spots, or, if not bare, places covered with soft down.

No two fowls look alike while shedding. Some seem to lose nearly all their feathers at once, and hence present a very ungainly appearance, while others accomplish the change more gracefully, and these show various bunches of new feathers in different places, surrounded by the old faded ones.

The quill feathers are shed in pairs, except in ducks, etc., which lose all their quill of the wings at once; hence they

fowl is the ripe seeds of weeds, grasses and grains; also ripe fruits of various kinds, together with tender green herbage, bugs, worms, etc. These all together make a balanced ration.

Water fowl require all the above named foods with the addition of young fish, clams, frogs, etc., but where a large number of fowls are kept on comparatively small premises the natural supply of food will not be sufficient, so it becomes necessary for the poulterer to supply these foods in the form of some substitute in greater or lesser quantities, according to the natural supply, and the closer he follows Nature's plan in manner of supplying these foods, as well as in the variety and quantity of food supplied, the better it will be for his fowls and the more pleasure and profit there will be in owning them.

A good mash for moulting fowls is made of wheat, bran, linseed, meal and cut bones all mixed together, using twice as much of the bran as of the other two foods, and these in lesser quantities in successive order as named above. Twice as much meal as bone. The whole should then be moistened with skimmed milk. This should be fed once a day, preferably in the morning. The composition of wheat bran is as follows:

Water	10.30
Fatty matter	2.82
Nitrogenous substance (gluten albumen).....	12.48



BUFF ORPINGTONS.

First prize pullet at Chicago, January, 1905 and first prize cockerel at Chicago, December, 1904. Exhibited and now in the yards of C. S. Byers, Orpington Specialist, Hazelrigg, Ind.

lose the power of flight for a time—i. e., until the new quills are sufficiently grown.

The care of domestic fowls during the moulting period should consist in a continuation of the general hygienic treatment, which all successful poulterers practice at all times and seasons of the year. It must be remembered that nearly all our domestic fowls not many years back were wild birds and that they have an instinct born in them that teaches them just what and how much to eat to supply the bodily demands whether it be for the growth of new feathers, the production of eggs or any other growth or repairs.

Four important points in caring for poultry during the moult are:

1. The separation of the sex, especially should cockerels be kept away from moulting hens. This is not so important in regard to water fowl and turkeys, as the young of their species do not develop as rapidly as chickens.

2. Facilities for natural exercise. If the fowls are to be penned they should have their food supplied to them in some manner so as to compel them to exercise in securing it. All healthy growth is in proportion to use.

3. A plentiful supply of fresh clean water should be always of easy access.

4. Keep gravel and other hard sharp substances where the fowls can help themselves at will; without this grinding material the fowl would soon die.

Food for moulting fowls should contain a large percentage of nitrogenous matter. For natural food for our dry land

Non-nitrogenous substance (dextrin sugar).....	6.80
Starch	22.62
Cellulose	43.46
Salts	2.52

The average composition of linseed is as follows:

Albuminous substances	24.44
Oil	34.00
Sugar, cellulose	30.73
Ash	3.33
Water	7.50

A large percentage of nitrogen in the form of albumen exists in the gelatin, which is the principal food value of green bones.

The average composition of skimmed milk is as follows:

Casin	40.00
Lactin, sugar of milk	05.00
Salts	.60
Water	54.40

This ration may be varied by using animal meal instead of the green bones. There are various other foods, such as blood meal, dried blood and several patent meat foods, which are all good. Cottonseed cake, linseed cake, rape cake and several other stock food cakes are all highly concentrated nitrogenous foods. Wheat and oats are the best whole grains to feed to moulting fowl. The oats is of a little the most nutritive value, as it contains more albumen. The best way to feed whole grain to moulting fowl is to scatter it among leaves, straw, etc., or, better still, among tender green herb-

age of some kind, so that the requisite amount of bulky food material may be mixed with the grain. This method also furnishes exercise for the fowls.

The gloss of plumage and intensity of color depends largely upon the quality of the food that is consumed by the fowl. While the food which the fowl consumes does not change the natural color of the fowl, yet it has all to do with the smooth, glossy, healthy appearance of the plumage. An experienced observer can tell on looking at a flock of fowls whether or not they are feeding on a well balanced ration.

The claim is made by some active poultry breeders that they have mastered the moulting problem and that they can make their birds moult at the time that suits the breeder best, and also that the period naturally required can be shortened. They claim that by a certain system of feeding, stimulating, etc., that the old feathers may be made to die and drop off at once, leaving the fowl nearly bare. Then it does not take long for the new plumage to mature.

While this may be done to some limited extent, yet poulterers who have the best interests of their fowls at heart will be cautious about using stimulants, etc., lest they impair the vitality and vigor of their birds, and as the only sure way to get pure and fertile eggs for hatching is for the breeder to own and care for the stock that is to produce these eggs, he may find that it will pay best to make haste more slowly and not use unnatural means to hasten the process of moulting, especially with fowls that are to be kept for breeding purposes.

MRS. FLORENCE JEFFRIES.

Cooper, Okla.

FERTILE EGGS---CARE OF CHICKS.

Mr. D. T. Roots, the White Plymouth Rock Specialist, tells Our Readers How to Get Fertile Eggs and How to Feed and Care for Young Chicks.

Almost every year the cry goes up from poultry raisers that the eggs are not fertile and at once the papers are flooded with articles on that subject. Some of them hit the nail on the head and others do not. Having given this subject a great deal of attention during the past five years, I will try and give what I think is the reason for such a variation of fertile eggs from year to year.

First of all, we must go back of the hen if we want fertile eggs. Apparently she may be in perfect condition, and so may the big, strong, rugged man you know; yet in a short time he may be dead of consumption. Trace his ancestry, and you will find out why he died so quickly. Trace the ancestry of the hen and you will find out why her eggs are not fertile and why, if sickness gets the least start in the flock that they die so easily. So I say that if you want good, strong-germed, fertile eggs year by year we must breed from stock that we can trace back for generations and know that rump and kindred diseases have not affected them. At this point I think I hear some of my readers say, "why the eggs from these same fowls were very fertile last season." Yes, and that remark proves my point.

When conditions are all favorable you may have a fair percent of eggs fertile, but when they are not the fowls whose ancestry had rump, colds and other troubles haven't vitality enough to overcome the adverse conditions, and so the eggs do not hatch. Therefore, one of the most important points is to breed from fowls who for generations had strong, rugged ancestors. In my own experience I find that the percent of fertile eggs does not vary but little from year to year.

Now, then, as to the feed question. Outside of the farmers' chickens the great majority of fowls are confined to pens or runs where they cannot get enough variety of food to lay a properly constituted egg. A hen is merely a transformer, just as a steam engine will drive a dynamo and produce electricity, so if you feed your stock a properly-balanced ration she will lay an egg that has the right proportion of flesh and muscle-forming foods to produce a strong, healthy chick that has a desire to live and grow. On the other hand, if she is not fed and had properly-balanced ration she cannot produce such an egg.

I have visited poultry plants where the main food was corn. Now a hen will lay a goodly number of eggs on an exclusive diet of corn; this has been proved by several experimental stations. So I say that the second most important point is to see that your stock is fed properly. The third point is exercise. I formerly thought that the only way to obtain this was to have large yards for the stock. I found, however, that you can produce fertile eggs in a small yard provided the hens are made to exercise. This is a

simple matter indeed. By feeding wheat, bright millet seed, oats and other small grains you can make them scratch enough to give them all the exercise they need. Another point that is not often considered is extra feed for the male bird. In each of my yards I have a tin cup tacked up against the wall so high that the hen cannot reach it; this is kept filled with feed so that the male bird can have all he wants to eat at all times. Still another point is the condition of females. I would rather have a hen too fat than too thin. Keep your hens in good condition rather than half-starved. As for the male bird, you never need be afraid of him getting too fat during the breeding season.

Now a few words about the care of the young chicks, especially those raised in a brooder. I don't expect the readers of this article to agree with me, and in fact even last year I would not have agreed with anyone who would write what I am going to say. I believe that we all keep our brooders too hot. My man who has charge of the incubators and brooders has always claimed that the brooders were kept too warm. This year I told him to go ahead and run them the way he wanted to and we would see how he came out on the first few hatches. In no case was the brooder allowed to go over 90° when the chickens were taken from the incubator. As a rule the heat in the incubator was dropped to about that point before they were taken out. They were then placed in the brooder and as soon as the heat went the least bit above 90° the lamp was turned low. The next day the heat was reduced under 90°, generally close to 85°, and within a day or so it was reduced to 80°. I was tempted several times when I would look in the brooder and see the little fellows bunch together and the heat to only 80° to turn it up, especially when they were not over three days old. I did not do it, however, but simply waited to see how long it would be before bowel trouble commenced among them. Very much to my surprise it did not appear, and I can say that out of all the hundreds and hundreds we have hatched that only occasionally was one troubled with that complaint, and I am sure that it was from some other cause than lack of heat. My brooders are all constructed with a 2-foot pane of glass in the top of the warm side, and they also have a window on the side next to the light. Before placing the chicks in the brooder it was covered nearly an inch deep with chaff and cut clover and their first feed was scattered in it. This means that from the very start they had to scratch and exercise for what they got and there was no time that their crops were overloaded. To this one point I attribute much of the success that I have this season in raising them. Within two or three days they were fed in the cold side of the brooder with the lid raised up, even though the thermometer showed that it was below freezing. This meant that they surely had plenty of fresh, pure air, and when they got the least bit cold they had a fairly warm place to go to. After the first hatch when I changed the chicks to other brooders I always left one of them in the brooder, then when I put the next lot from the incubators there was one leader (as I call him) to show them the way to the outside part of the brooder. I found this thing to be of great help, for he would run out into the open side and, of course, the others would follow him both there and back to the warmer part.

Now as to feed for the first ten days, I use a prepared chick food with the best of results. I also from the first give them all the fresh milk they will drink and a small quantity of green cut bone. After they are ten days old I put them on a mixture of my own and they are kept on this feed until they are old enough to eat whole corn. I give this feed thinking it may be of value to others:

Cracked corn, 20 pounds; wheat, 30 pounds; Kaffir corn, 25 pounds; hemp seed, 2 pounds; granulated bone, 6 pounds; ground beef scraps, 4 pounds; grit, small chicken size, 5 pounds; charcoal, 3 pounds.

The charcoal is ground about the size of a grain of wheat and the finer parts sifted out. As they grow older the quantity of green cut bone is increased, for I aim to build them up with good, big bone and frame. Milk is given them every morning until they are full grown. After the cockerels' combs begin to show plainly I decrease the green cut bone, as it has a tendency to make the combs too large. They are given ample room for exercise. In fact, most of the young birds have the range of the entire farm, and they are not taken up and put in yards until they are entirely grown.

I trust that those who have not had good success in raising their chicks this season will try my plan. If it worked well for me it surely will for you, for like cause always produces like results.

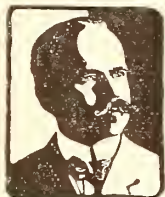
D. T. ROOTS, Breeder of White Plymouth Rocks.
Connersville, Ind.

American Poultry Journal

Issued the first of each month.
Published by

AMERICAN POULTRY JOURNAL PUB. CO.

GEO. G. BATES, Pres.
825 Dearborn St., Chicago, Ill.



GEO. G. BATES, Editor.

THOS. F. RIGG, Associate Editor.

J. W. BELL, Associate Editor.

Subscription 50 Cents a Year—5 Cents a Copy of all
Newsdealers, Chicago subscriptions 60 cents (when
delivered by carriers), Foreign subscriptions \$1.00.

Look at the date upon your wrapper. Many sub-
scribers write to ask when their subscription expires
and many complain because we discontinue sending
the JOURNAL at the expiration of the time for which
it is paid. The date when your subscription expires is
found on the wrapper each month.

AMERICAN POULTRY JOURNAL is the oldest poultry
paper in America. It has a national and world-wide
circulation. The best writers on poultry matters con-
tribute to its columns. It receives the patronage and
endorsement of the foremost representative breeders
of standard poultry and manufacturers of poultry
appliances in the country.

Advertising rates are sent upon request.

36,000 A. P. J.'s for July, 1905.

State of Illinois, County of Cook, ss.

Chicago, June 26, 1905.

James W. Pell, manager of the Recorder Pub-
lishing Company, Chicago, being duly sworn,
certifies that the American Poultry Journal has
contracted for printing and binding thirty-six
thousand copies of the July, 1905, issue.

JAMES W. BELL,

Subscribed and sworn to before me this 26th
day of June, 1905.

BLANCHE ELDER EDDY,
Notary Public.

GUARANTEED SUBSCRIBERS.

To our subscribers the display advertisers of
the American Poultry Journal are guaranteed;
that is, if any advertiser using display space in
these columns is proved to be a swindler, the
American Poultry Journal will make good to
the subscriber the amount lost. We do not
guarantee that men in good standing shall agree
in their opinions; we do not guarantee nature
against infertile eggs, but we do agree that in
case a downright swindler succeeds in swindling
a subscriber, we will reimburse that subscriber
and publish the falsity of the guarantee. We
ask, in consideration of this guarantee, that
our subscribers, when writing to an American
Poultry Journal advertiser, say, in every case,
"Saw your ad in the American Poultry Jour-
nal." In no case will this be to your disad-
vantage, while in many cases it may serve you
well. In either event we shall be obliged to
you.

Summer Buying.

July is a month of bargains in the
poultry world. Every breeder is cut-
ting down his stock by cutting prices,
and when this occurs it is a good time
for amateurs to buy. The beginner who
has spent a few dollars for eggs can
profitably get a breeding pen now for
the coming season. The novice can
purchase hens and cocks for showing
purposes later, at a greatly reduced
figure. The breeders demand room for
the young stock and will make prices
that usually move them out hurriedly.
To him who needs old stock or the man
lately interested we say: Buy stock
in July. Yearling and 2-year-old breed-
ing birds are the best to use anywhere,
and they are cheap now. In writing
for them state exactly what is wanted
and ask the breeder for a description of

the birds he has which nearly fill your
demand. You can tell from the tone of
a breeder's letter whether or not he
can supply you and half of his ability
to please you in your purchase depends
on the explicitness of your letters to
him. Remember this. The wise breed-
er knows that a man buys birds to get
something better than he (the buyer)
has.

Champion the Fancy.

The wise fancier is ever on the qui-
vive to defend pure-bred fowls as util-
ity poultry. Every fancier at some
time during the season is called on to
defend the fancy and its product. When
facts are brought to bear on the argu-
ment the breeder usually wins and
hence it is not a bad plan to know a few
statistics to use in defense. One may
easily keep posted on laying contests
going on over the world and those at
home. A fact that lays out the farmer
champion of scrubs is: If his hens lay
from 48 to 75 eggs yearly, how much
feed does he waste by keeping three
scrubs when one well-bred hen would
earn the same gross return?

Brains and Combinations.

There are some specialists in the
fancy who are known as leaders in
other walks of life. One of the most
known Southern breeders of pure-bred
poultry is a breeder of choice registered
dairy cattle (Jerseys); another breeder
of bantams is almost as well known in
the kennel kingdom; a third is one of
the South's greatest breeders of Scotch
Collie dogs; the fourth is a well-known
biologist, and one or two are profes-
sional writers of more than the average
ability. Poultry breeding makes an ex-
cellent combination with any outdoor
pursuit, and if the man or woman who
takes it up be enthusiastic about his
hobby he will soon be at the top in his
specialty. A Chicago educational pro-
fessor is one of the best breeders of his
favorites, and a Michigander who is
well known as a Barred Rock fancier
is also a lecturer of repute. Verily—
there be brains connected with fancy
that can fathom other than the breed-
er's ills. More than one of our noted
fanciers became interested in fowls
first as a pastime or recreation and later
the business grew to be of first import-
ance. If any man has more brains than
he can use in his business, and the
opportunity affords itself, he can profit-
ably employ the surplus in the breeding
of good fowls.

Fuddy-Duddiness.

The fancier who goes home from the
shows with two handfuls of ribbons is
a fuddy-duddy!

"What's a fuddy-duddy?"

A fuddy-duddy is a man who is con-
scientiously "cranky" about the care
his chicks receive from the shell to
show room. You will always find him
working among the chicks and older
fowls when he has a moment of time
from the routine duties. It is his recre-
ation, as it were, and he fusses with the
chicks until the ribbons are won. If
one does not like the word fuss as
used here he can use grandmotherliness.
Some fanciers, the ones that are known
as showmen, breeders and poultry

princes, never take their hand off their
birds until they go under the judge's
eye. They display all the good points
the birds have and cut down the poor
ones; honestly give the birds every ad-
vantage. You can find the fuddy-duddy
with lantern in hand every night among
the chicks. He takes a final look into
everything before going to bed; he be-
lieves in the old-fashioned plan of
greasing a chick's head with a drop of
lard to kill headlice; he oils a choice
hen's shanks to keep them in good con-
dition. One can find him trying new
schemes that lighten labor and help in-
crease results. Hence it is easily seen
that he is a "necessary evil" about
every well-regulated poultry establish-
ment. The more fuddy-duddies we have,
the better is the fancy; and the more of
this quality we can incorporate in our
work—well, anyway, it brings better re-
sults.

Impartial Treatment of Adver- tisers.

The answer to the following communi-
cation will give our readers an idea of
the impartial manner in which we treat
our patrons. We receive a great many
letters from our readers asking us to
recommend some certain breeder, dealer
or manufacturer, but we maintain that it
would be manifestly unfair to our other
advertisers to recommend any particular
one, therefore we always refer them to
the columns of AMERICAN POULTRY JOUR-
NAL and insist that they make their own
selection.

George G. Bates.

Dear Sir:

* * * Have you on file in your office
letters from any of your patrons wanting
first-class breeding stock (one year old)
of our variety? If so we would highly
appreciate the favor if you would turn
them to us, as we can now spare many
very choice breeders, mated to suit, that
we guarantee will give excellent results.
* * * Trusting that you can at an
early date give us some customers for
these good birds that we can have more
room for growing stock, we are with
best wishes. Your friends,

Chicago, Ill., June 12, 1905.

Messrs. _____,

Gentlemen: I am in receipt of your
letter of recent date and thank you for
your co-operation. Your inquiry, asking
if I have letters on file which request
breeding stock and to turn them over to
you if I have any, touches upon a ques-
tion which, perhaps, you have not given
deep thought. The AMERICAN POULTRY
JOURNAL serves two purposes; first to
give information and reading matter up-
on poultry subjects, and acts as a
medium between buyers and sellers of
poultry and its allied interests, and it is
for this purpose that you pay me for
advertising space. Through this medium
you are enabled to reach buyers of your
stock. I have hundreds of advertisers
and many who sell the same kind of
stock as you do, and it would be mani-
festly unfair for me to single out any
particular breeder for special favors such
as you ask. By not using my influence
to personally send customers to you, I
am establishing with you a guarantee
that I am treating all my advertisers
alike and not diverting orders to any

particular breeder with whom you are competing.

When inquiries come to me for stock, eggs or supplies, I invariably send a copy of AMERICAN POULTRY JOURNAL with instructions and recommendation to correspond with the advertisers direct, thus giving all an equal chance. I am glad that you were means you did for it gives me an opportunity to demonstrate to you that I am taking care of your interests impartially as well as the interests of my other advertisers by not playing any favorites. Now that I have called this to your attention, I believe you will agree with me that my position is the only one that an honorable publisher can take.

With best wishes for your success, I am,
Very truly yours,
GEO. G. BATES.

Egg Laying Competitions.

The fourth annual contest of the Sydney Daily Telegraph, of Sydney, N. S. W., Australia, run over with home entries and a second contest or competition was inaugurated. Not one American hen is there in it. There are any number of American-bred entries and we shall watch these with great interest. The Americans who entered fowls in the third contest found a grand market for some of their birds. They have made many shipments as a result of their enterprise.

The following letter from Mr. S. L. Roberts, San Diego, Cal., was made necessary by the large number of our readers who have written Mr. Roberts for more detailed information in regard to line-breeding and other information they desire, and goes to show how much interest is taken by our readers in the reading matter published in these columns. We are frequently in receipt of letters asking for the address of some one of our contributors, which we have inadvertently left off. We make it a rule to always give the name and address of the writer, unless otherwise requested, and would ask our readers when writing to any of our correspondents for information to please inclose stamp for reply, as otherwise it entails quite an expense for postage on the party who has to reply to several dozen inquiries of this character.

SAN DIEGO, CAL., June 6, 1905.
Geo. G. Bates, 323-325 Dearborn St.,
Chicago, Ill.

Dear Sir: I simply wish to say to readers of the good old AMERICAN POULTRY JOURNAL (and they would seem to be everywhere) that it is quite inconvenient and well nigh impossible for me to answer all the correspondence I am receiving drawn out by the paper on line breeding, which appeared in a recent edition. I am a busy man, and however much I should be pleased to answer all requests for counsel and advice in mating, establishing strains, etc., my time, which is my patients', is too fully occupied to do so. Very much regretting this, I am very truly the friends of all true poultry fanciers.

S. L. ROBERTS.

AMERICA'S "BIG FOUR"

Barred, White and Buff Rocks and White Wyandottes that are pedigreed. Trap nests used exclusively. No loafers here. Write for my new finely illustrated 56-page catalogue, the best you have ever seen, sent free if you mention A. P. J.

H. P. RANKIN

Box 61, Hartington, Neb.

Monthly Prize Article Contest.

Beginning with the August number we will again inaugurate our Monthly Prize Article Department, which proved so popular two years ago. A first and second prize will be offered and paid for the best and second best articles received not later than the 15th of each month. The winning articles and perhaps other meritorious ones, will be published in the following issue. The prizes will be three dollars for the first article and two dollars for the second. The amounts are not large, but they are sufficient to pay most people reasonably well for the few moments required to prepare a short article. They are worth the effort necessary to compete for them, and the writers will have the satisfaction and credit which always accompany an award of this kind. Articles of too great length should not be sent in. We prefer short ones of about a column in length, or about 600 words. The contest is free and open to all readers of AMERICAN POULTRY JOURNAL. You can write upon any subject of your own selection, but it must of course pertain to poultry in some of its branches. Timely and seasonable articles are preferable, for instance, in August we would prefer articles on how to best prepare birds for the coming fall shows, the care of breeding stock through the molting period, the cleaning of yards and houses and other items of that nature. Articles describing appliances and houses and accompanied by rough sketches or photos are especially desirable. All communications must be written on one side of the paper only and must be accompanied by a letter stating that they have been sent in for competition in the Monthly Prize Article Department, otherwise they will not be entered. No manuscript will be returned whether it wins a prize or not. The merits of the article will be decided by the editor. We trust that all our readers will take part in this monthly contest. We want to give all of you the benefit of each other's experience along various lines and we have made the conditions easy. You can send in as many articles as you like, and can contribute each month if you so desire. Remember the winning articles for the August number must be received by us not later than the 15th of this month.

This offer is entirely distinct from our \$50.00 prize offer.

* * *

This is the season of the year when the poultry publisher makes his plans for the coming winter, and just now we are planning many new features for the AMERICAN POULTRY JOURNAL, as it is always our aim to keep in the front rank and give to our readers the best of everything pertaining to poultry, and we can assure our readers and patrons that the old AMERICAN will be better than ever during the coming year. During the season just closed the AMERICAN POULTRY JOURNAL was favored with its full share of success and patronage. We retained nearly all our old patrons and added many new ones. Our subscription list

O-K POULTRY FOOD

Moulting fowls give a languid appearance to the poultry yard. The hens stop laying and mope listlessly about. Even the cocks are indifferent and taken altogether they're a ragged, lazy looking set. The poultryman's profits drop to the minimum while he waits for his fowls to get busy.

Moulting is necessary to the fowl's welfare—it's a time when Nature restores the birds to their full vigor and strength.

You can hasten the process and shorten the period of non-productiveness by supplying Nature with the elements needed to reinvigorate your fowls, by feeding

O-K Poultry Food

They need bracing up. They need help. Give them food that will create fresh vitality, renewed vigor and strength, that will give energy, and you will set Biddy to manufacturing fresh eggs in a much shorter time and at a rapid rate. They should have a conditioner that will tone up the system, make new, rich blood, and put fresh activity into the whole system. They need a food like

O-K-POULTRY FOOD

something that will put them on a profit producing basis. O-K Poultry Food is a pure guaranteed conditioner—furnishes the needed elements for putting the egg-making organs in perfect condition. Aids digestion, restores health, vigor, vitality; keeps fowls lively and strong. A disease preventive that also cures Gapes, Pip, Roup, Cholera and Leg Weakness.

It will pay you to give O-K Poultry Food a test during moulting time and see how fast the pale combs grow red; see the fluff fill out and the trim sprightliness—sure signs that there will be plenty of eggs in the nests before long. Sold by dealers. If they can not supply you, order from us direct. Send for free circular.

O-K-Stock Food Co.

408 Dearborn St., Chicago

was materially increased over that of any previous year.

A poultry paper, or in fact any paper, is just what its readers make it. It is to the readers that the editor must look for suggestions and criticisms; therefore we ask our readers to help us make the AMERICAN POULTRY JOURNAL better than ever by sending us items of news, photos of poultry scenes, plans of poultry houses or anything that might be of interest to their brother and sister fanciers. Secretaries of poultry associations and specialty clubs are invited to send in items about their organization. We have to depend upon the secretaries doing this, as it is utterly impossible for any editor to obtain the desired information and give due publicity to this branch of the poultry industry without the assistance of the secretaries of the different organizations. By doing this they will assist us and help their organization.

The city of Indianapolis will hold two important meetings this month. The Association of Poultry Journal Publishers and the American Incubator Manufacturers will meet there in their various interests. If the incubator people can influence the insurance companies to test the machines as regards their safety it will greatly lessen the premiums on insurance and also allow it to be carried where insurance is now refused. The manufacturers have given poultrymen so many helps that only this one thing is necessary to their perfect treatment of the poultry public.

The man with the artificial egg is on the nest again! Parisian scientists tell us that a genius has perfected an egg really hand-made and which will pass the eye of the critique as the real thing. The white is made of sulphur carbon and beef fat, and the yolk of a mixture of beef blood and magnesia and colored with chrome yellow. The shell is made by a blow-pipe from a moist combination of lime and other products. What about the digestibility of this travesty on hen fruit? Scientists say

nothing of this, quite naturally! Give us the real fruit of the hen as Dame Nature turns it out.

The judges who will officiate at the October poultry show held at the Lewis and Clark Exposition are: George D. Holden, Theo. Hewes, E. J. Ladd, C. G. Hinds, Ross C. Hallock, Thomas Wilken-son, H. H. Collier, W. W. Browning. We have but one suggestion to make: The name of Henry Berrar or that of the Grand Old Man of Pasadena be added to the list. This in honor of the California fanciers who will show there and because of their efficiency as judges. We are probably upheld by the majority of breeders on the coast.

The editor of the Rural New Yorker has found another method of telling of the hen's usefulness: A bushel of wheat worth 90 cents will feed a hen for 300 days. If she lays a hundred eggs worth 2 cents each she makes the wheat worth \$2. This amount will haul a ton of freight 250 miles or one passenger eighty miles. She gives the land 25 cents' worth of fertilizer for the next crop and then makes a toothsome dinner.

The longer you make the breeding of poultry an intelligent study the more you will realize how little you knew at a time in your early experience when you thought you knew about all there was to learn. The fellow who ridicules "fooling away time with chickens" is related to the man who sits around the stove at the grocery and tells his listeners how to run the country and settle the great economic questions of the day. The "fool killer" still has plenty of work to do.

It will be remembered that Robert A. Colt conducted a British department in the *Poultry Monthly* at a time when that worthy journal was in its heyday. He gave readers some good matters up to the time AMERICAN POULTRY JOURNAL absorbed the *Monthly*. It is interesting to know that he has built up one of the biggest, if not the largest, poultry supply businesses in the United Kingdom. And the bulk of his reputation has been made with an American-made incubator!

Someone has remarked that "a hobbyless man is only half a man." If this be true we should try to cultivate our hobbies. Hobbies ridden to death are sometimes the downfall of amateurs. Are you afoot, or on a hobby? Can you drive him single or double? Will he stand without hitching, or do you need a tie-strap and weight?

In an exchange from a foreign country we note a short article on the last annual meeting of a specialty club. Ten men were nominated for secretary and no one would have the office! What a contrast!

We call a chicken gatherer a huckster; in England he is a higgler. Maybe this is why our best birds and theirs don't match.

Now that they have produced the seedless, coreless, blossomless apple it is up to the chickenman to produce a squawless, crowless, featherless rooster.

P. S.—We succeeded in producing such a bird without encountering serious obstacles. He tasted fine and made good dumplings.—*Pacific Poultryman*.

Fifty Dollars in Cash Prizes

We want you to tell our readers what you know about one or more of the following subjects. We will pay:

Twenty-five dollars for the best article.

Fifteen dollars for the second best article.

Ten dollars for the third best article.

The contest closes October 1, 1905.

This is the second of a series of offers which AMERICAN POULTRY JOURNAL will make for the purpose of obtaining for our readers the best and most complete information upon the various subjects, which are of vital importance to poultrymen. We hear it frequently stated that the poultry press falls far short of what it should be as regards the teaching of the principles of success in the business except in the most simple and rudimentary forms. There is need for instruction along lines that will be beneficial to the thousands of breeders who have passed the elementary period of breeding and who feel the need of greater knowledge, which has been gained by practical experience. There are hundreds of persons who have given much study to certain questions and have intelligently planned and carried out experiments, which have proven or disproven many of the theories, which are too generally accepted as truth. These are the people who are in position to be of real service to the fraternity by making known the results of their research. We intend that the readers of AMERICAN POULTRY JOURNAL shall have the very best and most helpful instruction that money can buy, and this contest offer is one plan we have adopted to accomplish the result. We would like every one who reads this to try for one of these prizes. The list of subjects has been selected with a view to covering a wide range, so that every breeder will find some subject with which he is familiar enough to write upon, with a fair chance of winning. The contest closes October 1. All copy must be in our hands not later than this date. The articles must be original and not have been published before. They must contain not less than 1,800 nor more than 2,500 words. The writer who covers his subject most thoroughly and presents it in the most comprehensive manner will be given first prize. We reserve the right to retain all articles sent in and to publish them, if we so desire, giving full credit to the writers. This offer is entirely distinct from our Monthly Prize Offer. Following are the subjects upon which we solicit contributions:

The process of molting. Care of the fowls during this period. What to feed and why to feed it. Is delicate color and gloss of plumage affected differently by different foods? If so, how and why? A general treatise on the subject of molting.

The best and most thorough explanation of line breeding, with a detailed plan for establishing a strain, a clear and concise statement of the principles involved in developing the desired characteristics of the fowl and embodying the results of too close inbreeding.

Preparing birds for the show room. Instruction which will enable the amateur to take advantage of the many little details which add to show condition. How to feed and care for the

**FROM
EGG
TO
CHICK**

What a lot of things may happen to prevent a hatch! Hens are not always reliable.

**PRAIRIE STATE
INCUBATORS**

—positive in every particular; can almost count your chicks when eggs go into a Prairie State. Won 355 first prizes. Illustrated catalog tells how and why. It's free; write for it. Prairie State Incubator Co. Box 468 Homer City, Pa.



birds during their close confinement in show ecops. Instruction to the beginner whose ambition is to get prominently before the public as a fancier and breeder and establish a paying business.

The best method of starting a market poultry plant. The amount of money necessary to purchase stock and the profit to be expected from the outlay suggested. The amount of ground, number and size of buildings required and suggestion in regard to economical and successful management.

How to advertise successfully. Points to be considered in selecting a medium. Conditions affecting an ad and hints on the advantage of continuous advertising.

Has the specialty breeder greater chances of success than the breeder of several varieties, as regards prominence and high prices for stock and eggs? If so, why?

Advice on management of incubators and the advantage of their use, even though hens are available for the purpose.

Success with brooders. How to feed and care for the chicks.

Rules to be observed in getting the highest percentage of fertile eggs. Hints on house room, feed, care, selection and mating, as affecting fertility of eggs.

THE NEXT ANNUAL MEETING OF THE AMERICAN POULTRY ASSOCIATION.

The vote on place of meeting closed June 19, 1905, with the result as here-with:

For Cincinnati	56
For New York	45
For Denver	3
Not voting	7

Membership Executive Committee. 111
Vacancies by recent death—John L. Cost, A. E. Olshausen. 2

Therefore, in accordance with the above vote, we announce that the next annual meeting of the American Poultry Association will convene at Cincinnati, Ohio, at 3 p. m. on Thursday, January 18, 1906, the place to be announced later.

An adjourned meeting will be held at Hagerstown, Maryland, on Thursday, October 12, 1905, the hour and place to be announced later.

By order of T. E. ORR, Sec'y-Treas.
D. L. ORR, President. Beaver, Pa.
June 20, 1905.

PROGRESS OF THE NEW STANDARD.

To the many who have ordered copies of the New Illustrated Standard, and to the many more who have made inquiries as to when the book will be ready for delivery, I take this opportunity to report progress as follows:

A meeting of the Publication Committee was held at Pittsburgh on April 4th. From the advancement of the work at that time it was the unanimous opinion of the members of the committee that the book should be ready for delivery by August 1st. Since that date the work has progressed with fair rapidity. All pages prior to No. 200, except the Table of Contents, are in type. Pages 200-242

are in the hands of the printers. Pages 243 to 310 (Turkeys, Geese and Ducks, also Constitution and By-Laws) will be in the hands of each member of the Publication Committee for final approval before July 1st.

Therefore, unless some unforeseen delay occurs, we shall be ready to deliver the book early in August. We hope that those who are making many inquiries will consider this circular an answer to their letters.

T. E. ORR, Secretary.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Glancing over April JOURNAL I notice card from E. Dana Sutliff, stating his hens eat about three bushels grain per year each, and asking how a man can realize a profit on such a feed cost.

Of course, any experienced poultryman would regard such a statement foolish. Either a man must waste badly or he must keep his flock so fat that he is lucky to get even fifty eggs per year per hen instead of 200, which he mentions.

I give the following statement for what it is worth to him or anyone else, and it is absolutely correct:

To a pen of twelve hens and one cock I give them every morning hardly a quart of mash, consisting of wheat bran, plain oats and middlings, and at noon hardly a quart of mixed grain, consisting of whole wheat, oats and corn chops. At night the same as the latter feed.

By actual count of cost they cost me on an average of 5 cents per month, or 65 cents per month for the thirteen chickens.

They do not get anything else, and are penned in a lot about 80 by 156 feet, which, however, is covered with plenty of green stuff such as alfalfa and Essex rape.

From this pen of twelve hens I get every day from eight to ten eggs, never less than eight eggs per day, usually more, sometimes an egg from every hen.

This rate of production is steady right along through this hot weather, and is not a temporary spurt, for there is no occasion for it.

While I do not sell any eggs at all at market prices, even counting the price as he mentions, at 20 cents per dozen, not less than 240 eggs per month, which is twenty dozen, would give me \$4 per month on the twelve hens, or \$48 per year for the same hens, less the feed cost, which would be \$7.80 per year, deducting from total production would leave \$40.20 net, or \$3.35 per hen per year net.

Now, this is accomplished without any extra feeding or petting, or everlastingly nursing and doting them with so-called egg feed, etc., which is, in the writer's opinion, the great cause of so much disease and trouble with the poultry fraternity these days. Mine get no extras or special attention in any way. He claims his are the American breeds, which is unfortunate, if he is out for eggs as a leader.

Mine are the pure breed, high-class Black Minorcas, which, of course, is different.

Dallas, Texas.

Don't neglect your old fowls in your enthusiasm over the young stock. They should have the same care and attention as usual.

Examine the young chicks closely for lice. A chick that is covered with lice cannot thrive.

ORR'S WYANDOTTES ORPINGTONS

All the Standard Varieties of Both Breeds.

Birds, old or young, \$2 each, \$5 per trio.

Orr's Lice Killer is Best, \$1 per gal.

T. E. ORR Box 807, Beaver, Pa.

WHITMAN'S S. C. BUFF LEGHORNS

Won again at the Northern Ill. Poultry Show. My 1st prize cock bird Judge Holden pronounced "a bird among a thousand." EGGS reasonable prices.

R. T. WHITMAN, R. R. 1, Belvidere, Ill.,

Eggs—Hahne's Lt. Brahmas—Eggs

EGGS \$3 for 13, \$5 for 26. For incubator eggs \$10 per 100. Send for beautiful illustrated catalogue free. FRED HAHNE 517 Webster St., Webster City, Iowa

Mrs. Hill's W. Langshans

won more premiums at World's Fair, St. Louis, Mo., than all the other White Langshan breeders combined. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight.

Mrs. J. S. Hill Purdin, Mo.

Premium Stock Poultry Yards

Fertile EGGS 15 for \$1

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

A. STARZINGER, Prop. Carbondale, Ill.

High-Class Light Brahmas Only

Do you want EGGS for hatching from Light Brahmas with nice pea combs, large frames, broad backs, standard wings, solid black center in hackles, heavy toe feathering and nicely laced tail coverts, at \$3 per 15, \$5 per 30, or \$8 per 45. Also a few choice youngsters at prices that are right. Satisfaction guaranteed. No catalogue. Write to

HY. J. BARNETT, Box 4, Winamac, Indiana

WHITE ROCKS WYANDOTTES	Hawkins and Jefferson
WHITE INDIAN GAMES	Blacknell
BUFF ORPINGTONS	Cooks
ROCKS	Shaws

Here's what you are looking for something good at a very low price. The direct progeny of New York and Chicago winners. Eggs \$1.00 per 15, \$6.00 per 100.

C. L. McFERREN, BELLVILLE, O.

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POST HOLE AND WELL AUGER

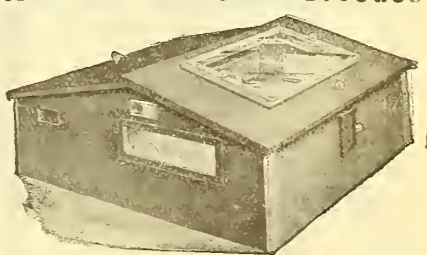
Best earth auger in the world. For Fence and Telephone Post Holes, Wells, Prospecting, etc. Thrice the work accomplished with an Iwan Auger than with any other.

Two crucible's eel blades, each with two scientifically formed cutting edges, and riveted to strong malleable arch, form the bowl of auger. No suction when removed from hole. Nothing to lift but the auger and the dirt. Fills quickly; empties easily; very durable.

Inquire of Hardware or Implement dealer, or write for full particulars of Augers, Hay Knives, Ditching Tools, etc.

IWAN BROS., Dept. No. 5, Streator, Ill.

Rouses' Perfection Brooder



Price, \$7.50. Catalogue free. Simple, convenient, practical. W. L. Rouse, Manufacturer, 157 La Salle St., Chicago, Ill. Chicago Poultry Supply House Distributor, 647 Lakeside Bldg., Chicago, Ill.

Poultry Pointers

Tells how to feed chicks and all fowls, also use of beef scraps, bone, etc. Its free. Write for it. Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.

WHITE PLYMOUTH ROCKS EXCLUSIVELY

at the Phoenix Poultry Yards. \$15 eggs at \$7.50. Incubator eggs at \$3.50. These bargains for June. Single setting at \$2.00.

Phoenix Poultry Yards Batavia, Ohio

Didriksen's Rose and S. C. Black Minorcas won 13 premiums at World's Fair, St. Louis, including 1, 2 and 3 Rose Comb cockerels, winners at Chicago and other large shows. Eggs from World's Fair mating, \$5 per setting; regular pens \$3. Stock for sale. **A. DIDRIKSEN, Whitewater, Wis.**

BUFF P. ROCK EGGS

From Buffs that are buff, not the pale, washed out kind. Nggset strain, \$3 per sitting.

F. WHALEY, Appleton City, Mo.

ORVILLE D. CHINN

Specialty breeder of **Black Breasted Red Games**. The exhibition kind of finest quality. Write me for prices. **Kehoe, Ky.**

King's Barred Ply. Rocks

are attracting the attention of the poultry world. Why? Because they excel in many respects. A few eggs will demonstrate this fact to you. Can spare a few more settings. Write me today for circular and prices on breeding stock. Remember the specialist for best results.

O. L. KING, Lock Box 4, Walnut Grove, Ill.

Wyandottes and Sebrights

We have about 800 head of very fine Golden, Silver Laced and White Wyandottes and Golden and Silver Sebrights yet to spare at very reasonable prices. Eggs from our fine matings \$3 per setting, two settings \$5. Our large circular is free and tells all about our birds. Also fine Belgian Hares cheap.

IRA C. KELLER, Brookside Farm, Box 75, Prospect, Ohio

Bair's Barred Rocks

are daily proving their claim of being leaders for exhibition and utility. In my yards the 200-egg hen is a reality. Lady Pan, the greatest living hen, has a record of **247 eggs** for year 1903 and 11 blue ribbons won in the largest shows of the country. I have for sale fine chicks from Lady Pan pullet line and extra fine chl. breeding pullets. Eggs from selected matings \$3 for 15, \$5 for 30.

L. O. BAIR, 2721 Cherry St., Kansas City, Mo.

A Busy Year



for Old Trusty. Last season was a hummer, but we've got our breath and are going to keep going.

SUMMER PRICES ON OLD TRUSTY

for a few months. It will be a good time to outfit. Same machines, same selling plans.

40 Days Free Trial, 5 Years Guarantee.

Have you ever seen my catalogue? It is Free. **INCUBATOR JOHNSON, Clay Center, Neb.**

Davis' Poultry Punch

Nickel-plated, neat, weighs half an ounce. Cuts two sizes. Price 25c postpaid.

Leg Bands

Smith Sealed prevents fraud at shows. Note large numbers—never duplicated. Prices—12, 30c; 25, 50c; 60, \$1.00; 100, \$1.50.

Climax, light, easy to fasten, secure as a padlock. Sizes to fit any bird. Prices—12, 20c; 25, 35c; 60, 60c; 100, \$1. Send stamp for sample bands and booklet.

The Keyes-Davis Co., Ltd., Department B, Battle Creek, Mich.



FEEDING OF CHICKS.

To Insure Strong, Healthy, Vigorous Birds.

Now dear readers in beginning our short writing on this so important question (feeding of chicks) we will give you some valued experience from our past fifteen years, during which time we have learned much on the importance of feeding young chicks from the shell, and we do not claim our method the only correct one, but must say we know if you will follow our system you will have strong, healthy, vigorous chicks, maturing into good birds with few culls, if from properly mated, line bred parents.

First, in mating up your breeding yards you must know each bird's breeding, and use only the best in quality, not overbreeding strong, vigorous, well up in size and weight hustlers, and if your choice be Leghorns, mate to each male from ten to fifteen females, according to vigor of the male, and with the proper feed and method of feeding you will have well fertilized eggs. Then make a careful selection of eggs to be set, not using too small or too large, ill-shaped eggs.

When eggs begin hatching do not bother them for from thirty-six to forty-eight hours, during this time your hands will be better off off them than if among them, unless you take from the nest or incubator, very quickly, some empty shells that the chicks may have more room to make their way; also do not pick at or assist any chick to get out of its shell, for such chicks will seldom live and if so will be of little good.

If the chicks are being hatched by incubator, on the twentieth day have your brooder nicely cleaned up and slowly warmed up to 95 degrees under hover with ventilators well opened. For bedding in brooder use fine cut straw, and scatter well around the hover a good supply of sharp chick grit, for chick's first meal that they may get their grinding machines in place, and after chicks are placed in the brooder allow them a few hours to rest, and right here let us say that we always place chicks in brooders early in the morning and about noon comes their first meal, just what they will quickly clean up of some high grade prepared chick food, as there are many feeds prepared that will start your chicks on better than any feed you can prepare. Feed only what the little fellows will quickly clean up, and often rather not quite enough than too much, except at night. After the first two days we feed at night all the little fellows want, and with fresh clean water before them, slightly warmed during cool weather, your little chicks will surround the hover or hen for the night happy with their little crops filled. Again we urge you to not overlook keeping before the chicks at all times plenty of sharp chick grit; also granulated charcoal. The latter greatly aids digestion. You will find the little chicks greatly relish a little finely cut onions, fresh bits of beef, etc., occasionally, not giving too much or too often, every other day is sufficient, giving more as the chicks grow older. Until they are well out of danger we give them every other day a shallow pan of sweet skimmed milk, this they greatly enjoy. Do not overlook some nice green grass to run among and pick at after the dew is well off.

After chicks reach about eight to ten weeks of age and having been fed as above, with good clean dry sleeping quarters, well rid of mites and lice, you are

ready to begin the feeding of coarse grain—wheat, rye, cracked corn, oats, buckwheat, sunflower seed, etc.—still not feeding too much, but at least three times daily, with a regular hour for feeding; sowing grain well over chick's run, allowing them all the free range possible.

By this time your chicks will be taking the roost when you will have to get up and out early in the mornings to catch them near their night quarters, and when you can soon feed whole grain and give larger grit.

At the end of the season, after having followed our method of feeding we are sure you will have very hardy, vigorous birds, losing very few during chickhood or after.

Peterson, Tenn.

WILBERT BROS.

METHODS PURSUED IN CARE AND FEED OF THE LITTLE CHICKS FOR THE FIRST SIX WEEKS.

Editor AMERICAN POULTRY JOURNAL:

This subject has been discussed through the AMERICAN POULTRY JOURNAL columns so often and by so many different authorities, and almost each one differs from the other to a certain extent, that no ironclad rule can be followed, as locality, climate and situations are different. The growth of chicks depends, to an extent, on the caretaker. Chicks removed from the incubator, should go into a good brooder which has been heated up to 98 or 100 degrees, keeping brooder up to 95 for several days, then gradually lowering the heat each day a trifle. The nature of the chicks will make you a guide thermometer to go by. Never allow the brooder to chill the chicks, as it is always sure to result in the loss of chicks from bowel trouble. I have a wire run-way, of inch mesh, so connected with front of brooder that the chicks can run in after they are a week or ten days old and when three or four weeks old (as to weather and temperature conditions) the brooder is removed and a closed brood coop substituted. After the chicks get accustomed to their new house, they are given free range on a hundred-acre farm. When they reach the age of eight or twelve weeks a colony house is put in place of brood coop, in which they are allowed to roost till late in October, when they are put into other quarters for the winter.

Always be on the alert for lice and other enemies detrimental to the chick's life. I keep a double barreled shotgun always loaded and in handy reach for all marauders and was compelled to give several of my neighbors eats a load of shot, dispatching their days of chick feasting in short order. In caring for chicks with hens, the old-fashioned "A" coop without a bottom is as good as any and preferred, for it can easily be changed daily onto a clean spot of ground, doing away with the time and trouble that board bottom coops require to clean them. Chicks if cared for properly when raised in a brooder, are the equal of chicks reared by the hen, as this has been demonstrated time and again on the farm and in the show-room. As to feeding, we always feed the chicks for the first ten

Best for sore horses
Pratts Vet. Healing Ointment.
Made by Pratt Food Co., Phila. Over 30 years old.

days on moistened bread and finely ground corn-meal, giving them only just what they will eat up in a few minutes, five times a day, with an occasional change of coarse ground corn-meal scattered in fine litter, letting them scratch for it to give them exercise. We have tried the prepared chick starters on several lots of brooder chicks, for several years past and every time these feeds gave them bowel trouble if only fed in half rations during the first ten days of the chick's life, so consequently we fell back to the old woman's way of feeding them on bread and corn-meal during the first ten days of their life. We use milk to moisten feed with. After chicks are ten days old we gradually accustom them to feeding them on some good poultry food, which then constitutes their diet up to maturity. They thrive and grow very fast, having had S. C. Brown Leghorn pullets laying at four and one-half months of age and S. C. Buff Orpington pullets laying at five and one-half months of age, with the largest variety of fowls the Light Brahma to begin laying at eight months of age. We feed no prepared bone or meat foods, as all of our chicks have free range of the farm and gather enough insects to balance their grain feed during their life of chickdom up to maturity.

Feed is not all, as the cost of raising a chick to maturity must be taken into consideration by all of us fanciers and breeders where competition is so large as it is at the present day, so as to enable us to compete, when stock is ready for the intending purchaser by fall. We always make it our aim to raise the highest and best type of standard bred chicks in our varieties, at the least cost for feed and by our closest and most careful feeding, we find that a chick raised to maturity costs us from fifty cents to one dollar to feed alone, not counting our trouble and time, besides the extra expense connected in brood coops and colony houses. If this and all other such articles written are all summed up and reviewed by the readers of AMERICAN POULTRY JOURNAL much information can be put to practical use in the everyday poultry yard.

Mars, Pa.

H. A. EMMEL.

Many a brood of promising chicks are drowned by being caught in a drenching rain with no protection to which they can go. The loss from this cause each season is very great and many of us do not profit by experience and provide proper shelter for the youngsters. It is true that at times they show an astonishing lack of the instinct of self-preservation by refusing to seek shelter when it is provided close at hand, but this fact should serve to impress upon us the importance of greater vigilance in preventing loss of this kind.

Whitewash is better than paint for the interior of the poultry house. Be liberal with it and put in a little pulverized glue thoroughly dissolved in warm water.

Don't despise the late hatched chick. Many January prize winners are hatched in June.

Foot comfort for your horse
Pratts Peerless Hoof Ointment.
Made by Pratt Food Co., Phila. Over 30 years old.

FREE SAMPLE
ON REQUEST



Amatile ROOFING **B**

"OF COURSE I'M PLEASED." That roof used to leak like a sieve. Now I've put on AMATITE and my troubles are over.

Best for all kinds of farm buildings. It keeps the grain and stock dry. Nails and cement supplied with each roll. Anyone can do the work. It is mineral surfaced and requires no coating.

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JULIUS J. KLEIN.

AMOS A. ANDERSON.

SUNNY SIDE POULTRY FARM

Buff and Barred Plymouth Rocks, Partridge Cochins, Light Brahmas, Emhden Geese and Pekin Ducks. Catalogue free.

SUNNY SIDE POULTRY FARM,

Macon, Illinois.

50 FIFTY 50

We have fifty Lt. Brahma, Partridge and Buff Cochins cockerels and cocks that must be moved. These are extra choice breeders and exhibition birds and will go at half their value. Prices \$2.50, \$5.00, \$7.50, \$10.00 and up. Send on your order or write for further particulars.

ELMDALE FARM, C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Iowa



THE SANITARY PORTABLE HOUSES are light, warm and dry. Good house for renter and city breeder. SIX STYLES AND SIZES. Prices reasonable, material and workmanship A1. Low freight rates. Use box No. in writing for Catalog. Box 1

SANITARY HOUSE CO., Lemont, Ill.



POULTRY SUPPLIES

of every description. Prairie State, Empire State and Star Incubators and Brooders, Drinking Fountains, Wire Netting, Spray Pumps, White Washing Machines, Powder and Liquid Lice Killers, Roup and Cholera Cures, Condition Powders, Egg Foods, Oyster Shells, Beef Scraps, Dog Cakes and Medicines, and everything necessary for breeding poultry and pet stock. Our immense illustrated catalogue gives complete list. It is free; send for one.

Excelsior Wire & Poultry Supply Co., Dept. O, W. V. Russ, Prop., 26 & 28 Vesey St., N. Y. City

Chicago Poultry Supply House Inc.

632 Lakeside Bldg., Chicago

WESTERN REPRESENTATIVE

Model Incubators and Brooders

Manufactured by Chas. A. Cyphers.

Everything for the poultryman

Philip's Chick Feed \$2.25 per 100 Pounds.

BEGIN PLANNING FOR THE FALL SHOWS.

Eggs from our prize winning birds, (1628 prizes won by us last fall) will hatch other prize winners. We sell eggs and stock of guaranteed purity at lower prices than others. We can please you. Send five two cent stamps for our practical poultry book and get our special prices for limited time only. Address carefully

F. W. NEISMAN CO.

Box 40, Freeport, Ill.

(No Connection with any other Establishment.)

**WHITE WYANDOTTES
S. C. WHITE LEGHORNS**

Four hundred choice birds for sale at \$1.00 and \$2.00 each.

Write your wants. Don't delay.

EMMA B. POULTRY FARM, Gurnee, Ill.

D. BEIDLER, Prop.

S. E. LANE, Supt.

Payne's Hen Feed

Choice selected grains, meat scraps, bone and grit; the best money can buy. Send for sample.
Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.

CHOICE REGISTERED COLLIES

Pure bred, for sale at from \$10 up according to age and breeding. Great home dogs and stock workers.
A. D. BURHANS 2413 Y Street, Lincoln, Neb.

EGGS \$1 PER SETTING We are breeders of Barred and Buff Rocks, Silver Spangled Hamburgs and R. C. B. Leghorns. Write us your wants. We also breed Homing Pigeons, Try "Fly's Egg Producer" 5 lb. pkg. 50c. Mrs. E. B. Fly, prop., Edwin W. Fly, Mgr. Clear View Poultry Yards, Chalfont, Pa.

Stearn's Bone Cutter

Shipped anywhere on **Thirty Days' Free Trial**. Fowls fed on the green bone ration as prepared (milled) by the **Stearns Cutter** will double their egg output in fall and winter. **You write at once and get the bone cutter book.** It proves that poultry profits can be increased the year 'round. **Do it now.**

E. C. STEARNS & CO. Box 100, Syracuse, N. Y.

CUT PRICE IN EGGS

75 cents per 15, \$1 per 100. Choice breeding stock going at \$1.00 each.

Northwestern Poultry Farm,
L. B. Jennings & Son, Polk City, Ia.

TRAP NESTS

Wellcome's Ideal is King.

Prevents Broodiness.
Crowding on the Nests.
Egg Eating.

Cost small. Circulars free. No freight.

F. O. WELLCOME,
York St.,
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THE IDEAL

\$100 IN CASH

was won by Vanatta's S. C. W. Leghorns at St. Louis World's Fair. At Chicago, January, 1904, 1 entered three cockerels in a class of fourteen and won 1st, 3d and 5th cockerels. 300 good breeders for sale cheap. Choice young stock for sale after September 1st. Free catalogue.

E. E. VANATTA

R. F. D. No. 8, Vandalia, Mo.

S. G. BROWN LEGHORNS

BRIGHT STRAIN. Large, vigorous, farm raised cockerels scoring to 93, \$1 to \$2 each. EGGS \$1 per 15. Incubator eggs \$4 per hundred.

F. W. CUSTER

Route 1, Pontiac, Ill.



Doolittle Partridge Wyandottes

Best on Earth. 10 cents for latest and most complete catalogue to date. Eggs from World's Fair champions \$2.50 for 15 after June 1st.

W. A. Doolittle Sabetha, Kan.

CHICK, CHICK, CHICK

If you want to raise your little chicks use

ARISTON CHICK FEED

Carefully prepared and the standard for quality. Send for sample and price.

PIGEON AND POULTRY FEED

Wheat, Kaffir Corn, Eng. Maize, Flint Corn, Broken Rice, Buckwheat, Peas, Millet, Rape Seed, Hemp, Tick Beans, Canary Seed, Lentils, Vetches, Hulled Oats.

DONOVAN & BURNS

Successors to John H. Boschen & Bro.
246 Fulton St. New York.

POULTRY IN THE CITY.

For those burdened with household duties, with little time or strength for vigorous out-door exercise, nothing is easier or more profitable for the spare moments than a few chickens to care for. If more of our city housekeepers knew the value of chickens in the yard the year round, they would not be altogether dependent on the grocer. When time is short for spare work, a few in number can be best cared for, and on a small range, better managed. Over crowding breeds bad habits, also a quarrelsome, fighting disposition, driving the weaker ones out to wander. A few may not swell our purse any, but if the table is well supplied, they are paying for their feed and care. That they can be raised successfully on a small range has been proven, but they take the same care and certainly more to eat than if they had the range of a farm. The appetite is not governed by the size of a flock, yet most people have the idea that a few in number require little or nothing to eat, and no care, and this same idea being carried out, is the reason of so many empty egg baskets and no meat for the unexpected guest. With good judgment the feed will not cost much and still be the needed variety. They need not wander for their green food either. A pan full of meats, vegetables and other table scraps cut fine, makes a good meal—dry bread fed in pieces the size of a grain of corn is liked. Hard bread soaked in milk or water and squeezed dry is a good substitute for corn meal dough and more nourishing. They relish nothing more than freshly cut corn cobs to pick on. For egg food, crack the useless soup bones and others on a rock for them to pick over. Green food can be supplied in any season. Turnip tops during the winter month and a cabbage head cost but a trifle, and one fastened with a peg to a post will last for a several days. In summer we have the vegetable leaves. When your bean and pea vines are through bearing pull one or two bunches in the morning and when fresh, tie them by the roots to a post and the chickens will soon rid the stalks of leaves. Lettuce and beet tops are always eaten. No exercise, no eggs. In clear weather rest them from the scratching shed by scattering the grain in the leaves about the yard. Keeping them busy not only means your success, but peace of mind about the neighbor's garden. The general prejudice against raising chickens in cities will remain as long as idle, hungry chickens are kept. Clear, fresh water is just as necessary in winter as summer. Layers especially require an abundance of it. Before the little chicks are too large to do damage by scratching, if they have the run of the garden a few hours, several times a week, will rid your vegetables of insects, thus helping your crop, and saving a powder bill. By using the simplest precautions the mites will not trouble us at all. Perfect cleanliness the year round is the best remedy. As they are hard to get rid of in summer, don't let them get started. Do your cleaning up now. The first pleasant spring day whitewash or scald the hen house, nest boxes and the chicken yard in general. Put in clean straw, dust all the chickens, the setting hens especially, and keep them all well dusted in

summer. Doing a little cleaning up every day is much easier work and shorter time than spending half a day once or twice a week and letting the mites collect between. In the city of common conveniences we have no hindrance but laziness. No minks or hawks to contend with. A healthy stock, experience and perseverance is the road to success; not the number and range. From four years' experience we think the Barred Plymouth Rocks are excellent for a city range, not of a wandering disposition, generally free from diseases, of rapid growth and good layers.

SARAH S. HARRIS.

A STRONG INDORSEMENT OF THE BUFF LEGHORN.

I was always a greater believer in pluck than in luck, but I certainly was favored by the latter when I decided to raise Buff Leghorns. To say that I have been highly gratified is putting it mildly. They are hummers and no mistake. I used to raise Light Brahmas and Barred Rocks, but being of a turn of mine that liked to see things move, I grew dissatisfied with them, for it was set, set, until I was disgusted beyond measure, so I decided to try the Mediterranean class. My neighbors said I could never keep them confined, for I had only a town lot, but lo, I have found the keynote to success in poultry raising if beauty, utility and table quality count for aught, non-setters, layers of large white eggs, and O, what a number of them, laying the year around if given half a show, and I tell you they are just what we all want if you only knew it. I never have been bothered with them getting out or wanting to. I believe truly they would work, lay and be contented the year around shut up in a store box; in fact, there cannot too much be said in praise of these golden beauties, every one as good as their color indicates.

CLARENCE C. WOODCOX.

Don't forget the green food for those brooder chicks. It's absolutely essential. So is grit; so is charcoal in their daily food. Don't feed too much of the latter. Put one tablespoonful in the food of one hundred chicks.

Dust the breeders often and see that they have shady dust wallows to scratch in. This preserves the plumage.

LEE'S

LICE KILLER

strongest and best. No handling, dusting, dipping or greasing. No trouble with vermin if you use Lee's—the name insures quality. Price, qt. 35c; ½ gal. 60c; gal. \$1. Sold by dealers in every state.

GERMOZONE

cures Chicken Cholera, Bowel Complaint, Sore Head, Roup—the best chicken medicine. Profits are in healthy chicks. Save the chicks—increase your profits. Germozone will do it. Price 50 cents, postpaid. Send for new poultry book containing calendar and egg record and lots of valuable information.



GEO. H. LEE COMPANY
Box 91 Omaha, Neb.

THE HENS DON'T LAY AND THE CHICKS DIE.

In this poultry business if there were no bitter to mix with the sweet, the sweet would eventually sour. We must, to succeed, gather lessons from failure as well as from success.

Every year thousands are trying new breeds to better their luck, but in this rush to get something better a great many overlook the cause of failure with the kind they already have. Let us go down deep and collect the things leading to bad luck. Let us make some comparisons, let us compare poultry with people.

Every year the railroads and passenger ships are taxed to carry people looking for health. Trains loaded with people, meet trains loaded with people, and most of them are looking for health, or rest, which is about the same thing, looking for new conditions and surroundings.

I remember once of living some sixty miles from a noted mineral spring. It was the fashion for ailing people to go in covered wagons and camp out, a month would make new people out of them. An old doctor told me that most of the cure was in the camping out and I believe it, don't you?

Now, how about hens? I venture to say that no one ever moved a flock to a new farm or new quarters who did not notice an improvement, more eggs, more hen-songs. I have seen it claimed that fowls raised from eggs shipped from a distance did better than fowls from eggs gotten from home. It is going deep into a theory, but I verily believe there is some truth in it, don't you?

For fear I make this article too long, let us go at it short cut.

Fowls are natural born hunters. A duck does not take to water any more naturally than hens take to hunting and scratching. Even in the barest yards and the most poisoned dirt surface they cannot resist scratching and hunting. I have seen them scratch a bare board floor and stone steps, and so have you.

One time a party in Wisconsin was going to move to a new farm in South Dakota. In a letter she expressed regret with the idea of parting with her flocks of White Wyandottes and White Leghorns. I wrote the lady to take the hens along, that they would more than make up for the freight when they got to work in a bug-paradise, a new farm. Later on the lady wrote me that her flocks were more than coming up to our expectations.

Hens confined to the same range and monotonous surroundings month after month, and year after year, get tired. Some camping out would cure them. As a substitute for camping out, plowing up the ground, moving the hen coops, etc., is all right. We all know this theory is correct. Why do we not practice it more?

These same principles apply to small chicks. They are natural hunters, they want to find things, the greater the variety the better. Right here in this chicken town I see, every day, object lessons, which are definite. As I write this article there is a bunch of 140 chicks being raised in a show window, a space 3 by 8 feet. This space is covered with a mixture of chaff, sand, alfalfa meal and chick food. The chicks are a month old, no sign of leg weak-

ness, no dead chicks.

Then, I know of a pen (bare pen), 15 by 50 feet that must have a credit of 2,000 dead chicks in three years. The yard is low, sour and poisoned. It would give a person the yellow fever, black plague and jim-jams to stay in that yard for a few hours.

Will write you again sometime in the future, but in the meantime think it over for yourself.

M. M. JOHNSON.

ANNOUNCEMENT.

I hereby announce myself as an expert judge of poultry, and respectfully ask your patronage when you are in need of a judge.

I am a specialist breeder of Rhode Island Reds and Orpingtons and know more about these two varieties than any other, but have been in the poultry business for nearly fourteen years and have bred Plymouth Rocks, Wyandottes, Leghorns, etc., successfully.

I only ask that you consider my name when your show is to be judged by comparison only, as I do not believe the score card system always gives the best bird the blue ribbon.

Thanking you in advance for your consideration, I am yours respectfully,
C. N. HANSEN.

Warsaw, Ky.

Make it a duty to wash the drinking vessels every Monday morning. Put a strong antiseptic in the water. At this time of year one must fight all chances of disease. Put a roup cure preventive in the drinking water. Change the water at least twice a day.

Cyphers Poultry Supplies and Foods.

Our 1905 Catalogue consists of 228 pages. It contains six special chapters on profitable poultry keeping; more than 450 illustrations including latest portraits of 150 best known authors, judges, fanciers, editors, professors of poultry husbandry and owners and managers of the world's largest, successful poultry plants. Will be sent free, postpaid, to every reader who sends his name and the names and addresses of two acquaintances who keep poultry.

In addition to our splendid line of INCUBATORS AND BROODERS remember we are manufacturers of

Everything Required In Poultry Keeping.

Our Poultry Supply Catalogue is Free. It contains a full list of the articles we manufacture, among which will be found

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Disinfectants,
Egg Preservative,
Poultry Remedies,

Chick Food,
Laying Food,
Forcing Food,
Scratching Food,
Cut Clovers,
Shredded Clovers,
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Food Hoppers,
Grit and Shell Boxes,
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Egg Testers,
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by its great variety of constituents and well balanced condition puts on flesh and muscle quicker than any other food on the market, while preserving health. The whole, sound grain is used and none of its valuable constituents have been removed. It is all there because we manufacture in our own mill nothing but poultry foods—no breakfast foods nor stock foods to consume the better part of the grain and leave the refuse for the tender little chicks that have not the strength to digest such coarse, fibrous products.

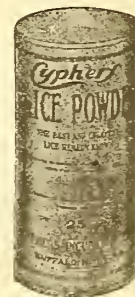
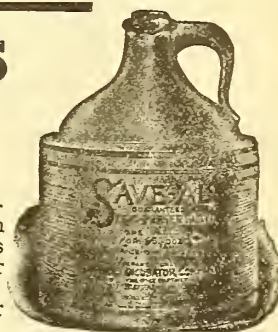
We grind, mix, sack and seal all our Foods. For the protection of our customers our ready-mixed Poultry Foods are put up in sealed bags, bearing our Trade Mark, each bag being sealed with a lead seal with the word "Cyphers" stamped on one side and the word "Buffalo" on the other. Customers should refuse all bags which do not bear our seal, also those on which the seal has been broken or removed.

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Farm and Garden Implements—Seed Drills, Wheel Hoes, Riding Cultivators, Potato Planters, etc., are all described in our new book. It's free. Write for a copy. **Baleman Mfg. Co., Box 119, Grenloch, N. J.**

Wilber's Gem Sirrah, World's Best, S. C. White Leghorns

NONE BETTER EGGS \$1.50, \$3 and \$5 per 15. Half price after May 1st. Large, instructive annual EGG folder free. Many fine breeders after hatching season at right price. **WILBER BROS., Box B, Petros, Tenn., U. S. A.**

THE PARKS PARTRIDGE WYANDOTTES

World's Fair Prize Winners. Stock for sale in pens, trios, pairs and singles. Eggs \$3 and \$5 per 15. **E. A. PARKS, Club Member, 207, 209, 211 West Brighton Ave., Syracuse, N. Y.**

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SILVER LACED WYANDOTTES Exclusively

Stock for sale at all times. No eggs. Send for circular. **A. & E. TARBOX Box A 5, Yorkville, Ill.**

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You pay bigger prices but get no better birds. I have spent years in developing just two breeds—my favorites, **BARRED AND WHITE ROCKS.** Finely pointed birds of all ages and guaranteed fertile eggs at living prices. I solicit a trial order.

KICKAPOO POULTRY YARDS.
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Bred to standard and for egg production. Stock and eggs for sale in season.

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Good breeders for sale cheap if ordered early. Also a few dozen yearling hens, laying stock at \$12 per dozen during July and August.

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LITTLE CHICKS

The only book published that tells how to successfully hatch and rear little chicks. Written by the most practical poultryman. Over 160 pages. Price, 50 cents postpaid. Circular free.

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Granger Poultry Farm

S. C. Buff and White Orpingtons and Buff Leghorns

Eggs from imported and prize winning matings. Matings list giving prices and descriptions. Please write me stating wants.

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"Away Down South in Dixie"

Eggs by the sittings or by the hundred from White Wyandottes, White Plymouth Rocks, S. C. White Leghorns, S. C. Black Minorcas, S. C. Buff Leghorns, R. C. B. Leghorns and Cornish Indian Games. Stock for sale at all times. Prices on eggs: Utility matings \$1.50 for 15; exhibition matings, \$2.50 for 15; special matings, \$3 for 15. Incubator eggs per 100 \$5.

Cherry Hill Poultry Farm H. W. BLANKS, Prop., Columbia, La.

STARTING A POULTRY FARM.

Where is there a person who would not like to own a poultry farm, with its pretty fowls on the green grass, shaded with its heavily loaded fruit trees? The sweet pure air and healthful exercise puts new life into anyone. Yes, and the dollars are there, too, which makes it more interesting. When the buds burst open and the flowers come forth and the little birds say springtime is here, the poultryman pulls off his coat, rolls up his sleeves and does two days' work in one.

Now, in starting a poultry farm the first thing is to locate a site, but poultry is being raised everywhere nowadays, so don't let that stop you. A southern or eastern slope is preferred, with soil heavy enough to grow grass and trees.

Running water is handy and if you can locate near a large town it will give you a local market. Get all the land you can without losing sight of your other expenses, as your young stock needs range and all the feed you can raise is so much the better. Of course, you have already made up your mind whether it shall be a fancier's farm or a market farm, or both. Have an idea, if possible, what your plant should be when completed, then lay it out so you can add on each year. Make it comfortable for your fowls as well as convenient for you to keep clean, etc. Build roomy, warm, dry houses; supply fresh air without draughts. Select the breed that suits your requirements best, and give them the best attention possible and you will be well repaid. We find that the Mediterraneans give us more and earlier eggs and the larger varieties more and better meat. Get good thoroughbred stock and if for fancy, get the best. Watch them closely; feed a variety; use good wholesome grain, meat and green stuff; supply grit, water and a dust bath. Fight the lice all the time. Supply shade if you haven't any and plant fruit trees as soon as possible; they increase your profits. With us cherries come first, then plums, etc.; grapes come last; the young stock is hard on them and they are not good food, either.

The young stock can be hatched with hens or incubators. We have a separate room for the setting hens. We darken the windows, put in water, grit and corn and set them in common, round cheese boxes. These boxes are placed on the floor, one for each hen. They eat and step back in the nest easy and have little trouble with them. Dust often with lice powder. We like the incubator, also; they are always ready and breeding stock must be hatched early. A dry cellar or unmsed room in the dwelling house is a good place to run an incubator. Have plenty of incubators so you can set your eggs while they are fresh. Old eggs hatch poor and weak chicks, cripples, etc.

Separate the young from the old and the pullets from the cockerels. Lay off a piece of land and scatter small colony houses or boxes over it. Move your young chicks out on the grass and teach them to go in at night. This is better than moving them around. As fast as they outgrow their quarters divide them into small flocks. They can stay here till fall and be of little trouble.

Feed them after they are forty-eight hours old a little and often. They can be fed oatmeal, millet, corn-bread, etc. If these are your first try the prepared chick feed; it is ready to serve. Keep them warm and dry and watch your hens and brooders. It is the little things that count.

Of course you want to succeed, so you must work, study and read. Take the **AMERICAN POULTRY JOURNAL** and don't miss a copy; it is a fine educator. If you have some good birds to sell, advertise them. Attend the poultry shows; ask questions of men who know, and your poultry farm will be a winner.

ALFRED P. BAKER.

Washington, Ill.

City and country horse owners use Pratts Harness Soap.

Made by Pratt Food Co., Phila. Over 30 years old.

PARLOR POULTRY YARDS, F. C. Tabor, Prop., Worcester, N. Y. Tabor's 200-egg strain of R. C. B. Leghorns lead, others follow. At Madison Square Garden, Jan., 1905 1st cock bird in the strongest class ever shown at the great World's Fair, St. Louis, 1904, 4, 6 hen, 6th pullet, 2d pen. Eggs from special matings \$1 per 13. Catalogue free. Stock for sale.

NOW IS THE TIME To begin making calculations on your poultry matters for the coming season. I am still in business with either birds or eggs of the **Rose Comb Brown Leghorns, Barred Plymouth Rocks and Buff Orpingtons and Silver Laced Wyandottes.** **JAS. H. TROUGH, Minden, Neb.**



IDEAL ALUMINUM LEG BAND
To Mark Chickens
CHEAPEST AND BEST
12 for 15c, 25—30c, 50—50c, 100—75c.
FRANK MYERS, MFR., FREEPORT, ILL.

West Michigan Poultry Farm

Bangor, Mich.

Barred Rocks, White Rocks White Wyandottes

BUFF ORPINGTONS

We have unsurpassed quality in this grand variety, and our show records prove this. Eggs from all matings at reduced prices now. If you want the best try them.

G. A. GIBSON Route 2, Hector, Minn.

Silver Wyandottes

Two big Chicago shows—eight first prizes. Stock to spare at right prices. Eggs for hatching. Write for particulars.

W. H. MILLARD, Genoa, Ill.

BLACK, BUFF AND PARTRIDGE**COCHINS**

And Bearded Silver Polish.

EGGS \$2 and \$3 per 13. Birds \$2 to \$10 each; \$5 to \$20 per trio. Prize Winners for twenty-four years. Circular free.

Dr. H. F. Ballard Chenoa, Ill.

BUFF ROCKS

My breeding stock for sale at a bargain. Eggs reduced to \$2.00 per fifteen straight.

B. E. Johnson, Kirkwood, Mo.

White Wyandottes

Duston's breeding and exhibition birds of high quality, farm raised and bred in line from prize winners. While they did not get any ribbons at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable prices, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN, Beardstown, Ill.



PURE WATER PAYS

Unhealthy fowls are costly. Impure water breeds disease.

Lathrop Fountains

Keep Water Pure

Moderate cost. Profitable results. Circular free.

Lathrop Mfg. Co., 50 Central Ave., Rochester, N. Y.



THE AMATEUR AND THE POULTRY JOURNALS.

Most of us have heard of the man who liked the Episcopal church "because it gave the members a chance to talk back at the preacher." Perhaps that is one reason why the poultry journals are so highly appreciated by people who keep a few "chickens," either for pleasure or for profit.

A modest man or woman hesitates to write for the average daily paper; even when there are wrongs that should be mentioned, the probabilities that such communications will not be appreciated has a restraining power. But the editors of our poultry papers not only tolerate but even invite our crude productions. And while many of these may provoke the mirth of the professional poultry-man, who is so far past the perplexities and mistakes that constantly beset the path of the beginner that he has forgotten all of them, there is often a word in season to those just entering that path.

If we read only of those who are making large amounts in the raising of poultry, we should look at our own account-books with consternation.

The fact that poultry-keeping is a business, to be learned from the very foundation, is being impressed upon us by all the papers connected with it. Our mothers and grandmothers succeeded in raising a good many fowls every year and we might imagine that no instruction is needed for us to succeed in the same line. Nothing more than good common sense and good luck. These are certainly qualities not to be despised in any age. But sometimes, when in a communicative mood they have told us of their bad luck. How the cholera went through their flocks and perhaps took all of them. Of the gapes and vermin that caused them endless trouble so that we cannot but rejoice that we can avoid most of these troubles if we make good use of the advice that is so carefully given in the best publi-

cations. Of course we are compelled to adapt this to our circumstances. We on the Pacific coast cannot obtain many of the advertised and highly recommended articles without paying such freight and express charges that almost discourage one. But by a little ingenuity, we can find something that will do as a substitute.

The improvement in care of fowls and the greater humanity shown to them may in great measure be credited to the poultry papers. "Evil is wrought, by want of thought, as well as want of heart," is just as true now as it ever was. But the constant reiteration of advice to properly water, feed, house and ship, our fowls, is making an impression on the general public. Cruelties that were once common, are now a matter of law in many states, and a man cannot starve and beat his horses and dogs, or brutally treat any dumb animal, without suffering for it, if it be known.

I can remember hearing a farmer say that it was foolishness to water chickens every day. This was more than twenty years ago, and as farming was a new experience to me at that time, I wondered if all farmers were alike. Yet this was a kind-hearted man to his other livestock and to all his neighbors. It was simply "want of thought," and I did my best to convince him that he was mistaken.

There is still another benefit from the poultry journals that is felt by many, though seldom mentioned—and that is the pleasant acquaintances, sometimes growing into friendships, between advertisers and their customers.

There seems to be something about the raising of fowls that draws people together, and creates a bond of union between many whom we shall probably never meet in person. There is an opportunity for kindly advice, and generous dealing that makes many friends. We feel an interest in each other's success and our own fowls take on a greater beauty, when we read of the prizes won at the great shows by those whose "strain" we are breeding. We cannot but feel grateful to those who give so freely to their methods in raising their stock of such a high degree of perfection. It seems to me that there is no other profession in which there is so much willingness shown to help each other. Of course, there are some sad exceptions to this rule, but I believe many will certify to its truth.

The illustrations of standard poultry are of great assistance to the amateur. It is so much easier to judge from a picture than from words, what an ideal fowl should be. And I must confess that the photographs are sometimes a great consolation, for when we compare our own with the ideal, the difference seems much greater than when we look at a photograph of a winner. We can see some hope that ours may some day reach that position.

And last, we most appreciate those papers in whose company we can spend an hour, with the same feeling that we have, when we have been in good company, a company of kind, courteous people, with no unkind criticism or unpleasant wrangling. It is possible to condemn without losing one's temper—and while we appreciate the efforts of the editors to drive out all dishonest dealings, it is pleasanter for their readers if it is done in a dignified manner, without calling hard names.

Mrs. E. D. HUGHSON.

Fresno, Cali.

SALZER'S SEEDS.

Send 10 cents in stamps for mammoth 140 page catalogue and receive a large number of seed samples free. Salzer's Billion Dollar Grass yields 14 tons hay per acre; does well everywhere, will do well for you.

John A. Salzer Seed Co., La Crosse, Wis.

Hansen's World's Champion Rhode I. Reds

Winners of more cash and special prizes than any other exhibitor. Eggs \$3 and \$5 per setting.

C. N. HANSEN, Warsaw, Ky.



Young Chicks

Just hatched from Barred and Buff Plymouth Rocks, Single Comb White Leghorns and Wyandottes at \$12 to 15 cents each. Distance no objection. 6,000 chicks hatched per week at the Blue Tree Hatchery. Send for circular and get your order in early.

JOS. D. WILSON, Stockton, N. J.

Hay Fever and Asthma

CURED TO STAY CURED.

Attacks stopped permanently. Health completely restored. No return of symptoms after treatment ceases. Throw away "Reliefs." Be cured in the right way. Good appetite, sleep well, do anything, go anywhere 55,000 patients. BOOK 55¢ FREE.

P. Harold Hayes, Buffalo, N. Y.

Bill Thompson's Brooder

He calls it **THE BUSY BEE**. It's the only real, low down brooder made. It has no legs, no platform, no run-way. Price only \$8.

BUSY BEE INCUBATOR It's the most successful small hatcher sold at a small price ever placed on the market. Holds 65 eggs, price only \$8.00. Catalogue free.

GOVERNOR INCUBATOR CO., 129-141 Factory St., Gouverneur, N. Y.



HOOSIER INCUBATORS AND BROODERS

are sold under a positive guarantee to do as claimed or your money back. Send for catalogue.

Hoosier Incubator & Brooder Co., Columbia City, Ind.

AN EGG FACTORY

must be furnished the proper raw materials to keep going to its full capacity. **HARVEY'S Electric Poultry Food** will keep your hens busy in winter when eggs are high—lots more money in winter eggs; you ought to feed for it. Write for our free catalogue—tells how. Harvey Seed Co., 80 Ellicott St., Buffalo, N. Y.



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To every subscriber to **White's Class Advertising** I will undertake to advise regarding the preparation, execution, and the best methods of handling newspaper advertising in all class lines that have to do with Agriculture. If you need a catalogue, booklet, a design, illustration, mailing card, art or editorial work relating to your advertising, I will give advice free. Send 10 cents stamps or silver, for sample copy **White's Class Advertising**—better than an Advertising College Course. Address

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Consultor at Advertising "At it seventeen years"

900 Caxton Bldg. Chicago, Ill.

Cures cholera, roup and gapes Pratts Poultry Food.

Made by Pratt Food Co., Phila. Over 30 years old.

BUFF ROCKS

Blood as good as the best. Lock up our show record in previous ads and the sensational price we sold for at Chicago show last year. Eggs \$2 per setting. John J. Kieg & Sons, Romeoville, Ill., P. O. Lockport, R. F. D. 4

WHITE WYANDOTTES

from good cock birds and year old hens. All good and only a few to spare.

K.-G. POULTRY YARDS, Circleville, Ohio.

Flushing Poultry Yards

H. D. ALDRICH, Prop.

LEGHORNS

ROSE COMB BROWN.

2d pen at Madison Square, New York, 1905.

ROSE COMB WHITE.

1st prize pen Madison Square, New York, 1905

ROSE COMB BUFF.

1st prize pen Madison Square, New York, 1905. BAYSIDE AVE., FLUSHING, N. Y.

CYCLONE STRAIN BLACK LANGSHANS

EGGS \$2.00 per setting, two settings for \$3.00. Stock for sale at all times.

H. C. ECKERT & SONS

BELLEVILLE, ILL.

"SOME WHERE."

But Where? and How? that is the question to ask ourselves. What goes with the tiny chicks that we succeed in getting hatched out but fail to raise, we take off old white biddy with 15 or by giving her a few from the incubator she may march forth with 20 fine little feathered babies. We feed them a few times and see them in to a nest box to spend the night but we rush on with our poultry business trying to get as many hens set as possible and trying to take off as many chicks as our neighbor or a few more, which is all right, but that one object has seemed to be our only object, for we have not remembered to give Old Whitey the help she needed, to rear such a large family, and when we do at last think of her, it is to find, that she has but six or nine perhaps of that once numerous flock. Well we say that is just my luck, well I must take off a couple more hens with chicks. I can't take time to look out for her. I must rush more eggs under more hens and never for a moment count the chicks lost, as so many eggs lost, or so many cents sunk, and so this wasteful work goes on losing nearly as fast or in some instances faster than they are gotten out, but when the general "round up" takes place at the end of the hatching season they find they have not more than one-third as many chicks as they thought they ought to have, then comes the cry, Where have they gone, "Some

where," truly, but where? Now a little less haste would have prevented waste. We should count our chicks after they are hatched as a miser counts his gold and not count it time lost to try to save as many of every hatch as it is possible to, and if we find we are capable of caring for more, then crowd the work on, for all there is in it, but keep guard over the work already done. There is a market for good eggs any time of the year, but for poor little neglected chicks that die, there is no redeeming them. A near neighbor has a good incubator and gets good hatches, besides setting hens, and along as early as June I have heard them say they had hatched out 1,500 chicks, and I have known that same neighbor to be obliged to buy their fried chicken for their Fourth of July dinner. They could not have any luck; their chicks never did any good—1,500 eggs means 125 dozen; if sold even at a penny apiece is more than the average poultry woman can pick up every day of the year.

In the poultry yard we find a great many small things that mean dollars to us if attended to properly. Some neglect to look after the broody hens, never attempt to save the flesh and time of the hen by penning her up a few days, then turning her out to go to laying again but will let her sit till there is not enough left of her to make a grease spot, then sell that little to a chicken buyer or perhaps trade her to a tinware merchant for a tin cup and find it leaks

after the fellow is out of sight. Now why not fatten the old hen and make a respectable object of her and get 50 cents at least from her? It is a good trait in any man or woman to get the very best out of everything they undertake, and if money is to be made out of poultry no item must be counted small and overlooked. There is no dishonesty in making the best we can out of everything our hands find to do, and by doing so we will find it places us a good way on the road to success and prosperity.

MRS. A. HENSLEY.

Lexington, Ill.

HATCHING AND RAISING BANTAMS.

Dr. William Y. Fox, Taunton, Mass., gives his method of raising bantams.

After about fifteen years' experience in raising bantams, I have at last got down to a system that gives good results and, at the same time, is the least work of any method I have ever employed. I hatch from three to five hundred chicks every season so it is important to have as simple a method as possible. With my early methods and the use of hens for setters and mothers I could not possibly raise over half the bantams that I hatched. Now I raise better than 90 per cent. I use Cypher's incubators and Old Homestead brooders and nothing else. The brooders are in sheds opening towards the south. The floor of the sheds is cement. Each fresh batch of

A positively sure remedy Pratts Veterinary Colic Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

PAYNE'S ALFALMO POULTRY FEED

The best that money can buy. Send for sample and book, "Poultry Pointers," free. Write, ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

Cures feverish horses

Pratts Prepared Fever Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

A Knock at Your Door

Here is a new proposition for poultrymen only. It means more money to every one of them who will thoroughly investigate it.

It is simply a co-operative plan which has been carefully worked out to combine the poultrymen of America into an association for their mutual benefit.

Co-operation is not an unknown force; it is the lever that moves all great commercial enterprises today. It turns failure into success, and makes many things possible that could not be without it. That the progressive poultrymen of America are ripe for such a plan as is offered to them by the POULTRYMEN'S CO-OPERATIVE ASSOCIATION OF AMERICA is proven by the responses we are receiving. Here, for the first time, is presented the opportunity for poultrymen actively and personally to participate, as partners, in a gigantic scheme of co-operation that will benefit them, as a class, thousands, aye hundreds of thousands, of dollars every year. The object of this Association is to combine and centralize the purchasing power of its thousands of members, thereby reducing the cost of every article the poultryman requires in the conduct of his business. Later on, when the Association has become more thoroughly organized, it will include a selling department, which

shall take the poultryman's products and market them. It isn't necessary to dwell on this benefit to the members. The POULTRYMEN'S CO-OPERATIVE ASSOCIATION OF AMERICA is organized to work for the betterment of all the trade conditions of its members. It will save them money—it will earn them money.

That the benefits may be as extended as possible and the influence of its co-operation interest a great number of poultrymen, the Association invites membership from all over the country. It offers the poultryman a profitable investment for a small sum. It insures a constant saving on his purchases. It guarantees a liberal dividend beside. It will limit the amount he can invest, but it will not limit the benefits of his membership. A \$5 investment entitles each member to all the benefits that a \$100 investment would. It will not return as great an amount in dividends—that's all the difference.

Already thousands of poultrymen have joined the Association, and applications are pouring in every day. It will pay you to invest \$5 in a paid-up, non-assessable Life Membership Certificate in this Association. It will pay you to invest more if you desire, but you cannot afford to let this chance go by.

Opportunity knocks now at your door. Don't turn it aside with a shrug of your shoulders. Investigate it thoroughly. The wise man proves his opportunities and profits by them. Be wise and write for free prospectus, "A Knock—Opportunity," and read it carefully, weigh its arguments and "see if they be good." If our proposition won't bear your closest scrutiny, turn it down, but don't turn it down and miss its benefits from force of habit. Write for the prospectus today and ask for "A Few Comments" from prominent poultrymen you all know—see what they think of this plan. Address all communications to

Poultrymen's Co-operative Association of America. 321 Mutual Life Building, Buffalo, New York.



Payne's Chick Feed

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World's Fair Prize Winners. We have one hundred S. C. Black Minorca hens for sale at \$1 apiece. Must make room for young stock. Eggs at half price. Rosedale Poultry Farm, G. M. Shook, Joplin, Mo.

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I won the \$25 Challenge Trophy Cup for highest scoring cock, chl., hen and pullet at the great Chicago Heights Show, 1906. Also silver cup for highest scoring pen in Asiatic class. Stock and eggs for sale. Send for circular and price list. R. A. Hewes, Box 1, Crete, Ill.

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Chicago, Ill., January, 1905. 2d cock, 2d, 3d cockerel, 1st pullet, 1st pen, 10 specials on 8 birds. Madison Square Garden, Jan., 1905. 1st cock, 3d pullet. Winners of 80 1sts at Chicago, Indianapolis, Cleveland, Ft. Wayne. Eggs \$2 and \$5 per setting. Circular free. W. H. WIEBKE, Box P 2001, Ft. Wayne, Ind.

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542 Como Bldg., Chicago, Ill.

chicks goes into a brooder that has been washed, inside and out, with a hot disinfectant solution, the floor of the shed being also cleaned and soaked in the same solution. Sulpho-naphthol is my favorite for this work. The brooder floor is covered with cut clover and cleaned every second day. The shed floor is covered with clean dry sand. The temperature of the brooder is kept as the chicks want it. That is, I am guided more by the way the chicks act, than I am by the thermometer. Give enough heat anyway. They will find a cooler part of the brooder if they get too much. The feed is chiefly a prepared chick food, a combination of different grains, ground fine enough for small chicks. I am not particular as to the brand. I take what my local dealer happens to carry. This is fed on the sand in the shed and there is always some before them. Once a day, for a couple of weeks, they get hard boiled eggs, all they will eat. After that, they have a box of beef scrap before them all the time. They are fed all the green food they want, whatever the garden affords.

When the chicks are about three weeks old, never sooner, they are let out of the shed into small covered yards and no change is made in the feeding until they can eat whole wheat and cracked corn, when these take the place of the chick feed.

If we believe all we read about feeding chicks, I am all wrong and I am very well satisfied to be wrong in theory, because the results are so good. I have tried faithfully about every known food or method of feeding and never could raise over 70 per cent and many years a much smaller one. In disgust I took this way three years ago, simply because it was so easy and hoping results would be no worse than in previous years. Imagine my pleasure when I raised every one of the first brood and about 95 per cent of all hatched that season.

Let any one say that this way is good only for bantams. I will add that last March I hatched 55 penciled Wyandottes for utility purposes and treated them exactly as I have tried to explain. I have not lost one of them and at just two months old I began to kill two-pound cockerels for broilers. Now at less than three months I have pullets over three pounds and the whole flock is as hearty a one as can be found. Hoping that this may be of interest to some other bantam crank and be the means of saving a few of his precious chicks, I am,

DR. WM. Y. FOX.

Taunton, Mass.

As the thermometer goes up the enthusiasm of some poultrymen goes down. These are not the successful kind and it is well to bear this in mind. The winning birds at the shows next winter will be the ones which are properly pushed during the hot summer months.

Provide a large frame, say 6x6 feet, covered with lath 3 inches apart on all sides and on top, in which to feed the chicks. They get theirs then and the large fowls don't annoy them.

Keep the chicks growing during the warm weather, by giving them proper care and feed.

Insures a full milk pail Pratts Cow Tonic.

Made by Pratt Food Co., Phila. Over 30 years old.

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WYANDOTTES—IND. RUN. DUCKS.
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Black Minorcas—W. P. Rocks

Makes a sweeping win at late New York Madison Square Garden Show. Four 1sts, two 2ds, including 1st and 2d pens on Minorcas and four 1sts, including 1st pen on Rocks. Grand total eight 1sts and one 2d out of possible 10 1sts in largest and strongest classes each variety ever shown in Garden. Grand chks. and pullets linebred direct from the winners after September.

Greystone Poultry Farm, Yonkers, N. Y.

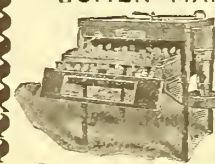
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125 PAT. APPLIED FOR

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THE SUPERIOR

is securely locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind, No. 1 to suit, 12, 15c; 25, 30c; 50, 50c; 100, 50c. Sample for stamp. Circular free.

T. CAWALLADER, Box 802, Salem, Ohio.

Stop Feeding Hens That Won't Lay

Do What Mr. S. L. Hirschey, of Castorland, N. Y., did. He writes May 17, '05:

"Your Walter Hogan System of selecting layers is O. K. After reading it over I selected from my Leghorn pen of 21 birds, four I picked as non-layers. The first week's test showed the 17 layers laid as follows: each day: 13, 11, 13, 10, 8, 18, 9 eggs respectively. The non-layers 0, 2, 1, 2, 1, 2, 3 eggs. You will see I found the drones at first attempt. It's a great system, as anyone can learn it, and it's just what the poultryman needs to stop his biggest leak."

We have lots more such letters. Here's one on selecting for breeding purposes.

Ladonia, Texas, June 1, 1905.

"I selected my breeding pens after reading your System and would not now be without it for any consideration. I regret I did not have it long ago. I put a cock with one pen that according to the system would not fertilize. Later I set the eggs as a test and found they were not good. It is certainly the greatest aid ever discovered for poultry keepers."

W. G. NUNN,

Vice-Pres. First National Bank, Ladonia, Tex.

A request brings full information from Walter Hogan Co., 17 Natl. Bank Bldg., Fergus Falls, Minn.

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We offer Choice *White Kaffir Corn* at \$1.30 per 100 lbs., \$6.00 per 500 lbs.

Choice *Broken Rice*, at \$1.50 per 100 lbs., \$6.25 per 500 lbs.

Choice *Green Alfalfa Clover Meal* at \$1.50 per 100 lbs., \$7.00 per 500 lbs.

Above includes sacks and free delivery to R. R. depot in St. Louis & cheap freight rates to all points.

We also offer Oyster Shells at 75c per 100lbs. Mica Crystal Grit at 75c per 100 lbs. Granulated Bone at \$2.25 per 100 lbs. Beef Scraps at \$2.50 per 100 lbs. Napcreol, Lee's Lice Killer, Lambert's Death to Lice. In fact, all standards goods.

Make one order for anything that you need and we will fill it promptly.

Samples Free, also
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Poultry Journal

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325 Dearborn St., Chicago, Ill.

THE HOUDAN FOWL.

By REV. C. E. PETERSON.

When in the near future the new standard of perfection will be in the hands of the fanciers all over the country, every one of them will, of course, turn to the pages first that deal with the breed that they are particularly interested in, and it gives us considerable pleasure to assure every genuine Houdan fancier, that under the caption of Houdan he will find a standard that will cover every detail of the bird of his choice, and the work of men that have made the Houdan what it is today, and who know a Houdan when they see it.

It was with genuine pleasure that we examined the sketches made by Franklane Sewell of a Houdan male and female, the sketches of fifth toe and comb, making as a whole a very clear conception of what a Houdan ought to be.

All of these sketches and the printed matter will in every particular give us a standard that will either make some breeders of spurious articles get out of the business or try to produce a Houdan



First Boston hen, 1905; pronounced to be one of the best colored birds ever shown. Special ribbon for shape and color. Weight, 8½ pounds. Bred and owned by Rev. C. E. Petersen, Franklin, Me.

that is not a libel on one of the best fowls on earth.

The fact is that a number of men are today breeding Houdans that as far as blood is concerned are Houdans all right, but the Houdan that is worth little over the market price because in no particulars do they excel the early importations of the early sixties, when the Houdan fowl was imported into this country. Houdans that always appear at great disadvantage when in competition with Houdans that come from an acknowledged strain, that for years have been bred up to a high standard.

For this reason very few of the breeders of this inferior kind of stock are willing to exhibit where any competition is to be found, and therefore advertise in supposed to be "Houdan news" articles the unknown quality of egg production, which, of course, cannot be proven until the birds are bought and paid for, and a year's time of observation to see whether the phenomenal laying strain is fact or fable, and the last generally proves to be true.

Some of the defects in these inferior

stocks of Houdans are easily to be noticed when compared with even a good sketch or photograph.

The crest is very small and ill shaped, and there is hardly any beard except a few feathers with a split in the center what may be called a remnant of the muffling, but a very poor apology for a beard.

All this in view of the new standard, as well as the old, calls for a very large crest, well-shaped, full and compact, falling over the neck of the bird in an unbroken mass of feathers, high in front and above all things smooth.

This is what is wanted for crest, and not the straggling awry all over the head and eyes, sort of an appendage that have no rights to even the name of a crest.

The beard must be long and pendulous, and is an entirely different thing than the muffling, and one of the chief characteristics in a well bred Houdan.

As to shape we find the same lack of standard requirements, for instead of being low on the feet and of a massive blocky build, we find a narrow breasted, long in the leg bird, that in every way look more like a Leghorn than a Houdan.

These deficiencies are only a few of many others, suffice it to say, that faults might be found in every section of these so-called "French Houdans."

And it may be well to state here that the French Houdan is not bred in this country, and is not wanted, and cannot find a place in the awards of merit in any show room of any note, as they are in most every way outside of what the standard calls for.

And now for the benefit of the many new breeders of Houdans that have taken hold since we last wrote on the subject in this journal let us give a description of a well-bred Houdan.

The Cock.—A Houdan cock fully grown should not weigh less than seven pounds, the standard requirement. That weight should have been attained when the bird is in good breeding condition. Size in a Houdan is of great importance. I would emphasize this requirement by having the Houdan Club instruct its judges never to give the blue ribbon to an undersized bird, male or female.

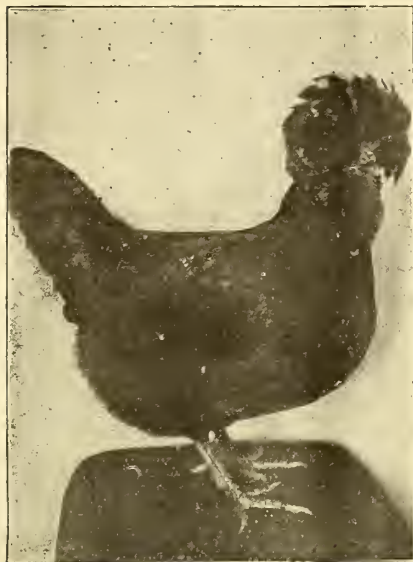
In form the Houdan is a squarely built fowl, somewhat resembling the Dorking in shape; a fairly long body, indicative of a good supply of breast meat, low on the feet, the hock coming nearly up into the fluff of the body. The shoulders, saddle and back are very wide. The latter straight with a slight drooping toward the tail, which should be carried moderately low and abundantly furnished with saddle and sickle feathers. A Houdan with an upright tail is not in good taste with the massive build of the breed. The breast should be conspicuous for breadth and fullness. When I say fullness, I mean a good rounded breast coming well forward; the breastbone deep in the keel, extending from the forepart toward the tail, that there may be ample room for the production of flesh. The wing should be carried well up, properly developed, large, heavy and muscular. The thighs large, with legs firm, of medium length and moderately thick. The fifth toe should be quite distinct, well developed and curving gently upward.

The head should be of medium size carried well up, and surmounted by a

Don't be discouraged
Try Pratts Heave Cure.

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large crest composed of evenly mixed black and white feathers; in texture they should be similar to those of the hackle falling well backward upon the neck and sides of the head, incasing, as it were, the head in a half circle. It should not be of the topsy turvy kind, with feathers in it, standing up straight, and front falling forward over the eyes of the bird,



Houdan pullet, daughter of first prize Boston hen. Too dark for an exhibition pullet but will make a finely colored hen. Bred and owned by Rev. C. E. Petersen, Franklin, Maine.

but a crest perfectly smooth, high in front, making a natural background for the comb, falling backward upon the neck in an unbroken mass.

This is the crest of a well-bred Houdan, giving style and finish to the whole bird.

The beard should be strongly developed and pendulous in shape; it should be long and full—not a few feathers curling up-



First prize Houdan cockerel, Boston, 1905, son of the \$100 Champion Challenge Cup Winner. Weight, 7½ pounds. Bred and owned by Rev. C. E. Petersen, Franklin, Maine.

ward between the wattles, with a split or division in the middle. The muffling should be in abundance, hiding the ear

lobes and almost covering the face, curving upward to the back of the eyes and there joining the crest.

The comb must be V-shaped, the smaller the better, but well defined; natural absence of comb is not to be desired.

Free from side sprigs or extuberances of any kind.

The Hen.—The Houdan hen, like the cock, should be a full square-bodied bird, weighing not less than the required six pounds; seven or eight pounds would be still better, and birds of these weights are not hard to find in any well-bred strain. She should have a broad, straight back, sloping as in the male imperceptibly toward the tail.

The crest should be large, globular, full and compact, with the feathers closely overlapping and enough of them to more than fill your hand. Females with fallen crests should be discarded. An evenly mixed crest of black and white feathers is, of course, here as in the male to be desired.

The comb as in the cock should be V-shaped, but very much smaller; in a well-bred specimen the crest should almost hide it. Short but stout shanks, fifth toe well developed, and, as in the cock, curving gently upward.

Color Requirements.—The color of the plumage in both male and female should be black and white; black to predominate and of a good greenish tint. The white should be clear without the slightest tinge of straw color; the frosty or grayish mixture, which is neither black nor white, should not be present. There is also a kind of black with a rusty tinge to it that is not at all desirable, neither is the only too much prevalent purple-black, and where there is also bronze-bars present it is, of course, a good deal worse.

The standard calls for black and white, evenly mixed in the proportion of three black feathers to one tipped with white. This is the stumbling stone to so many fanciers. They will continue to exhibit birds that are too dark in color. These birds are all right in the breeding-pen, but is not what the standard calls for, nor is it Houdan color. Yet a bird may be very dark, and for all that, be evenly mottled with white all over the body. This is the kind of mottling we desire.

No judge will pass such a bird for being too dark in color, neither is such a bird likely to fail in her first moult, nor in the breeding-pen to produce chickens with the desired markings.

It makes a great deal of difference whether the white is all in one or two places or evenly distributed all over the body of the bird.

A feather all black with a little pure white on the end of it is what makes a beautiful spangled bird, and all right for breeding as well as for exhibition purposes.

On the other hand, a bird with large splashes of white here and there on the body, with wings of a color that the standard does not call for, having more white than is permissible in it, describes fairly well what I mean.

Such a bird is not fit to exhibit and of no value in the breeding yard.

Wingbows and secondaries should be black, primaries, black and white.

The feet should be pinkish-white, mottled with black.

Best remedy for pink eye Pratts Distemper Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

The eye a bright red. In characteristics wide awake and alert in all its movements.

This is the kind of Houdan all breeders of any note and worthy of the name are striving to produce, and that some of the older ones in the fancy has produced, by hard work and skillful selection, making their names synonymous with the strain of Houdans they have produced that for beauty and real utility combined stands for all that is excellent in the Houdan.

To produce that kind of a bird by mating will be the subject of a future article, so that when next fall comes around the beginner may know what birds to keep and what to reject.

Payne's Mash Feed

makes hens lay and chicks grow. Send for sample and book, "Poultry Pointers," free. Write, ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

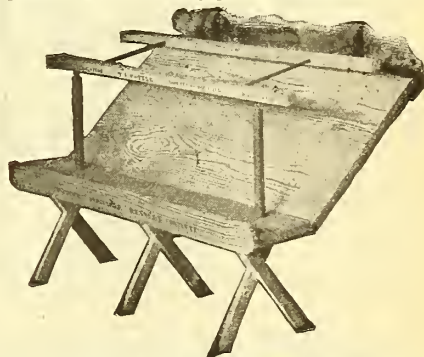
Barred Rocks, 1904,

Michigan State Fair, 1st, 2d cks., 1st ck., 2d hen. Fenton, Mich., 5 1sts, 3 2ds, 2 3ds. Grand Rapids State Show, 1st ckl., 4th hen, 2d pen. Pontiac, Mich., 4 1sts, 3 2ds, 2 3ds, 3 4ths. Prize winners in breeding pens. Eggs in season. B. G. WESTFALL, Oak Grove, Mich.



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that new hen house or think of fixing up the old one until you have secured a copy of our large thirty-page catalogue on Poultry House Fixtures. You will then decide, as have hundreds of other poultry raisers in every part of the country that



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are the greatest improvements of the age in the line of up-to-date, convenient, time and labor saving poultry house fittings. They are the 20th century fixtures; they save you time, labor, worry and money in your poultry work. You can never successfully and properly do this work and get the results you want, clean and sanitary quarters, healthier fowls and larger egg production until you have your house equipped in the right manner. Our fixtures are made in three styles and over 40 sizes; so we can fit up any house large or small, no matter how arranged. Some people buy two outfits and others buy twenty-five. You can decide just what you need after reading our fully illustrated catalog. Write today enclosing one red stamp.

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No. 1, ½ in.; No. 2, ¾ in.; No. 3, 1 in.; No. 4, 1 ¼ in.; No. 5, 1 ½ in.; No. 6, 1 ¾ in.

Manufactured by H. TURNER

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\$3 a Day Sure

Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free, you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work, absolutely sure. Write at once.

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will double egg yield. Poultry Book sent free.

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 BANTA MFG. CO., Ligonier, Indiana.

WILLETT'S EGG PRESERVER

keeps eggs as fresh as the day they were laid. Cheapest and best egg preserver on the market; used and endorsed by poultry raisers everywhere.

It is a perfectly PURE WATER GLASS, does not affect the flavor of the eggs, preserves them in perfect condition. One gallon is sufficient for 100 dozen eggs. Price, pint, 15 cents; quart, 25 cents; half gallon, 50 cents; gallon, \$1.00. Address

ROLLA A. WILLETT, Box 56, Anderson, Ind.

Buff Cochin Bantam Cockerels \$1 each.

I have a few medium light cockerels that will be disposed of at this price. Also have some choice exhibition breeding cockerels at \$2 each. If you want something good for this season order one of these at once.

JAS. W. BELL, Congress Park, Ill.

Mr. Dudley Takes Issue with Mr. Rigg.

Editor AMERICAN POULTRY JOURNAL:

I notice in the article entitled "A Plea for More Simplicity," by Mr. Rigg, in June AMERICAN POULTRY JOURNAL, his views on convenient housing of chicks. I would take issue with that gentleman in regard to the convenience and desirability of his cooping arrangement. I think the small coop such as he describes would be all right where only a few chickens were raised yearly, but where anything of a business was done at it, it would be quite a laborious job to care for the chicks in such quarters. Ten or a dozen of such coops would not be much bother perhaps to care for, but when forty or fifty such were needed to shelter the young stock the labor of caring for them might mount up into alarming proportions.

Another feature of his which I should not like would be that in the portion of the coop in which the grain and scraps are kept has no floor, which would allow mice and other vermin to burrow under the edges of the coop and consume the contents of the boxes, which would materially increase the expense of raising the chicks and also increase the danger of losing them by rodents.

The writer's pet plan for housing chicks has been to use colony houses, about 6x10 feet in size, about 6 feet high in front and 4 behind, built on runners of 3x4 stuff, without floor. Sufficient windows are placed in the high-side, facing south, to amply light the interior. Four hens, each with from fifteen to twenty chicks, according to the size of the hens and the season of the year, are placed in the house, the hens being confined in dry goods boxes about 2 to 2½ feet square, with the bottom left in for a floor and the boards on one side taken off and, laths substituted in their place to restrain the hen.

By placing a board or frame covered with fine wire before the opening at

night the occupants are entirely protected from all animals with a taste for chicken flesh. For holding their grain and scraps, one large hopper is made which is fitted with a lid which can be closed tightly over the opening, and which when closed at night effectually prevents the box being used as a free lunch counter by all the mice in the neighborhood. After the chicks become larger and the mother hens are removed, the dry goods boxes are also taken out and roosts put in, and after they are old enough to distinguish the sexes, they may be separated and the cockerels removed to fattening pens or yards, while the thirty or forty pullets, as may be, can remain in the house until time to place them in the laying or breeding pens. Then the house can be used to winter surplus cockerels for the spring trade, or it may be used as a breeding pen for ten or a dozen fowls. They may also be used to set hens in at the hatching season, or outdoor brooders may be placed in them before the weather is suitable for their being used out of doors. One of the houses may be hauled up, in the fall, to join on to the regular poultry house and may be filled with six to ten inches of leaves or litter and with the windows left open forms an ideal scratching shed for the laying hens all winter until wanted again for other purposes in the spring. In fact, such houses are exceedingly useful the entire year, and I would earnestly urge any poultry keeper who raises a hundred chickens a season, who has not already used one of these houses, to try one and see if it isn't the handiest building about the place. These buildings should either be built of matched lumber, painted, or covered with neponset or other light building paper, as shingles or clapboards make them unnecessarily heavy, which proves a detriment when moving them about from place to place.

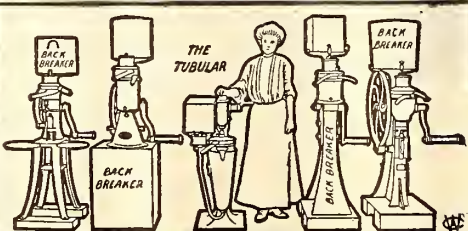
ALVIN D. DUDLEY.

Kendal Green, Mass.

TUBULAR--or "Back Breaker?"

When you see the waist low Tubular you can't be driven into buying a back-breaking, "bucket bowl" separator. Can and crank are just the right height on the Tubular. Here is the largest Dairy Tubular along side four "back breakers." The girl with her hand on the Tubular is 5 feet, 4 inches tall. This is an exact reproduction from a photograph. Which kind for you? Makers of "back breakers" try to get their cans low by setting the cranks low. High cans break your back backward—low cranks break it forward. Unless you are a double jointed giant, you'll find a high can is no joke. To show you how high these "back breaker" cans really are, when the machines are set high enough to turn easily, we raised these "back breakers" 'til their crank axles were level with the Tubular crank axle. "Back breaker" makers don't like this picture—it's too true. They try to squirm out of it. You wouldn't like turning cranks as low as "back breaker" makers put them.

The low can is only one of many advantages Dairy Tubulars have over all others. Dairy Tubular bowls are simple—"back breakers" are complicated. Tubulars are self-oiling—no oil holes to fill up. "Back breakers" are oil drippers and oil wasters. To learn a lot more about Tubulars, write today for catalog N-205



The
Sharples Separator Company
 West Chester, Pa.

Chicago, Ill.
 Toronto, Can.

AUG. D. ARNOLD WILL SELL OUT.

On account of a change in the estate of Aug. D. Arnold's father, who recently died, Mr. Arnold is compelled to close out his entire stock of Buff Leghorns and Silver Penciled Wyandottes, good will and all.

Aug. D. Arnold of Dillsburg, Pa., is well known wherever Buff Leghorns or Silver Penciled Wyandottes are bred, which follows with it that his stock is known all over the world, and his winnings at Madison Square Garden, N. Y., and St. Louis World's Fair make ample assurance of the proof of this statement. His Buff Leghorns have been bred in line longer than any other strain of this variety in the world, and the demands for them have been heavier this season than ever. This stock must be sold at once together with the good will and all matters connected with the business. It is a grand chance for someone to start in with one or both of the popular varieties, and thus enable the buyer to be at the top from the very start.

At St. Louis, Mr. Arnold won the Championship Cup for the best collection of Buff Leghorns and had plenty of points left. His Silver Penciled Wyandottes have never failed to win 1st on cock and 1st on cockerel at Madison-Square Garden. At the last show held there, he won 1st cock and 1st cockerel, and the three first prize New York males are in Mr. Arnold's yards now and go with the lot when sold. The females of this variety average as fine as any flock in America. This sale is a matter of so much importance that breeders should write to Mr. Arnold at once.

TIFFIN, OHIO.

The next annual show of the North Western Ohio Poultry and Pet Stock Association will be held at Tiffin, Ohio, Jan. 10-13, 1906. Chas. McClave has been secured to do the judging. V. Crabtree, secretary.

Always clean your brood coops when necessary. Use plenty of air-slacked lime in purifying them. The filth breeds disease and lice.

**Hard worked horses need
Pratts P. V. Condition Powder.**

Made by Pratt Food Co., Phila. Over 30 years old.

SINGLE COMB WHITE LEGHORNS.

Winners again at the Elgin Show, Dec., 1904. Won 1st chl., scored 95; 1st pullet, 95½; 1st hen, 95; 1st pen, 190 by Chas. McClave. Okls., pullets and yearling hens for sale. Write for catalogue and mention A. P. J.

W. L. Fern, Elgin King Poultry Plant, Elgin, Ill.

TRY FRANK'S BARRED ROCKS

Bradley Bros. Strain: the richest producing strain in the world. 300 chicks growing for early fall buyers. Write for prices on stock you want. Satisfaction guaranteed or money refunded.

F. L. CHAMBERS,

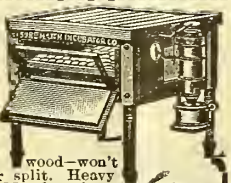
Box 525, Blandinsville, Ill.

\$10.00

FOR THIS
110 EGG
MACHINE

FREIGHT PAID

East of the Rockies. Other sizes correspondingly low. Made from California Redwood—won't warp, swell, crack or split. Heavy asbestos board lining. Metal work copper or brass. Patented heat control absolutely automatic and delicately sensitive. **25,000 Sold This Year** and orders still coming. Sent on 60 days trial. Money back if you want it—but you won't want it. Get the big Free Catalog today. Address nearest factory. **SURE HATCH INCUBATOR COMPANY**
632 Clay Center, Neb. 10632 Indianapolis, Ind.



Studebaker Model Poultry and Egg Farms

Breeders of Single Comb White Leghorns, Rose Comb Black Minorcas, Rose Comb White Minorcas, and White Holland Turkeys. High Class stock for sale. Eggs in any quantities.

Studebaker Model Poultry and Egg Farms

South Bend, Indiana

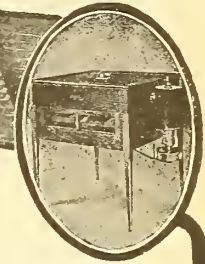
COLLINS' RELIABLE POULTRY REMEDIES

Roup Cure, 25c. Cholera Cure, 25c. Diarrhoea Cure, 25c. Poultry Tonic, 25c. Cond. Powder, 25c. Cure Guaranteed.

Poultrymen, my remedies are backed by professional services. Convince yourself of the unequalled qualities they possess by giving me a trial order, and if they do not prove superior to any you have used I will cheerfully refund your money. I know positively from practical experience and unsolicited testimonials from users, that these remedies will meet every duty required of them with never failing results. Accept no substitute, as there is none just as good. Agents wanted, liberal inducements. Send stamp for descriptive Circular.

Mfg. by C. J. COLLINS & Co.

Hartford, N. J.



MODEL

INCUBATORS

That give you satisfactory hatches without constant attention.

BROODERS

That rear practically all the chicks put in them.

POULTRY FOODS

That are made of sweet, wholesome grains, uniformly cracked, pearled and graded. Contain all the elements needed for quick, rapid and healthy growth, including the meat food. Bowel troubles and losses are eliminated when using these foods. Send for circular and let me tell you about them.

CHAS. A. CYPHERS,

301 HENRY STREET, BUFFALO, N. Y.

**Good Openings
in South Dakota**

An important railroad extension through Lyman County, South Dakota, is being built by the

**Chicago, Milwaukee & St. Paul
Railway.**

Land in Lyman County is now selling at from \$5.00 to \$15.00 per acre and values will probably increase 100 or 200 per cent as soon as the new line is completed.

This is a splendid opportunity to secure a good farm at a low figure. Low rates to South Dakota every Tuesday this summer.

Ask the ticket agent about train service and rates, or address

F. A. MILLER,
General Passenger Agent
CHICAGO.

A valuable book on South Dakota
and its opportunities sent for
two cents postage.

THE JUNE AMERICAN BOY.

In the thirty-two pages which comprise the June *American Boy* there is not a dull line; and both in variety and class of matter the paper is head and shoulders above any other periodical for boys. The cover page, entitled "Texas Bids Goodbye to the President," showing a great throng of happy, smiling faces, makes an appropriate index to the high-class stories and articles in the magazine. Kirk Munroe's stirring story, "For the Mikado," is advanced three chapters. "A Page Without a Pull," being the story of a page in congress, finishes most happily, and Mr. Spalding concludes "The Origin and Early History of Baseball." Further chapters of "My Four Years at West Point," and "A French Frog and An American Eagle" are given. Among the many larger articles and stories which will delight the reader are: "Bunker Hill Day in Boston," a most suitable story for June; "The First Marathon Race," which gives the origin of this race which is now a part of important athletic meetings. "Animal-Devouring Plants" tells of the queer food that certain plants require. "In Lemster Woods" is a thrilling story of two boys and a hunger-crazed wolf. "Hendricks' Last Run" is a fine story of school athletics. "An Analysis of Sprint Running and Starting" will appeal to all who go in for this sport. "A Shivarree" at Wright's is a humorous story. "The Sylvaton Idea" tells how tree planting became popular in Dakota. "Japanese War News" is an interesting story about the Japanese newsboy and the "Extra."

"WITH PERRY IN JAPAN."

John S. Sewall was captain's clerk on the Mississippi, the steam frigate that carried Commodore Matthew Calbraith Perry, in 1853, when he was the bearer of a letter from our government to the mikado asking for a treaty. The demands of this treaty, its signing and its influence are matters of history, of course; but personal recollections of such an expedition are especially interesting reading just now, and the July *Century* will contain Mr. Sewall's story, "With Perry in Japan," in which history will be pleasantly enlivened with anecdote and reminiscence.

SUMMER HEALTH AND COMFORT.

The season of hot weather is a trying time for most every one, particularly the housewife, upon whom depends in large measure the well-being and good nature of her family. Hot weather health and comfort is discussed, with many practical recommendations, by Isabel Gordon Curtis in the July *Delicatore*, the paper being a chapter in "The Making of a Housewife." Other seasonal suggestions are given in "A Snow Ball Luncheon," illustrated; "Milk as a Food," "Fruit Fantasies" and "New Ways of Serving Strawberries," containing recipes for many refreshing summer preparations. Plans for a summer camp and house furnishing ideas are other features of this number of the magazine and are of particular interest for their timeliness.

BUSINESS PRINCIPLES IN THE HOME.

The adoption of business principles in the home is not only one of the ways to obtain happiness, it is the only way, says

Spavin cured in its early stages
Pratts Veterinary Liniment.

Made by Pratt Food Co., Phila. Over 30 years old.

Good Housekeeping for June. We are speaking now of the average household composed of an average man and an average woman. And here is the first step toward happiness: First, the husband must have the absolute right to refuse money to the wife; second, the wife must have the absolute right to demand money from the husband. It doesn't look like affection, it doesn't seem connubial. But analyze it.

The June number of *Outing*, with its two dozen articles, ranging from the best and latest fiction from the pen of Charles G. D. Roberts to the thoroughly practical solution of one very vexing country-living problem, emphasizes the wide appeal this handsome monthly is making to the magazine reading public.

Mr. Roberts' new serial is called "Red Fox." It is perhaps the best animal story he has yet written; and that is enough to say of the new work of a writer who has given us the most interesting, the truest to life, animal stories.

Of travel articles, Mr. Terry's paper of the many strange human types which meet on the prosperous island of Java, is of unusual merit and of practical timeliness now, when all eyes are turned to Far Eastern waters.

In *Scribner's Magazine* for July there is a narrative of unusual interest at this time. It is a very full account, written by John Kilby, a quarter-gunner on the Bon Homme Richard, of the great sea fight which is the most brilliant event in the history of Paul Jones. The late Augustus C. Luell, who a few years ago wrote a brilliant history of Paul Jones, soon after its publication was put in possession of this unpublished narrative by the descendants of Kilby, who live in Virginia. The old sailor wrote the account in 1810, and Mr. Buell says it is remarkable for its accuracy, except in some confusion of names. Kilby stood by Paul Jones when Pearson surrendered, and gives a vivid account of the incident of the sword. The whole story is as realistic as though written yesterday of a current event.

G. M. Shook, proprietor of the Rosedale Poultry Farm, of Joplin, Mo., writes that he has about one hundred S. C. Black Minorca hens for sale now at a very reasonable price. They are all good birds; in fact they are most of his 94, 95 and 96 point birds, and are two years old; this will demonstrate that they are not culls. These were all trap nest birds and are heavy layers, and were selected as heavy layers to breed from last year. The coming on of young stock makes it necessary to dispose of these at a bargain.

C. W. & H. E. Hosmer of Union City, Mich., have a fine lot of Single Comb White Leghorn youngsters coming on, and wish to dispose of some of their old stock to make room for them.

EVERYTHING TO ITS USE.

No man in his senses would use a four-horse harrow to smooth up a pansy bed. This would not be much worse, however, than using laundry or toilet soaps for shaving. Common soap, like the harrow, is intended for coarse work. It will yank up the dirt in fine style, but if used for shaving, it will burn and irritate the face, and make the operation of shaving a horror. You need a special soap for shaving—one that will soften the beard and leave

Only one best
Pratts Powdered Lice Killer.

Made by Pratt Food Co., Phila. Over 30 years old.

How's Your Face?

It should be soft and smooth after shaving. If it isn't you are not using

WILLIAMS' SHAVING SOAP

Sold everywhere. Free trial sample for 2-cent stamp. Write for "The Shavers Guide and How to Dress Correctly."

The J. B. Williams Co., Glastonbury, Conn.

the face cool and smooth—such a soap as the famous Williams' Shaving Soap, made by the J. B. Williams Co., Glastonbury, Conn., who will send you a free trial sample if you will write them. Their generous offer appears in another column.

Mrs. T. F. Leonard, Mt. Sterling, Ohio, who breeds choice White Wyandottes, is offering some bargains in breeding this month. She has also made a big reduction in eggs for the balance of this season. Look up her ad elsewhere in this issue and write her at once if you want a bargain.

J. A. Leland of Springfield, Ill., is now offering a majority of his this year's breeders and their eggs at half price, and writes that he does not believe that the same quality of stock can be bought for less money. He reports a good egg trade with but few reports of poor hatches. He breeds Rose Comb White Leghorns, Single Comb Buff Leghorns, Barred Plymouth Rocks and Light Brahmas.

The Otter Creek Poultry Farm Co. of Watertown, N. Y., announce a slaughter sale of breeders at less than half their value, including 100 Barred Plymouth Rocks, 100 S. C. White Leghorns and 50 S. C. Black Minorcas. These birds are all young and healthy and are great layers. They have also reduced the price of eggs for the balance of the season. This is without question one of the great bargains of the year and breeders should correspond with them.

July and August are the two most trying months on the young chicks and behooves the fanciers to pay strict attention to the comforts of his feathered pets during the hot days.

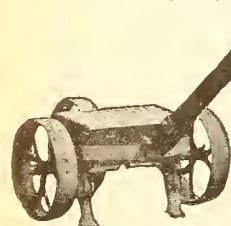
Where chicks have free range during July and August it is not necessary to feed much meat, as the bugs and grasshoppers they get on the range will be sufficient.

Use a good liquid paint on the roosts. I paint the bottom of the roost-pole and this seems to answer the purpose, thus preventing the plumage from being soiled.

Get rid of the worms
Pratts Vet. Worm Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

Something
New



Strathmann's Poultry Yard Seeder

A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in 1 year. Its weight is 30 lbs., sows 2 rows 10 ins. apart and cultivates your ground.

Will do what all poultrymen and journals say, keep your chickens scratching. Our seeder has proved itself a winner at the Chicago poultry show by having a larger attraction than any other exhibit. Simple, durable and practical; can't get out of order. Any boy or girl can operate it. Send for circular.

Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.



To Distribute
Grain and Seeds
For Scratching
Fowls.

KILLING FOWLS FOR THE TABLE.

About this time of the year a good many small poultry keepers will be thinning out their stock by killing and eating the surplus cockerels. These young birds take up a lot of room when the run is very limited, and as they would be of no use to keep for stock purposes—at least the cross-bred cockerels would not—the sooner they make their appearance on the table the better. Professional poulterers and many farmers have so much practice in killing chickens that the operation is to them a very simple one. The amateur, however, generally finds it a difficult matter to deprive his fowls of life, and in his rough endeavors is sometimes guilty of causing them considerable sufferings. Such primitive attempts as trying to chop the heads off with a garden spade, or else screwing the neck round and round without any apparent result, are not uncommon. Occasionally people will give up poultry keeping because they find it too difficult and unpleasant to kill their birds humanely, while others always send them to the poulterer to be slaughtered.

Wringing the neck, which is considered the most satisfactory and the least painful mode, does not consist in turning the neck round, but in disjoining the vertebrae by a certain jerk. It is much easier to learn how to perform this if a practical illustration can be had from a skilled person. But this is not always obtainable. The fowl should be placed across the knees, breast downwards, with the neck held over the right knee. The neck is then quickly and firmly extended and the head bent back suddenly with some force. By this means the neck should be dislocated just below the junction with the head, and death should be instantaneous.

A method followed by a good many people who are too nervous or who are unable to wring the neck properly, is to tie the legs of the bird and then stick it with a small but sharp knife in the jugular vein behind the ear. This causes death in a few seconds, apparently without pain, only one or two spasmodic struggles being given. One of the easiest ways for a novice is to behead the fowl with a sharp chopper or axe. This is rather a dirty process, but if the bird is to be eaten at home it is as simple as any and one over which no mistake can be made; but it will not do if the fowl is to be sent to market, for it is the custom to sell the dead bird with the head on. Another way is to take the bird by the legs, and with a short thick stick strike a sharp blow across the back of the head. This should cause insensibility and death. If hung up afterward by the legs the blood will flow into the head and neck, leaving the flesh white. An efficacious and painless method of killing is to firmly grasp the neck with the fingers of one hand and swinging the bird round, holding the neck tight. The weight of the fowl will break the neck. The use of the knife by thrusting it through the mouth into the brain requires some skill, so it is more humane not to attempt this until shown by some one who understands it.

It is important that all fowls be kept for eighteen hours without food before being killed; the crop will then be empty and they will keep longer. After the birds have been killed it is advisable to pluck them while still warm. The feathers come out more easily and the skin tears less readily.

A. V. MEERSCH.

Poughkeepsie, N. Y.

\$50 IN CASH PRIZES.

...GIVEN BY...

American Poultry Journal Pub. Co.

If you know anything about poultry you may win one of these prizes. We want you to tell our readers briefly what you know about one or more of the following subjects:

The process of molting. Care of the fowls during this period. What to feed and how to feed it. Is delicate color and gloss of plumage affected differently by different foods. If so, how and why? A general treatise on the subject of molting.

The best and most thorough explanation of line-breeding, with a detailed plan for establishing a strain, a clear and concise statement of the principles involved in developing the desired characteristics of the fowl and embodying the results of too close inbreeding.

Preparing birds for the show room. Instructions which will enable the amateur to take advantage of the many little details, which add to show condition. How to feed and care for the birds during their close confinement in show coops.

Instruction to the beginner whose ambition is to get prominently before the public as a fancier and breeder and establish a paying business.

The best method of starting a market poultry plant. The amount of money necessary to purchase stock and the profit to be expected from the outlay suggested. The amount of ground, number and size of buildings required and suggestions in regard to economical and successful management.

How to advertise successfully. Points to be considered in selecting a medium. Conditions affecting an ad and hints on the advantage of continuous advertising.

Has the specialty breeder greater chances of success than the breeder of several varieties, as regards prominence and high prices for stock and eggs? If so, why?

Advice on management of incubators and the advantage of their use even though hens are available for the purpose.

Success with brooders. How to feed and care for the chicks.

Rules to be observed in getting the highest percentage of fertile eggs. Hints on house room, feed, care, selection and mating, as affecting fertility of eggs.

\$25 For the Best Article

\$15 For Second Best Article

\$10 For Third Best Article

For the next five best articles a copy of the New Illustrated Standard of Perfection will be given.

For the next five best articles, one copy of the book, "Why Poultry Pays and How to Make it Pay," will be given.

The list of subjects has been selected with a view to covering a wide range, so that every breeder will find some subject with which he is familiar enough to write upon with a fair chance of winning. THE CONTEST CLOSES OCTOBER 1, 1905. All copy must be in our hands not later than this date. The articles must be original and not have been published before. They must contain not less than 1,800 nor more than 2,500 words. The writer who covers his subject most thoroughly and presents it in the most comprehensive manner will be given first prize. We reserve the right to retain all articles sent in and to publish them, if we so desire, giving full credit to the writers.

These prizes are worth trying for. You can lose nothing but a little time and you may be one of the winners.

Prepare an article at once and send it in. Address

AMERICAN POULTRY JOURNAL PUB. CO.
325 Dearborn St., Chicago, Ill.

SOME RARE BARGAINS

As we need the room for the thousands of young Wyandottes growing up I will offer at **Bargain Prices** for quick sales some FIVE HUNDRED line-bred selected breeders, high-class exhibition birds and choice utility fowls. To make sure you get the best blood obtainable place your order with

JONES, THE WYANDOTTE MAN

SILVER, GOLDEN and WHITE WYANDOTTES, G. S. and S. S. BANTAMS, winners at all the leading shows of the world, including the bulk of the ribbons at the last Chicago Show. All the birds offered in this sale are line-bred stock and from our breeding pens. Send for my 36-page catalogue and Bargain list, a book worthy a place in any library; handsomely illustrated in colors, mailed on receipt of 4 cents in stamps for mailing.

EGGS FOR HATCHING \$3 per 13, \$5 per 26

Six grand litters of Scotch Collie Puppies, fashionably bred, for sale at reasonable prices, quality considered.

R. E. JONES, "The Pines,"

R. F. D. 5, Paducah, Ky.

THE CHANGE OF YOUR LIFE

ARNOLD'S BUFF LEGHORNS

...AND...

Silver Penciled Wyandottes

Will be sold at once, good will, etc. A good chance for some one to start in one or both of these popular fowls and be at the top from the start. Our Buff Leghorns are without a doubt the leading strain in the world. At the St. Louis Exposition we won the Championship Cup for best collection and had plenty of points left.

Our Silver Penciled Wyandottes have never failed to win first on cockerel at Madison Square Garden, having done so every time shown. At the last show we won 1st on cock, and first on cockerel. Three first prize New York males are in our yards now and go with the lot. Our females average as fine as any flock in America. Any one interested in one or both of these varieties will address

AUG. D. ARNOLD,

Box 777, Dillsburg, Penn.

A White Wyandotte Sale.

To make room for our thousand growing chicks we offer 500 breeders at different prices, and in lots to suit purchaser. Remember we have the

ORIGINAL WORLD'S BEST

Having just issued a sale slip with several lots described with prices, we have also reduced price of eggs for June and July to \$2.50 per 15 from our select matings. A chance for quality at a reduced price. If in want of foundation stock please do not let this chance go by. Speak quick for this stock will move. Send for sale slip and catalogue, which will tell you all, just for the asking.

J. C. FISHEL & SON

Box J, Hope, Indiana

MAKE YOUR POULTRY PAY.

It will not if you do not keep the lice down and feed a good wholesome, balanced ration. Our Triumph Lice Remedies and Poultry Foods will make it easy sailing. Write today for circulars.

ELMDALE FARM, C. L. DUFFIELD, Prop.

Room 11, Commercial Bldg., Marshalltown, Iowa

THERE IS HARDLY A MAIL

but new evidence comes up that the results of

DUSTON'S

careful and painstaking breeding during the past dozen years or more is helping even the most prominent breeders. For it brings home the fact that my customers, who have bought their

WHITE WYANDOTTES

direct, not only sell their eggs to these breeders to fill their order with, but that they hatch them for their own pens as well. Verily the truth grows—that Duston is the breeder that has made possible the "World's Best" flocks. Stock and eggs from headquarters is what you want. Send your wants to

ARTHUR G. DUSTON

Box 1020,

So. Framingham, Mass.

ON TO CINCINNATI.

The management of the Cincinnati Poultry and Pet Stock Association proposes to make good its promise that it will more than repay the American Poultry Association for voting to meet in the Ohio city.

The Cincinnati management is in the habit of carrying out a very successful show each season. The gentlemen in charge fully appreciate that "the eyes of the world (poultry world) are upon them," and they will, in consequence, put up a better attraction than ever before.

The officers of the association are as follows:

President—A. E. Brooks, Seventh and Freeman avenue.

Vice-Presidents—George E. Morlidge, F. C. Wright, E. M. Barnes.

Secretary—Thomas J. Foy, P. O. Box 122.

Treasurer—H. B. Clark, Seventh and Freeman avenue.

We will keep our readers fully posted in regard to this meeting. Cincinnati is ground where the Eastern and Western breeders can unite in making a very interesting exhibit.

THOMAS F. RIGG.

EL RENO, O. T.

The Canadian County Poultry Association was organized in El Reno, Okla., June 17, and the following officers were elected: President, A. K. Gore; vice president, L. G. Adams; secretary-treasurer, V. B. Allee; superintendent, S. W. Gerhart. The first annual show will be held at El Reno, O. T., Jan. 1-6, 1906. C. A. Emery, of Carthage, Mo., judge.

DWIGHT, ILL.

The second annual exhibition of the Dwight Poultry Association will be held Dec. 11-16, 1905. Ben S. Myers, judge; H. A. Wood, secretary, Dwight, Ill.

PRAIRIE DEPOT, OHIO.

The Prairie Depot, Ohio, Poultry Association was recently reorganized, with the following officers: President, J. E. Lucas; vice president, N. J. Werebaugh; secretary-treasurer, Rev. C. W. Collinge; superintendent, Ralph Basey. The exhibition will be held on Thanksgiving week and a fine show is promised as a great interest is taken in breeding fancy and thoroughbred poultry in this township, which is particularly well adapted for the business.

CHARLOTTE, N. C.

The ninth annual show of the North Carolina Poultry Association will be held at Charlotte, N. C., Jan. 16-20, 1906. H. C. Schwab, judge; W. B. Alexander, secretary.

CLARKSBURG, W. VA.

The second annual exhibition of the Clarksburg Poultry and Pet Stock Association will be held on Dec. 20-22, 1905. T. E. Orr will do the judging. Send for premium list, which is now ready for distribution.

Kills in half time at half cost
Pratts Liquid Lice Killer.

Made by Pratt Food Co., Phila. Over 30 years old.

Care of Chicks During the First Eight Weeks.

Editor AMERICAN POULTRY JOURNAL:

I am going to write a short sketch upon rearing chicks to the age of 6 or 8 weeks. If you think it will be of any benefit or interest to any of the many readers of AMERICAN POULTRY JOURNAL or not too tiresome, you may put it in print. In the first place we must take the chick from the very time it comes out of the shell and give it our attention if we would be successful. I leave my chicks in the incubator for at least 48 hours after the first ones come out of the

about 60 hours old before putting any feed into its crop. I have a little fine grit in the brooder for them to pick at and give from that time on plenty of pure, clean water. When feeding is begun, then feed regularly five times per day just enough good feed that they will clean it all up and still be a little hungry. I like to feed the prepared chick feed to beginners, such as is advertised in AMERICAN POULTRY JOURNAL. One of the principal things to look after in rearing chicks, either in brooders or with the mother hen, is "cleanliness." It is said that "cleanliness is next to Godliness," and I certainly think that saying

small and gradually work down to (some people say) three times, but I say four times a day, for I feed four times a day to all growing stock until matured; keep the heat up and not over 90 degrees and not under 70; keep them scratching for their feed and I think you cannot help but be successful. One thing more and I am through. I am breeding S. C. W. Leghorns and find them no trouble to rear at all, except just when they begin to feather over the head and crop. Now I suppose all Leghorn breeders find the same trouble. I have about overcome the trouble. I feed a mash feed at noon made of oats, rye, corn, equal parts, crushed together very fine and mix with common bran. I mix it with prepared meat well scalded or better yet granulated milk, scalded for one or two hours, then stir in the above meal until it is nearly dry. I hope the readers may get at least one good point out of this and will not think me egotistical for using I so often, but I was only telling what I do, and not telling others to do it unless it sounds reasonable, and what is successful with me may not be with others, but hope some will try the above.

JOS. A. BURKHART.

Smithsburg, Md.

Keep all hens with broods in their coops, allowing only the chicks freedom, at least till the dew is off the grass.

The Original
World's Best
Only a Sample of
Fishel's
White Wyandottes
J. C. Fishel & Son
Hope, Ind.

Only a sample of Fishel's White Wyandottes, bred and owned by J. C. Fishel & Son, Hope, Ind.

shell and after having my brooders heated to the proper temperature (say 90 degrees at the highest and maybe 88 is plenty high enough), I put the little chicks carefully into the brooders and am very careful not to put over 50 in any brooder and would rather have only 40.

I do not feed my chicks one morsel of feed until they have been in the brooder at least 12 hours, making the oldest chick

Original stock food in America
—Pratts, over 30 years old.

is nearer true in poultry rearing than in anything else. Clean the brooder thoroughly twice a week and when it is all clean pour about two tablespoonfuls of coal oil over the bottom and dust over that enough South Carolina dissolved bone to dry up the coal oil and take up other moisture that will be made there in the next three or four days. The South Carolina bone kills all the foul smell arising and is one of the best things I can find to keep down lice. If you can keep down lice, keep clean quarters, feed five or six times a day when

You Must Sleep.

If you cannot, it is due to an irritated or congested state of the brain, which will soon develop into nervous prostration.

Nature demands sleep, and it is as important as food; it is a part of her building and sustaining process. This period of unconsciousness relaxes the mental and physical strain, and allows nature to restore exhausted vitality.

Dr. Miles' Nervine brings refreshing sleep, because it soothes the irritation and removes the congestion.

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Nothing will give strength and vitality as surely and quickly as Dr. Miles' Nervine.

"During the past winter I had two attacks of LaGrippe which left me very weak, and in bad condition. I was so nervous I could not sleep. My wife, after trying different remedies, went for a doctor. The doctor was out, and a neighbor recommended Dr. Miles' Nervine, and she brought home a bottle. I had not slept for some time, and had terrible pains in my head. After taking a few doses of Nervine the pain was not so severe, and I slept. I am now taking the second bottle, and am very much improved."

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Miles Medical Co., Elkhart, Ind

IN ANNUAL SESSION.

The annual meeting of the Petaluma Incubator Co. was held at the office of the company at Petaluma on Wednesday evening. Full reports were presented from the company's eastern branch at Indianapolis, and the San Francisco store as well as the factory and sales department at Petaluma. The conditions proved to be most satisfactory and encouraging to all interested in the company. From the net gain during the past year a dividend of 6 per cent was declared and a very good balance added to the surplus. Plans for the future were discussed among which is not only some additions to the already large factory, but the addition of considerable new machinery. The company starts with bright prospects for a largely increased trade for the coming year.

The last year's officers were re-elected as follows: L. C. Byce, president; H. C. Gray, vice president and general manager; C. H. Taft, secretary; H. R. Campbell, manager poultry supplies; George A. Chittenden, foreman finishing department.

"HAPPY HOOLIGAN" SPEAKS FOR HIS FAMILY.

I have been wanting for a long time to introduce myself to the beautiful birds, whose pictures I have seen, clipped from THE AMERICAN POULTRY JOURNAL to decorate my cozy home nest, and finally concluded that it was a funny thing, if a pretty bird like myself had no right to his own paper and no say in the matter regarding his own family; so here I am with wings spread and beak apart to tell you how we are taken care of these wintry days. While I am not a vain bird, I shall have to admit that I am a beautiful Buff Rock Rooster, named "Happy Hooligan." My family numbers about thirty. Ten children and twenty grandchildren: all happy like their parent: ever active, with good appetites and fine manners. Our mistress is bubbling over with enthusiasm, in regard to our deportment, so lest she get a "swelled head," having prevented our getting one, I will crow low, before I go any farther.

Very early in the morning, almost at break of day, a nice warm breakfast of potatoes and meat scraps is emptied into our feeding trough: then into a bundle of hay is scattered a liberal al-

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Made by Pratt Food Co., Phila. Over 30 years old.

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to make room for growing stock. White Leghorns, White Wyandottes, White Rocks, Barred Rocks, Black Minorcas, Light Brahmas. Descriptive catalogue free. ELM POULTRY YARDS, Box 121, Hartford, Conn. Established 1888.

lowance of warmed wheat and oats, and very often two or three charred ears of corn are thrown in to us. A "punch ball" of cabbage suspended by a string from the ceiling, causes all birds to have a "bill" in it and the best punchers receive—the most cabbage. A dish of gravel or cracked oyster shells, are ever at our disposal, and a pan of fresh water is supplied twice a day.

Our coop is cleaned every morning the year around so we never sit over our droppings; causing us to be a very healthy flock.

When I spoke of my family, I was so overcome, that I could not mention the fact that fourteen fine pullets (with nary a tick or black feather), was sold for a good price, also three beautiful cockerels, while seventeen of the latter were fattened for Xmas dinners. But I am too "chicken hearted" to dwell on these sad scenes, so I will pass on.

Since November 1st my family have produced 17 dozen eggs, all of which sold for 25 cents and even more a dozen. The other day a neighbor called to see us, and I overheard her ask my mistress the secret of her success in the poultry business (and as we fowls are a bit curious), I "rubbered" my neck and I heard her say—"it is largely due to the general information contained in the AMERICAN POULTRY JOURNAL," and I "rubbered" a little higher as I saw her take out a pencil and say "put my name down as a new subscriber"—(fact)—I gave one long, loud crow.

Now pretty birds should I not get the axe, or a "fight to the finish," for venturing in among you, I may come again, and tell you many of our secrets, and why we have proved successful from young chicks to flourishing hens. With a farewell crow, I will fly over the page. Sorry, indeed, that mistress must sign her name, but I can only make tracks.

MRS. FRED A. LITTLE.

Mt. Clemens, Mich.

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Darling & Company, Dept. C, Union Stock Yards, Chicago.

no small matter with most people. And yet there are thousands who are doing this very thing raising poultry, and this same thing can easily be accomplished by anybody who will conduct it in an intelligent manner. It is just for this latter class that this book has been designed and by following its simple instructions success will be sure and the profits large.

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Enclosed find 4c in stamps for which please send me on approval, your new book, "Successful Poultry Culture for Pleasure and Profit." If I want the book I agree to send you 50c for it. If I don't want it, I agree to return it to you within 10 days.

Name
Town
State

Chicago, June 23, 1905.

Chicago Poultry Supply House, 607 Lakeside Bldg., Chicago, Ill.

Gentlemen: Please send me 100 pounds of your Balanced Hen Ration, as soon as possible. I have been very much pleased with it and found it quite a success. It makes the hens lay more than ever and the only feed I ever found with such a quantity of charcoal in it. Yours truly,

MR. G. BEAR,
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The brooder lamp should be carefully cleaned each day. Ditto incubator lamp. This lessens the liability of fire. Air the eggs in the incubator regularly and cool them down with care.

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are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fauzy market eggs has been the main object, standard qualities have not been neglected. They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Stock for sale. Eggs for Hatching \$2.00 per 15, \$3.75 per 30, \$5.00 per 45, \$10.00 per 100. From winners pen \$3.00 per 15, \$5.00 per 30. Illustrated circular free.

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Questions and Answers

Questions asked by subscribers will be answered in this department.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—What do you consider to be the reason where chicks hatch in sixteen days? I set a hen May 24, in the evening, on nine eggs, and yesterday noon six chicks came out lively as crickets. Although I have set hens many years, I never had such a thing happen before. (Set my first biddies twenty-seven years ago.) The conditions: Eggs were laid May 14, 16, 17, 18, 19, 20, 22, 23 and 24. Hen that laid them is on the fifth year; in a pen all by herself, and a small yard 6x3 by herself; let out once a day to cockerel of same strain, and lays her eggs in a nest of her own. Eggs always taken before they get cold. As I value this hen and chicks after her more than others, I would like to know if any special treatment is of value. I took the three remaining eggs and as they seemed to be going on in the same way as they should, I put them under a hen that sits on six eggs from aforementioned hen. The hen is fed just as the rest, only a little more care is given her than any others, because she is my foundation hen

and can do stunts as a trained dog. Her record is 278 eggs March 1, 1903, to March 1, 1904. Some hens after her is just like her.

Chicago, Ill.

[Can some of our readers explain this? —Ed.]

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—I have some very nice chickens and they have always been healthy. I have recently lost two and on opening them found their livers covered with yellow spots. Please tell me what to do for them. Some of my hens have a cackling, heavy breathing; seem to be well, but when I go into the henhouse they all seem to be wheezy. What is the cause? The chickens with the liver trouble are about six weeks old.

Woodstock, Ill.

Answer: Tuberculosis of the liver is what caused the death of your chicks. This disease is incurable and the only thing to be done is to thoroughly clean and disinfect your houses and runs. We believe that your whole flock is affected

and that you have bred from diseased birds the past season. Put your place in a thorough sanitary condition and dispose of all your old birds and start with an entirely new strain.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please answer in your next issue the following:

1st. I have lost several hens (most of them were setting hens) with a disease unlike any I have been able to read about. The hens will get off the nest, sit or stand around in a stupid condition, heads turn a bloodless color, droppings are green and will live two or three days, and when die fall over and seemingly have fits and die in half minute. Have lost some fine ones this way.

2d. I am a beginner and would like to know what is the best kind of poultry to keep for an all around kind.

3d. Am on a farm of eighty-two acres, some timber and lots of pasture, river along south side, south slope. Can I keep 500 hens and will they need much feed in summer?

4th. How many hens for one rooster on above described place?

B. H.

Iowa Falls, Iowa.

Answer: 1st. From the description given we believe your hens are afflicted with bacterial enteritis. This disease is caused by several distinct varieties of bacteria and is frequently mistaken for cholera. The cause can usually be traced to improper feeding and impure water. After the disease has broken out in a flock, the first effort for its eradication should be a general cleaning up and dis-

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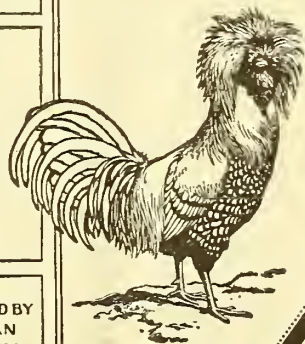
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infection. The disinfectant may be a 5 per cent solution of carbolic acid for saturating the floors and woodwork of the buildings, followed by a thorough application of whitewash, and give the following medicine: Subnitrate of bismuth, three grains; powdered cinnamon or cloves, one grain; powdered willow charcoal, three grains.

This may be given twice a day, mixed with the food or made into pills with flour and water.

2d. We never say which is the best breed for any purpose.

3d. You can easily keep 500 hens on eighty-two acres, and they will require very little feed during the summer months.

4th. One cock to twenty hens.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer through your paper how to tell the age of chickens. C. F.

Fort Wayne, Ind.

Answer: There is no way of telling the age of chickens.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—In the Question Department of the July issue of your valuable paper would you oblige me insofar as to tell me:

1st. How should Black Langshan chicks be marked and what should be the color of their legs?

2d. What causes setting hens to break and eat their eggs. They are each in a separate yard 3 feet long 18 inches wide and 1 foot high. They have fresh water, shelled corn, oyster shell and mica crystal before them all the time; also green grass. J. L. S.

Viroqua, Wis.

Answer: 1st. When hatched are generally black with white showing to a greater or less extent. Legs, bluish-black.

2d. This habit was probably contracted during the winter, and is generally caused by too close confinement and lack of exercise. A hen that is kept busy will not get into the habit of egg-eating.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Please answer the following in your next issue: Would a tent made of ordinary table oilcloth, with a glass or burlap front, in any way make a satisfactory scratching shed for laying hens in winter; also for a brooder house in the cold months of early spring. S. G.

Glen Rock, Pa.

Answer: This might answer very well for a scratching shed, but do not believe it would be suitable for a brooder house. We would not advocate the use of oilcloth for this purpose, when tarred-felt paper can be procured so cheaply and is much better for the purpose.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Being a Buff Rock breeder, as well as a subscriber to your interesting paper, I would appreciate it very much if you would kindly answer the following questions in your "Questions and Answers" department of your next issue: What is the cause and prevention of ridges in eggs and what effect would they have on chicks hatched from them? I have heard they produced deformed chicks. I bought a setting recently from a breeder and most of the eggs were ridged, one ridged one hatched, another ridged one had a full

grown dead chick in that had pipped the shell, but did not get out; four others hatched, making five in all, while the remainder hadn't any germs in at all. At this time they are about four days old. One has always stood around very mopey looking and whenever it swallows anything it twists its neck as if it was choking; it keeps its eyes closed most of the time. Can you tell me the cause of it? If it was from my own eggs I should have it killed; hardly think it can live. Two of the chicks have feathers on their legs and very long whitish wing feathers are coming. Even the down on the wings is very light in color, and one little one has dark flesh-colored feet. Are all these things admissible in pure first-class Buff Rocks? Mine always hatch with yellow feet and without feathers on legs.

MRS. W. M. W.

Island Heights, N. J.

Answer: There has been a great many theories advanced as to the cause of deformed eggs, but we doubt if any one can tell the exact cause. It is no doubt due to some irregularities in the oviduct, but it is impossible for us to say just what brings this about. We do not believe that the shape of the shell has anything to do with crippled chicks, as we have hatched some very fine birds from eggs that were of very poor shape. On the other hand, we have hatched crippled chicks from eggs that were as near perfect in shape as they possibly could be. We don't believe the shape of the egg has anything to do with the producing of the condition of the little chick you mention. This chick was no doubt produced from a weak germ and will probably never amount to much, even if it does live. Buff Rock chicks should be buff in color when hatched, with clean yellow legs and feet and no white should appear in plumage at maturity.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—I have a good strain of S. C. White Leghorns and some of my young chicks have feathers on their legs and black feathers on their body. What is the cause of it? P. J.

Pleasantville, Iowa.

Answer: It is very evident that some foreign blood has been introduced into your flock in some way unknown to you. You should dispose of all birds showing these defects.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please answer in the next issue of your JOURNAL: Will chickens hatched this season be good for breeding next season with a two-year-old cock? What will be the results from a chick hatched from a pullet and a cockerel of the same blood? A. S.

Great Falls, Mont.

Answer: Mating a two-year-old cock with pullets is considered one of the best methods of breeding. No one can tell what the result would be of mating a cockerel and pullet of the same blood. This would depend somewhat on the individual specimens.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer following in next issue of JOURNAL:

1. I have a poultry house 20x60 feet divided into four pens. It is seven feet front and five feet back with hip roof, 9x17 feet faces south, 8 windows on south side, 10x12 glass 8 lights. It is double boarded with tarred felt between

and patent rubber roof. In the winter it gets very damp on ceiling. What is best plan for ventilation?

2. Do you consider fresh fish cut fine a good feed for poultry?

3. Are clam shells as good as oyster shells?

4. How old had chickens ought to be before taking away from hen?

Central Lake, Mich. J. P. L.

Answer: 1. You can probably get all the ventilation necessary in your house by leaving your windows open at all times except during real stormy weather. You can easily arrange your windows so that no direct draft will come on the fowls by tacking muslin in the windows during severe weather.

2. Fresh fish is a splendid feed unless fed to excess when it might have some effect on the flavor of the eggs. Feed this about the way you would feed fresh meat of any character.

3. Clam shells and oyster shells are about the same.

4. If the weather is warm, young chicks can be taken away from the hens when they are three or four weeks old, but generally thrive better if left with the hen until about two months of age.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir—Will you please answer in your next issue of the AMERICAN POULTRY JOURNAL the following questions:

1. Will lawn clipping well seasoned and kept until winter make a good food for chickens?

2. Will it make them lay better?

3. Will eggs that have been dipped in hot water hatch?

4. What will be their appearance when tested after they have been in an incubator for a week?

5. My S. C. W. Leghorn cockerels are from Nebraska and my pullets from southeastern Iowa. If these pullets are mated to this cockerel will it make a good breed both for sale and egg production?

6. Will cockerels hatched from eggs from the above be all right to mate to pullets from the above?

7. Will this make a good breed for sale and egg production?

8. Would it be all right to put hens with their children? If not, would it be best to keep them separate?

A. R. M.

Hampton, Iowa.

Answer: 1. If the lawn clippings contain considerable clover it will make a good winter feed when properly steamed. 2. Yes. 3. No. 4. If fertile they will have a cloudy appearance and a dark spot will be observed, from which a number of blood lines extend. If unfertile the egg will appear perfectly clear. 5. We are unable to say. 6. This will depend upon the individuals. 8. We believe it poor policy to yard old and young stock together, for the amount of feed that is required to keep a pullet in laying condition would make a hen too fat for best results.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Will you please answer the following questions under the headings of "Questions and Answers" department:

1st. What is the standard weight of Partridge Wyandottes for cock, cockerel, hen and pullet?

2nd. Can you tell me what is the matter with my ducks and cure for same. At night they get so they can

hardly walk and will not eat or drink, and gasp for breath. They do not live more than a day. They have free range and all they want to eat. E. F. P.

Walker, Mo.

Answer: 1st. Cock 8½ lbs.; cockerel, 7½ lbs.; hen, 6½ lbs.; pullet, 5½ lbs. 2d. From the meager details given we are inclined to believe that your ducks run themselves to death. Confine them in limited range and do not feed too much during hot weather. Keep fresh water where they will have access to it at all times, as a duck will not thrive unless they have water in which to wash their nostrils.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: I wish you would please answer the following questions: Why are not eggs good for cold storage after the last of May. I notice in a paper they are not worth putting away after the first of June, and are they the same way for keeping in water glass.

Jackson Center, Pa. X. Y. Z.

Answer:—The reason that eggs are not put in cold storage to any extent after the first of June is, that generally the weather is so warm that the eggs become overheated in transit and therefore are not suitable for cold storage by the time they reach their destination. Where it is possible to put them in cold storage at once without having them exposed to the warm weather for a week or ten days, this can be done at any time. Water glass can be used at all times.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: I have a chicken that her comb turned dark blue and she coughs as though she said *Whoa Ha*. What is the matter with her?

My young chicks are affected with a watery eye; only one eye is sore. What have they got? Can you give me a good remedy for both chicken and chicks?

A. L. L.

Kelly, Pa.

Answer: She is suffering from bronchitis brought on by a severe cold. A fowl that gets in this condition is not worth doctoring, and we would advise you to cut her head off and bury her. Your little chicks have, no doubt, contracted the same disease by your breeding from diseased stock. It is an impossibility to doctor little chicks if they are diseased when they are hatched; they will not amount to anything. You had better introduce new blood into your flock, and dispose of the diseased ones, otherwise your stock will never be any good.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: 1. What causes sore head? How prevented? Give remedy.

2. I have about 50 S. C. Brown Leghorn chicks; about half of them have well defined white bar across wings. Is this sign of impurity of breed? I bought the chicks from hatchery.

3. Every year about the first of April my hens begin to die with a disease that affects them as limber-neck, but I have cut open several and failed to find any maggots. They are nearly always taken suddenly, and are sometimes found sitting on the roost with their necks limber and heads hanging down. Their mouths and throats are filled with a slimy phlegm. Sometimes they will sit around on ground with their beaks resting on dirt for two or three days before dying. Last year I saved a few by giving a drop of car-

PAYNE'S CHICK FEED

Contains everything needed by chicks—grain and meat products. Send for sample. ALFALFA MEAL CO. 1632 Farnam St., Omaha, Neb.

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are in front among the best on earth. Distinguished for unusually narrow, clear, ringy barring, birds of any exclusive breeding in any hands winning five-sixths of the prizes competed for. EGGS from Wilkesbarre, Pittsburg, Elmira and Auburn winners, 30, \$3; 56, \$5.

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Fancy Buff and Barred Rocks

Bufs win two state cups in succession and over one-half of all cash and other specials at the last two cup competitions. Barred win five places at Fostoria. 400 Barred and buf to select from. Write your wants. Catalog free. Eggs in season.

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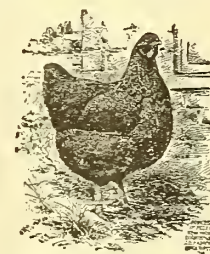


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are the champions of America. They have won more prizes at the large shows the past few years than those of any other breeder. In order to make room for growing chicks I will now sell 200 breeders and exhibition specimens at half price. It's the coming breed, so send for free catalogue telling about them.

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We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.

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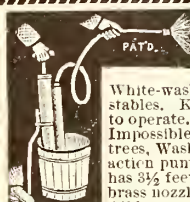
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Geo. Woelber,

Monmouth, Ill.



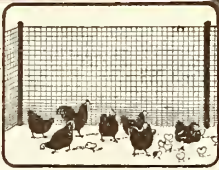
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J. W. WHITE

General Industrial Agent, Portsmouth, Virginia.

SEABOARD AIR LINE RAILWAY

bolie acid in a spoonful of water twice a day, but it doesn't help them much this year, and the small chickens are now taking the same disease.

4. Is it advisable to feed chicks scraps from table?

5. Can bantam chicks be successfully raised in same brooder with other chicks?

Ehrhardt, S. C.

T. D. J.

Answer—First. Sore head is caused by fowls being confined in damp, filthy and poorly ventilated quarters. This disease is very contagious and may be introduced into a flock that is kept in the best sanitary condition possible by the introduction of a bird from an infected yard. Where fowls are kept in clean, well ventilated quarters and given the proper food and water diseases are unknown. By the use of carbolic acid as a disinfectant the yards and houses can be easily kept in a healthy state. Use 5 per cent carbolic acid and 95 per cent water. To effect a cure and to keep the disease from spreading the affected birds should be isolated and the following treatment given: Bathe the affected parts with soap and water in order to soften the crusts, and afterward apply a solution of sulphate of copper (bluestone) a dram to half a pint of water. Sulphate of copper has been found destructive to many kinds of fungi, and, therefore, is promising in this disease. Carbolated vaseline can also be used with good results. Tincture of iodine, either by itself or mixed with 10 per cent of carbolic acid, may be used with success, but this remedy is rather severe and should only be applied sparingly and after the others mentioned have proved ineffectual. This local treatment should be accompanied by cleaning and disinfection of the houses, and, if possible, changing to new, uninfected runs. The feeding trough and drinking vessels should be daily washed with boiling water.

2d. Yes.

3d. This is a disease that is puzzling the best medical authorities on poultry in the country, and we are not well enough informed on the matter to be able to give a remedy.

4th. Table scraps may be fed chicks after they are two or three weeks old, providing they are not fed too often or too much.

5th. No.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: We are trying to perfect a new breed of hens. We began this year with one rooster and two pullets which might be brothers and sisters but do not know. The chickens do not seem satisfactory. Supposing we used these chickens another year, which would be best, to mate the pullets with the rooster we used this year, or use a rooster of another breed and then keep selecting the chickens most like the ones we wish each year, or would we stand a chance of getting any chickens like the hens? Please answer in "Questions" and Answers." Please tell me what is meant by pullet mating and cockerel mating; also how late can one sell broilers?

Forestville, N. Y.

Answer: If you are aiming to perfect a new breed of fowls you should not introduce foreign blood each year, or you will never reach what you are striving for. You will no doubt get a certain percentage of chickens like the hens, and by making careful selection each year and breeding from only the most

vigorous birds will no doubt accomplish what you desire, but it will take several years to do it. The terms pullet and cockerel matings, is used to designate the matings, where one pen has been mated to produce pullets and another to produce cockerels. There is a market for broilers at all times.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer the following in your "Question and Answer" department: First, Is it necessary to have pedigrees for chickens in order to have the right to call them thoroughbred or sell eggs from as being thoroughbred?

A. S.

Grove City, Minn.

Answer—No. Fowls are bred to conform to the requirements of the American Standard of Perfection, the only recognized authority on judging fowls. Price of this book is \$1.50. We are now booking orders for the new illustrated edition, which will be out about the first of September.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer this question in your question and answer department next month. Why do my little brown leghorns begin to look droopy and die when they start to get wings?

Georgetown, S. C.

F. A. H.

Answer: They are probably overrun with lice, and in their effort to produce feathers and feed lice it overtaxes their strength and they die. Take a piece of lard about the size of an egg and melt it, to which add one teaspoonful of kerosene oil and mix thoroughly, and apply this on the head of the chick. Rub this in thoroughly so that it reaches the skin and apply it at least once a day for several days, and we believe that you will see a vast improvement in the looks of your little chicks in a very short time. You must also keep your coops sweet and clean at all times, either by whitewashing same or scalding them out with hot water frequently.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir: I started with a pen of six Silver Wyandottes, five hens and one cockerel, bought of a noted breeder of Wyandottes, who claims his chickens have been line bred twenty years. Last year from this pen I raised twenty-nine pullets that were fit for breeding, the other having single combs. Last winter was obliged to kill my cock on account of rheumatism (he had had it more or less from the time we bought him), hence only had the cockerels raised last year to breed from. I bred two very fine vigorous looking cockerels to the old hens and pullets; eggs hatched exceedingly well, but have lost a great many of my chicks and none of them seem just right after about ten days old.

Chicks have had best of care and feed, clean, dry brooders, no lice, no bowel trouble, some of them moult around, refuse to eat much, die in a day or two. Others apparently well will be seized suddenly with something like epilepsy in people. They hollow, head draws backward, fall over on the side while the whole body quivers. After two or three of these seizures they die. I have some weighing about a pound that are now dying, refuse to eat much, become very poor and attacks of quivering of head and body, after which they seem dazed, die in a few days.

Will you please tell me in your next issue what the cause of this can be. Hens had best of care and feed last

winter, began laying last of December and laid well all winter.

Could it be caused by inbreeding by the man of whom we bought the fowls?

Will the chickens bred from this year be all right to breed from another year if we get new cocks to mate them with?

If I succeed in raising any of my chicks this year would they do to use as breeders another year?

Valparaiso, Ind.

M. L. R.

Answer: The symptoms noted lead us to conclude that your chicks are afflicted with intestinal worms. Examine in intestines of some of the chicks that die as described, and if any worms are found, give the chicks one-half to a teaspoonful of oil of turpentine to each chick. The following day give a half teaspoonful of castor oil or sweet oil.

We do not believe that inbreeding is the cause, but would not advise the use of this stock as breeders another season.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir: I wish to give you for publication under "Questions and Answers" a receipt for the so-called chicken cholera, or, as I believe, is simply indigestion, caused by overfeeding, which I believe is the true cause 99 cases out of 100:

Poelophyn 1 part.

Leplandrun 7 parts.

Black antimony 8 parts.

Dose, 1 teaspoonful to 40 hens, fed in a mash, mixing in the compound while dry, then add the water and stir thoroughly before feeding. Another way to mix this compound is: 1 heaping teaspoonful mixed with enough wheat flour to make 40 pills, when thoroughly mixed add water enough to make a stiff dough and roll and cut into 40 pills, and in severe cases give one pill in the morning and one at night until the bird is better. This we have found a success. The man that formulated this recipe told me that the cause of the disease was the enlargement of the gall and lying across the large intestine running from the crop to the gizzard produced inflammation and caused the death of the fowl, and anything that would reduce gall would save the patient. We have tried it for four years and with us it has worked wonders. I do not say but there may be just as good remedies as this, but this we have tried and found that it gave entire satisfaction to us and our neighbor poultry raisers.

Yours respectfully,

H. P. WHEELER.

Jonesville, Mich.

Young chicks should not be allowed to roost too early. Let them seek the roost of their own accord. Care should be taken, however, to prevent crowding in pens or brood coops. They will persist in piling on top of each other and the under ones suffer accordingly. The debilitating perspiration resulting in cases of this kind seems to take the life right out of them and weakens them to such an extent as to stunt them beyond the point of recovery.

There are some of the most beautiful and seemingly conclusive theories advanced in the poultry business that were ever sprung upon the untutored in any line of endeavor. Don't accept as truth all the advice offered.

Watch the breeding fowls carefully; grease with carbolated vaseline, all heads that are showing signs of the depilumy mite. Anoint all scaly legs and those showing signs of scaldiness.

White Wyandottes and Pekin Ducks

Greatest competition White Wyandottes and Pekin Ducks, winners in the greatest competition in the world: World's Fair champions; 1, 3, 6 and 7 on young Pekin hens; 2, 3 and 7 young drakes, 3, 5 old drakes and 4 old hen. Won 6th and special on cock in White Wyandottes, and I have the best in the world in my breeding pens for 1905. 1st cock, 3d cockerel, 1, 2 and 4 pullets and eight more pullets, sisters to the prize winners and a brother to the 3d prize cockerel.

Illinois State Fair, 1st, 2d and 3d on Pekin Ducks. No White Wyandottes were shown. St. Louis Fanciers' Association, Dec., 1903, won 1st breeding pen, 1st pullet and 3d cock in White Wyandottes and special for best pullet. Chicago National Fanciers' and Breeders' Association, 1905, won 1, 4 pullets, 1, 5 hen, 1, 3d ckl., 2, 5 cock and three specials for best shape, and silver cup for the whitest bird in the show room on White Wyandottes. Pekin Ducks 1, 2 cock, 1, 2 hen, 1, 2 cockerel, 1, 2 pullet. White Wyandotte eggs \$3 for 15, \$5 for 30. Pekin Duck eggs \$2 for 11, \$3.50 for 22, \$7 for 50.

THEO. AMBROSIOUS

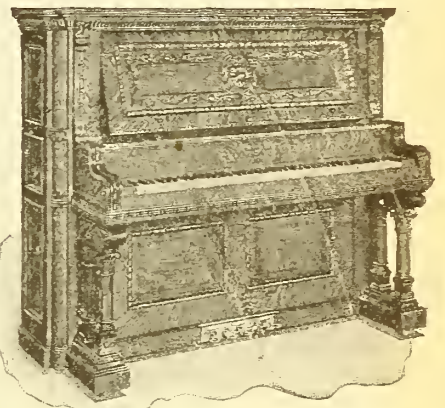
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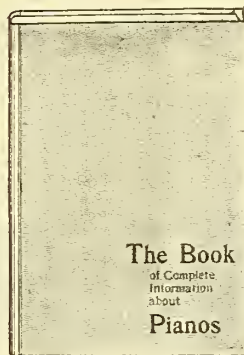
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WYANDOTTE POULTRY YARD. W. A. Hildebrand, Prop., Spry, Pa. I have nothing but Wyandottes, but a fine lot of eight different kind of good breeders and fine show birds. Stock and eggs for sale in season. Write for circulars.

MY ROSE COMB BROWN LEGHORNS won 1st and 2nd cockerels, 3d pullet at World's Fair; 1st cock and pullet Chicago International, 1000 for sale from this strain. Best layers on earth.

FRED ALGER, 1-05-1-yr Waukau, Wis.

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W. H. MCCORMICK, 1-05-1-yr Route C 64, Ransom, Ill.

WHITE WYANDOTTES AND Barred Rocks. Won at Chicago, Minneapolis, 1904-'05. Eggs from these winners and heavy layers, \$2.00 per sitting. Bound to please. Breeder for 12 years.

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W. A. CLARK, 4-05-1-yr Nashville, Ind.

OLINGER BIOS., FRANKLIN, ILL.

on Partridge Cochins won at Chicago Show, 1st cock, 1st, 2d, 3d, 4th hens, 2d cockerel, 1st, 2d, 3d pullets. A few choice cockerels for sale, \$1.50 to \$5.00. Fifteen eggs \$1 to \$2. Write your wants.

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First prize winners at leading shows. Also America's choicest strains of Single Comb White Leghorns. Stock for sale. Eggs in season. Satisfaction guaranteed.

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SINGLE COMB WHITE LEGHORNS, large, healthy stock, bred for business. Won at Corfu, N. Y., show, Dec. 5 to 7, 1904, on 4 entries, 1 cock, 3 hens, tied on 3 pul. in class of over 90. Eggs for hatching \$1 per 15, \$4 per 100. **BERT W. HAWLEY,** 2-05-1-yr Pearl Creek, N. Y.



STAY WHITE, WHITE WYANDOTTES Good breeding cockerels for sale. Won at Indianapolis show, Feb., 1905, 1st and 5th hen, 4th cock, 5th pullet, 4th pen. Eggs \$2.00 per 15.

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CUT PRICES ON ALL LEADING varieties poultry, eggs, pigeons, hares, canaries, guineas, pheasants, etc. Finest catalogue worth dollars mailed for 8c, or write your wants, I can please you. Common pigeons wanted.

F. G. SHELLY, 4-05-1-yr Box C, Florin, Pa.

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would be very acceptable just now. So would an order for some of my fine yearling hens. No more eggs for sale until October 1st, then I will be ready to fill orders for incubator eggs at \$4 per 100. Watch for Sept. ad. Let me know what you want in young stock... I breed Buff Wyandottes and Plymouth Rocks. They are growing fine and are sure to win some prizes this fall.

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Under this heading ads will be inserted for five cents per word each month for less than three months, **three cents per word for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. Commencing with the January, 1904 issue, all ads will be inserted under **classified headings.** No ads accepted at less than an average of 50 cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Copy for classified ads should reach us by 19th of month preceding date of issue. Write your copy plainly, as upon this the correctness of your ads largely depends. **AMERICAN POULTRY JOURNAL** is furnished every advertiser during the time his ad is running. **Forty thousand per month.** We guarantee an average monthly circulation of 40,000 copies of **AMERICAN POULTRY JOURNAL.** When placing your ads remember that advertisers of Classified Ads get better returns from **AMERICAN POULTRY JOURNAL** than from any other poultry journal—none excepted.

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WHITE WYANDOTTES EXCLUSIVELY.—(Clement & Fike's strain.) Winners at Chicago. Will sacrifice 50 hens for \$100; 700 youngsters Sept. 1. C. H. Sharman, Rockefel-ler, Ill. 7-3

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SINGLE COMB WHITE LEGHORNS.—Eggs from prize winning pens, \$1 per setting. \$5 per 10. R. R. Rowe, Elgin, Ill. 7-3

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BLACK AND WHITE LANGSHANS—Eggs, either variety, \$1.50 for 15. A few fine black cockerels for sale at reasonable prices. Satisfaction guaranteed. Mrs. A. M. Mathewson, Geneva, Neb. 5-3

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EGGS HALF PRICE

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won five out of six firsts at New York. Stock for sale.

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EGGS for remainder of season from grand matings of Light Brahmas \$2.50 per fifteen, and from my prize winning Partridge Wyandottes \$1.50 per fifteen.

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The lice—because it puts the powder on the fowl's body where the lice are. The quickest, handiest, safest way to destroy lice on poultry is to put them in Schild's

LIGHTNING LICE KILLING MACHINE

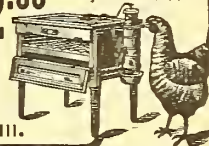
Simply sift lice powder into machine, put in your fowls, turn crank a few times and it's done. The application of some lice killers is worse than the pest—but this is easy, quick, safe and sure. Cleans 100 fowls in 60 minutes. Use our Lice Murder for clearing out mites in poultry houses—easy to apply—does the work. Catalogue free. Write for it today.

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Wou wherever shown. No stock for sale. A limited number of eggs from the finest in the world. Send for circular and show record.

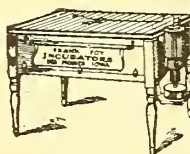
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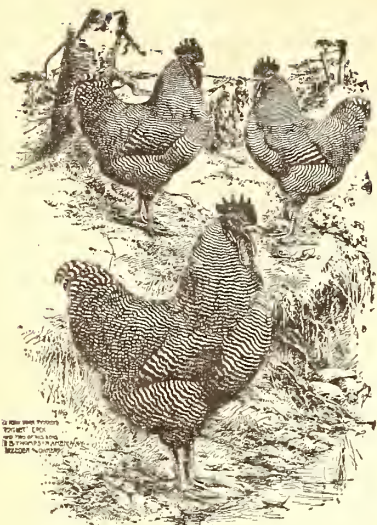
This is the kind YOU want the large, vigorous, egg-producing, show winning kind. More than 31 years of careful, systematic, line-breeding has given us this magnificent strain of Houdans.

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"RINGLETS" Soar Still Higher.

At the Imperial Show of the Nation, Madison Square Garden, New York, January, 1903.

E. B. THOMPSON'S BARRED P. ROCKS

Stamped their superiority in the most decisive manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen and pullet. This is the third time the "Ringlets" have won this grandest of all trophies, giving them now absolute and final ownership. In this "COLOSSAL CONFLICT" the "Ringlets" lifted the great National Sweepstakes Cup presented by the American Plymouth Rock Club for best cock, cockerel, hen and pullet. My Barred Rocks won double the number of silver cups and special prizes of any competitor, including the sweepstakes special in gold for best Plymouth Rock on exhibition male or female any variety.

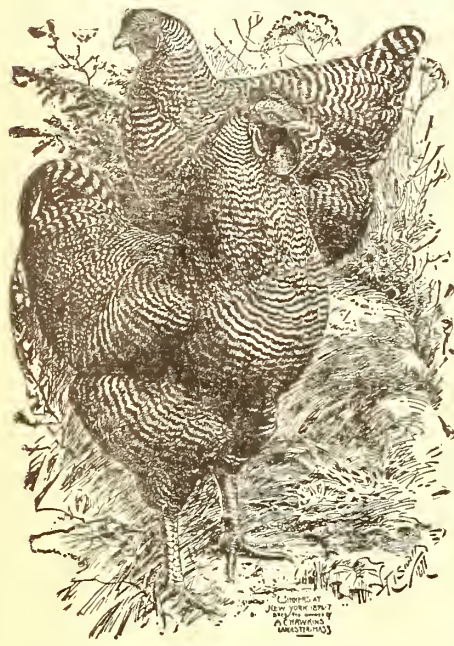
The "RINGLET" World's Record of four years in succession at New York is a page of history. The "RINGLET" World's Record of first on exhibition pen at this great show, three years in succession, is the undisputed champion.

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ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER WHITE AND BUFF.

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1 Sitting, \$5.	3 Sittings, \$10.
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Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others. My matings this season are the best I ever owned. * * * * *

At the Great National Show, WASHINGTON, D.C., in hot competition with over 300 birds of these varieties, the best that could be found regardless of price, I won 45 Regular and Special Prizes on 39 Entries, including First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show (Bantams excluded), and this on my First Prize Barred P. Rock Cockerel. My winning White Wyandotte cock was pronounced by the judges to be the best they had ever seen. I won twice as many first prizes as all other exhibitors of these varieties. My BUFF ROCKS, at Boston, 1899, in hot competition, won more first and special prizes than all others. My customers are winning all over the country. If you want the BEST, write me. Hundreds of Choice Exhibition and Breeding Birds at Honest Prices. Catalogue of America's finest Plymouth Rocks and Wyandottes free.

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Buff Wyandotte Eggs Half Price

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World's Fair Prize Winners!

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We can supply you with anything in choice Fruit Trees or Poultry Supplies.

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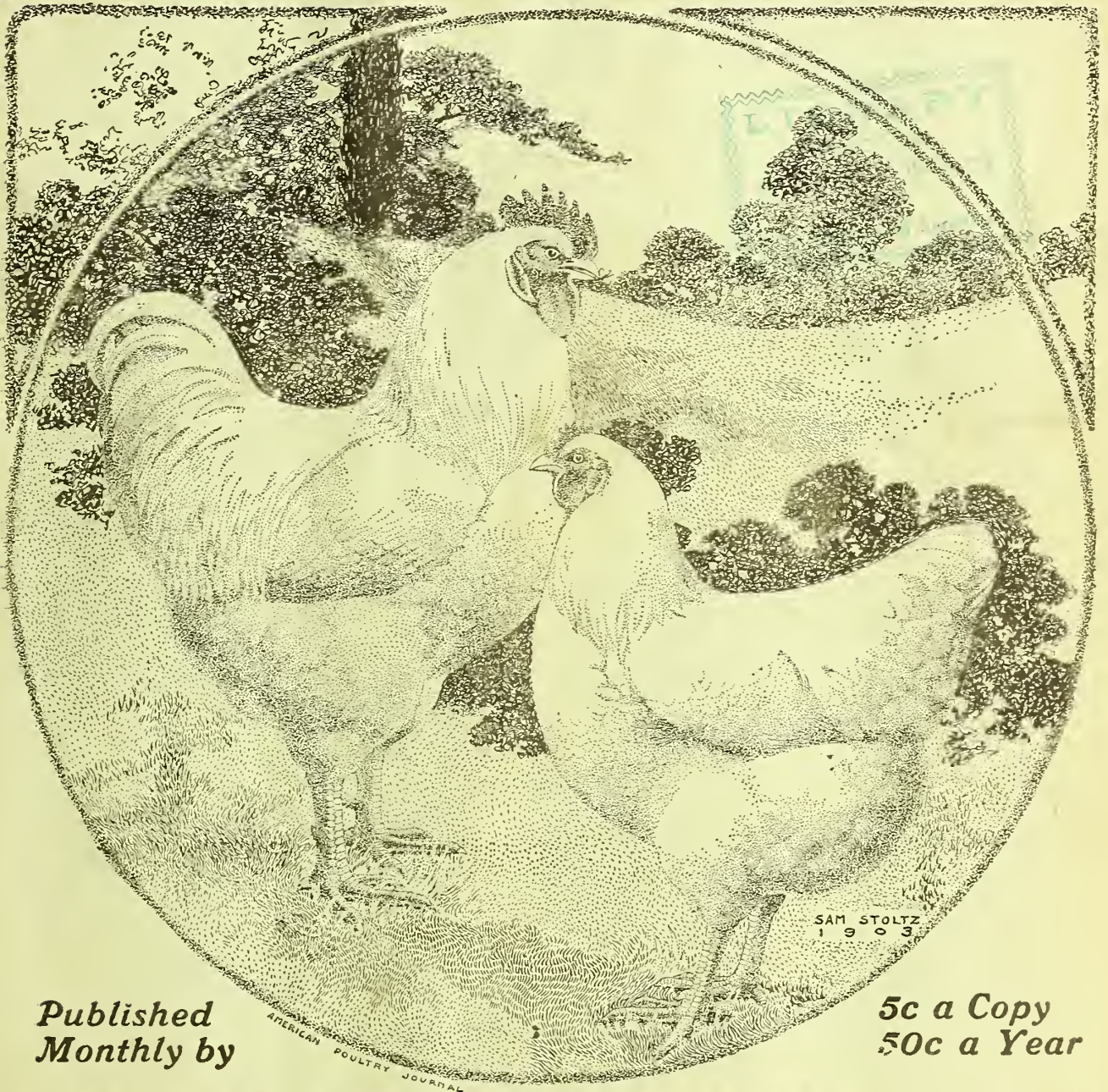
Geo. W. Brown, Prop., Camden, Ark.

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No. 8.



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Barred Rocks, White Wyandottes, winners everywhere. Choice ecls. this fall \$2 and up. Don't miss this chance.

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Every bird good enough for the show room. They are beauties. Write for prices. Satisfaction guaranteed. THE EDGAR POULTRY AND EGG FARM CO. Richwood Ohio

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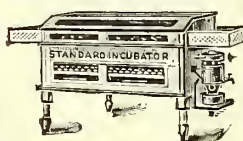
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Was won by Vanatta's S. C. White Leghorns at St. Louis World's Fair. At Chicago, January, 1904, I entered three cockerels in class of fourteen and won 1st, 3d and 5th cockerel. 300 good breeders for sale cheap. Choice young stock for sale after Sept. 1st. Catalogue free. E. E. VANATTA, R. F. D. 7, Vandalia, Mo.

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Orders for White Wyandotte eggs from our best pens \$1.00 per 15, \$5 per 100.

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EXCLUSIVELY

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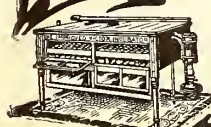
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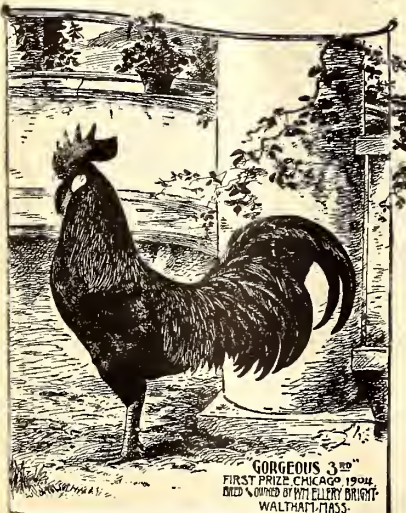
never fail to win the lion's share no matter where shown. At the great St. Louis World's Fair they won seventeen prizes, being double the amount of prizes won by any other two exhibitors, and they were all there. North, South, East and west. For the past ten years they have won at Chicago, Indianapolis, New York, Los Angeles, Atlanta, New Orleans, Dallas, Pan-American, Great Crystal Palace and Dairy Shows, England, etc. They are justly called

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Besides, we have some exceptional yearling males from our best sires that are fine specimens, but were not quite mature for the winter shows; also many of the fine females that composed our best pens. All these at very reasonable rates.

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American Poultry Journal

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

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Chicago, Ill., August, 1905.

No. 8.

ORIGIN AND HISTORY OF THE BREEDS

The Source of the Light and Dark Brahma—Proven Facts Which Have Been in Dispute for Many Years—History of the Light Brahma Since Its Introduction Into America—The Dark Brahma Originated in this Country and Perfected in England—Breed Characteristics of the Most Popular of the Asiatics and its Classmate.

Paper No. 1—Light and Dark Brahmas.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal

While in England the origin of the Light Brahma is and has been for years a disputed question, here in America the evidence is conclusive to the student of history that the Chamberlain introduction forms the foundation of the present Light Brahma. Mr. Harrison Weir, the eminent English writer and artist, holds to the theory that the Burnham Gray Shanghais, nine head of which were presented to Queen Victoria by Mr. Burnham in 1852, were of the original Brahma stock. Of this foundation stock Mr. Burnham wrote in 1855:

"An ambitious sea captain arrived in New York from Shanghai, bringing with him about 100 head of China fowls of all grades and colors. Of these I selected a few gray birds that were very large. I tried them with other gray stock I had." [It is said that Mr. Burnham crossed one of these males upon a Buff Cochin hen, thus making a cross between two Chinese breeds.—EDITOR.] "I soon found a lot of birds to dispose of, to which I gave what I deemed the only true and appropriate title, to wit, the 'Gray Shanghais.'"

These fowls had single combs, and while possessing Light Brahma color markings, to a considerable degree were very unlike the stock then being bred by Mr. N. H. Chamberlain, of Hartford, Conn. American fanciers have never taken Mr. Burnham's statements seriously. Mr. Charles Knox, then of Hartford, Conn., gives to history this unqualified statement:

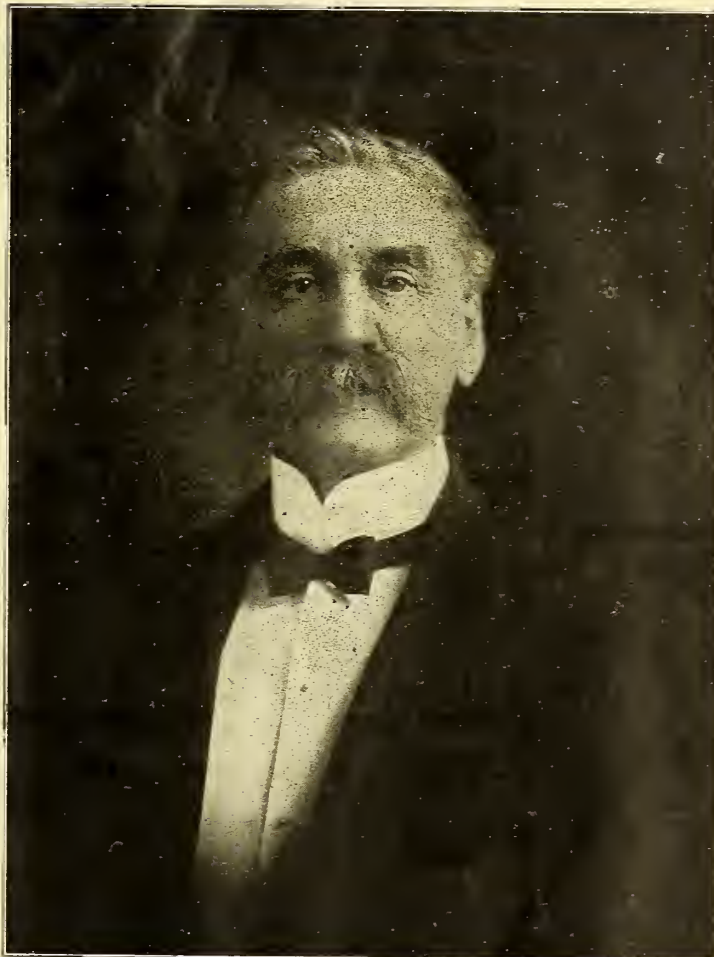
"Early in the fall of 1847, while I was clerk on the pro-

peller Sachem, of the Hartford and New York line, Captain George Deming, master, on invitation of a friend I went on board a full-rigged East Indiaman, lying near Old Slip, East river, to look at a remarkable collection of poultry we had heard about. I never knew or thought to ask what port the vessel sailed from, nor her name, for that class all bore the same name in common conversation—'East-Indiaman.' Among the poultry I saw two pairs, one gray, the other red, which attracted a great deal of attention on account of their large size. After some trouble, I learned that they were to be exhibited at Franklin market. The next trip, after reporting to Mr. Chamberlain (who had some time previous requested me to keep a lookout for something of this description, and wished to get some new breed, at his request, on my return to New York I went and bought the gray pair and took them to him at Hartford."

Mr. Knox was positive in his statement that these gray fowls very closely resembled the Light Brahma of to-day.

Fortunately there are those still living who were very closely and prominently identified with the early history of the Light Brahma—I. K. Felch and Philander Williams among the number. These grand old men and devoted fanciers are to-day proud of their production of more than half a century ago, and are still devoted to their best loved breed of fowls. These men have the esteem and the confidence of all fanciers the world over. We asked Mr. Felch to give us the important facts, as he knows them. He says:

"Notwithstanding the many efforts to divert the credit from those entitled to it, and to cloud the origin of the Light Brahma by people, many of whom have been born since the breed was christened, the facts and record remain that the fowls securing the name of Brahma Pootras, and finally discarding all forced descriptive adjectives, and finally becoming to be known as the Brahma fowl, have absorbed all others that were previously known as the Gray Chittagongs. These Chittagongs lost their identity when the Brahmas secured recognition, also the prestige they had previously enjoyed, and became the



I. K. FELCH, "the Father of Poultrydom." 71 years old.

female blood used for crosses with the Brahma males. Their progeny were bred back to the peacomb males, found on board the India ship in New York in 1847, which were purchased for one Mr. Chamberlain, of hospital fame, in Hart-

ford, Conn. Mr. Chamberlain bred them for two years or more, to sell to Mr. Virgil Cornish, who was the first exhibitor of them at the Boston Fitchburg depot show in 1850. These were christened *Brahma Poortas*, or *Short Leg Chittagongs*. The records of that show reveal the facts that these birds were different in many respects from the *Gray Chittagongs*, a Chinese fowl that was then the favorite—so much so that the jealousy of the breeder of them forced the descriptive sentence I have named above. The fowls christened as *Brahmas* had a pea comb, were clearer in color, less angular in their conformation, and admitted to be different in all respects, yet their importers were forced, for the time being, to allow them to be known as *Short Leg Chittagongs*. But they very soon shuffled off this objectionable qualification, to be known as the *Brahmas*, and to see the breeders who had so strongly opposed them showing their *Chittagongs* as single comb *Brahmas*, the last time, I believe, at the second show in Chicago in 1866. To this fact, I fear, has caused many writers to attribute the *Brahma* origin to the haphazard matings of the Chinese birds, they becoming popular at the time of which I write. By the introduction of the *Brahma* all these others were put aside. This dropped the *Chittagongs* into the condition of being used as blood food to maintain the vigor of these new aspirants, which was resorted to by many breeders. The breed was known as the *Brahma* fowl up to 1866, when the *Dark Brahma* showed up in New York. Then the adjective 'Light' was prefixed to designate the difference of the two varieties. The origin of this new comer, the *Dark Brahma*, was the result of a brood of chickens that were bred from a *Gray Chittagong* male with the *Marsh Shanghai*, these latter known as *Gray Shanghais* and subsequently as *Gray Cochins*. This brood was sent to one Bailey, of London, England, by Geo. P. Burroughs, of Melrose, Mass., in 1854. The English breeder, by the aid of the pea comb *Brahmas*, perfected them so that in 1866 the improved product was sent to us to be shown here in America that year for the first time as prize winners. Behind the Chamberlain purchase of the *Light Brahma* and the record of the *Dark Brahma* here given, no living breeder can show one fact of record. The early breeders, men of my age, 71 years, know this to be a statement of fact as to the Chamberlain strain. But in 1866, at the same exhibit where the *Dark Brahma* appeared, was shown a *Light Brahma* called 'Autocrat.' This male, which won prize, was purchased in the Fulton market by Mr. Estes, who edited the first *Standard of Excellence*. This bird in question was said to have been imported by the merchant of whom he was bought. The bird was presented to Philander Williams, who bred him to the best females he could procure, and through his progeny became the foundation of the famous *Autocrat* strain. These two strains are the only original and authentic two strains—the Chamberlain (now Felch) and the *Autocrat* strain. But since the influence of the American Poultry Association forcing all strains to standard color and type, the amalgamators of the two strains have been merged into different families and the influence upon their breeding has been varied. The early breeders who exerted influence upon the breed are: Chamberlain, the original buyer; Virgil Cornish, the first exhibitor; Childs, of Rhode Island; Williams, Corney and Felch, of Massachusetts. Since that time these fowls have found their way into every state in the Union and every country of the old world."

The fact is undisputable that the Chamberlain stock was the original *Light Brahma*.

HISTORY OF THE LIGHT BRAHMA.

Since its introduction in America the *Light Brahma* has been a popular fowl. Many breeds and varieties have come and gone, but the old *Light Brahma* remains, the love and pride of a host of fanciers and the mainstay of a large number of market poultrymen.

As an exhibition fowl, the *Light Brahma* occupies a prominent place. This large, massive bird, beautiful in its color

markings of pure white and black, is very attractive in the show pen. In New England its popularity is the greatest, both as a fanciers' and utility fowl. It has been truly said that there is a time in the life of every fancier when he has a desire to breed the *Light Brahma*. There is a pleasing personality about the *Light Brahma*—stately and majestic and easy repose.

As an egg producer the breed holds an enviable record. This fowl produces a majority of its eggs in the cold months, when the product commands the highest market price. Many fail in egg production with these fowls because of a lack of knowledge as to how to properly feed. An overfed *Brahma* hen is an idler and is unproductive. As soft roasters no other breed or variety can equal the *Brahma*, nor are in such demand in the best markets of the country.

It can be stated as a fact that the latter day Cochizing of the *Light Brahma* by many breeders has impaired the laying power of the breed, where so bred. Mr. Felch and Mr. Williams and a number of other friends of the breed have strongly opposed this action, and have retained the *Brahma* in its true form. This Cochizing of the breed has, too, affected it as an exhibition bird. The west will have none of the Cochized stock.

BREED CHARACTERISTICS.

Standard weights of *Light Brahmas*. Cock, twelve pounds; cockerel, ten pounds; hen, nine and one-half pounds; pullet, eight pounds.

Disqualifying weights: Cock not weighing nine pounds; hen not weighing seven and one-half pounds; cockerel not weighing seven and one-half pounds; pullet not weighing six pounds.

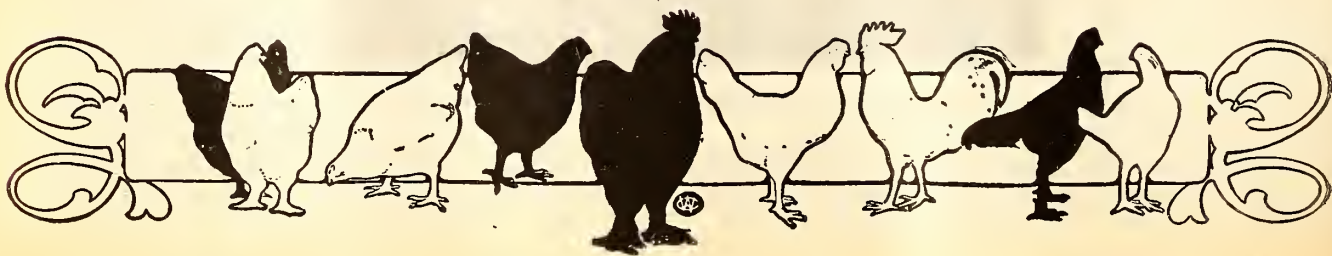
In shape the head should be moderate in size. The pea comb should be small, setting firmly and evenly on the head, lower and narrower at front and rear than in the center. It has the appearance of three small single combs joined together at base and rear, the longest and highest in the middle, each evenly serrated. The serrations of the front and rear are smaller than those in the middle. The breast should be full and prominent; the back short and broad. Neck well arched with hackle abundant in the male, flowing well over the shoulders. Body deep and well rounded. This is very important. Wings small and carried rather high. Tail medium in size; in male carried well upright. In female tail carried high enough to continue the concave sweep of the back. The thighs must be stout and covered with soft feathers. Toes well feathered on outside. In color the *Light Brahma* is pure white and black in body, breast and thighs. Under the wings it may be white, bluish-white or slate. Wings, neck and tail are positive black and white. Hackle web white with a black stripe down each feather, half or more its length, tapering to a point near the extremity. The wing bows are white, except front where some black is allowed. Primaries, black or nearly so, with white edging on lower edge of lower web. In the secondaries the lower portion of the lower web is white, the rest being black. Tail black. Sickie feathers glossy greenish black.

Standard weights of *Dark Brahmas*: Cock, eleven pounds; hen, eight and one-half pounds; cockerel, nine pounds; pullet, seven pounds.

Disqualifying weights: Cock not weighing nine pounds; hen not weighing seven pounds; cockerel not weighing seven and one-half pounds; pullet not weighing five and one-half pounds.

The *Dark Brahma* should be identical in shape with the *Light Brahma*. In color the cock is silvery white, striped with black in upper part of body, including neck-hackle, back and saddle. Breast, pure black. Wing bows, silvery white. Primaries, black, except narrow edging of white on lower edge of lower web. Secondaries, black, except lower half of lower web, which is white till near the end of feather. Here the white terminates abruptly, thus leaving the end of the feather black. Tail, glossy greenish black.

In color the female is a pure steel gray.





IDEAL LIGHT BRAHMAS.

Monthly Prize Article Department

We would like to have all of our readers compete for the prizes offered each month in this department. Send as many articles each month as you desire. For the best article we will pay \$3.00 and for the second best \$2.00. Make your communication about a column in length, which is about 600 words. They should be timely and appropriate to the season. Articles describing appliances and houses and accompanied by rough drawings are especially desirable. All the communications must be accompanied by a letter stating that they have been sent in for competition in the Prize Article Department. Articles received after the 15th of the month will be too late for competition in the month following, but will be entered the next month. No manuscript will be returned, but all who send meritorious articles will be given a year's subscription to AMERICAN POULTRY JOURNAL, whether the article is published or not.

The first prize in the contest this month has been awarded to Wm. E. Crevoiserat, Freeport, L. I., N. Y., and second prize to L. Watson, M. D., Chesaning, Mich.

A FARMER'S CHANCE.

The price of eggs is going up. Why? Let any person who is interested in poultry make a trip to the farmers' poultry yards and he will soon find out the reason.

The most of the yards will be found to be small and with no grass or other green food growing in them. In many the only shade to be found is that of a dilapidated coop that is cleaned regularly every spring and fall. No wonder the hens do not lay during the hot summer months.

Ask the farmer how many eggs his flock of twenty or thirty hens lay in one day. Two and sometimes three eggs a day, maybe less. Think of the expense of keeping these birds during the summer months without getting any returns. And then the molting season to follow. Dead loss for three months more.

Now is the chance for the enterprising farmer to save money. Let him sell off all his old birds and with the money realized from them let him improve his young stock. The extra time he would have spent on the old birds he can now spend on the young stock and get much better results. The coops can be kept cleaner, the water clear and cool, and more time given to their feeding.

With care and attention he can raise a fine lot of young pullets that will lay well this coming winter if good quarters and nourishing food are provided for them. The quarters for the young stock should be provided as soon as he has sold his old birds. Tear down the old shell and erect a warm, well ventilated house with plenty of room. A couple of windows in the south side and a scratching shed will be a big step toward a full egg basket.

But next summer the yard will still be bare and without shade. Let the farmer hunt around in the hedges and find where the raspberry bushes grow. Mark those that have the largest fruit and transplant them this fall, making three or four rows across the yard, and he will have solved the problem of shade.

Between the rows he should spade up the ground and sow it with some grain, taking care that the fowls are kept off until yarded next spring. This will insure plenty of green food for the fowls for the next summer.

Imagine the change. During last winter the fowls did not lay because of the cold and lack of exercising place. When the spring came each fowl might have laid fifty eggs and then the heat of summer stopped them as effectively as did the cold of winter. Instead of keeping these fowls over the molt and, perhaps, all winter without getting any returns, he decides to sell them after their spring spurt, and devote his time to developing a new lot of vigorous, hustling birds, which will lay steadily the year round, the molting period excepted, and to improve his yards and coop to correspond to his stock.

His fine looking birds and the large number of eggs they lay become the envy of the neighborhood and he becomes highly satisfied with poultry. This chance, open to all, is sure to bring good results to those who take advantage of it.

Freeport, L. I., N. Y.

WM. E. CREVOISERAT.

CARE OF GROWING CHICKS DURING HOT WEATHER.

In choosing the above subject for this article I have been astonished, when visiting poultry fanciers, to see the want of careful, painstaking attention (which is so necessary for success) manifest on every hand. Water dishes empty, coops filthy, yards bare and if, after a rain, a mud puddle, etc. I hope that I will be able to put fresh life and zeal into some of these fellows, enough to last until the weather cools off in the fall, and this will help the chicks along some.

By the first of this month (July) the chicks should be far enough ahead to distinguish the sexes; if so, separate them,

placing pullets in one yard or range, and cockerels in another. Give them a thorough dusting with a good louse powder before putting in new quarters, which should have been sprayed with liquid lice killer of some kind, and if the coops have been whitewashed inside and out, so much the better. Any chicks showing any standard disqualifications should be sent to a separate pen, to be fattened and prepared for market. The largest and best developed of both sexes should also be placed in separate coops, where they can receive special care and attention to fit them for the coming fall shows, as size and weight should always be up to standard requirements, these should, like the rest, have free range, if possible, as the exercise which the chicks get in chasing after bugs, grasshoppers, etc., greatly helps growth and development, and as long as chicks or fowls are busy working for their living they will do well. Mash may be fed once a day, made of corn and oats, but do not make it sloppy; feed dry and crumbly. Hulled oats or wheat once a day; green bone or beef scraps once a week if running out, twice a week if yarded. Milk in any form may be given as drink, or used to mix the mash. Green food will be obtained in its best form if the chicks have free range, and if not lawn clippings or clover cut with a scythe may be given twice a day, what they will eat up clean. The weeds pulled from the garden may be given them and I find this a most effective way of getting rid of them. Water vessels must be placed in shady place, and filled at least six times a day in



BARRED PLYMOUTH ROCK.
Bred and Owned by R. E. Haeger & Co., Algonquin, Ill.

hot weather. They must also be scalded and disinfected at least once a week. My method of disinfecting is as follows: Put about 5 grains (in a two-quart drinking vessel) potassium permanganate; a larger quantity should be used to a larger vessel; fill vessel with boiling water; let stand for 15 minutes, throw out and wash the vessel out with cold water, and it is sweet and clean and ready for use. Let me impress upon you to not neglect the care of drinking vessels during hot weather. Now, as to location of range. An orchard is the best place. Among berry or currant bushes the next, and any meadow or grass near where shade may be had or made for the chicks will do, but they must have shade from the hot sun, and if you have no trees to afford it, make canvas shelters, or boards leaned against coops. Anything where they can get a cooling-off spot. Grit must be provided in the shape of fine mashed gravel, from the head of some running stream, and crushed oyster shells. Charcoal have always within reach. If you have yard chicks change location once a week, or spade up yard. Watch the birds closely and as soon as any disqualification is shown cull it out, no matter if it is the biggest in the bunch. This requires nerve, but it is the only way to succeed and bring to the highest point of perfection your flock, and place you in the front row of seats with the exhibitors. To insure best results with chicks, keep them busy, free from lice and comfortable. Provide shade, plenty of cool water and good, wholesome food; grit, charcoal and beef, or cut bone, and thoroughly and regularly clean coops, and they will develop into good specimens and perhaps prize winners, if the breeding is right.

L. WATSON, M. D.

Chesaning, Mich.

EVOLUTION OF ARTIFICIAL INCUBATION

Wonderful Progress Made in the Methods of Artificial Hatching of Chicks—Egypt the Cradle of Artificial Incubation.

Written by Rev. C. E. Petersen, Franklin, Me.

The wonderful progress in inventive science is best seen by going back to the primitive methods of our forefathers, and yet in very many of these rude contrivances we find the germ of what is to-day a fully developed piece of intricate machinery, that in many instances almost seems endowed with reason.

It is at least interesting to follow in some detail the evolution of our modern incubator by going back to the origin of this useful invention that no single man can lay any claim to, but which is a combination of many men's minds, and though the modern incubator is far from being perfect in many of its details, it is so great an improvement over the primitive methods that we have put it within the reach of every poultry man that cares to use it in his hatching operations, and very few there are that do not take advantage of it.

That Egypt is the cradle of artificial incubation cannot be successfully contradicted, anyhow we cannot go back farther for our information, and therefore will give an account of how an Egyptian "Mamal" or hatching oven is constructed and operated to-day, as it was in the time of the Pharaohs, thousands of years ago.

The hatching oven or "mamal" is built with brick, about nine feet high, with a gallery in the middle, three feet wide and eight feet high; on each side of which is a double row of rooms, each three feet wide and four or five feet broad, and twelve or fifteen feet long, and each capable of containing four or five thousand eggs, deposited in such a manner as not to touch one another, upon a mat or a bed of flax.

At the outside of one angle of the building there is a fireplace, from which the heat is conveyed to both stories by means of flues, during three or four hours daily, at stated intervals.

Ventilators are also used, lest the heat should be too great—the standard temperature being that of the warm baths of the country.

After ten days, ascertained by holding an egg or more to the eye, according to the weather, the fires are discontinued, the oven being then hot enough to complete the process.

About the middle of January the ovens are inspected and repaired; and, as they are public, and as each has a circuit of fifteen or twenty villages, notice is given to the inhabitants so as they may come and bring their eggs.

As soon as a suitable quantity of eggs is collected together they are put into the rooms that are to serve for the first brood; for the whole of the ovens are never employed at once on the same brood, but only one-half of those which the building contains.

The eggs are ranged three deep in the lower rooms of each oven on a bed of chopped straw and dust, which mixture Aristotle probably mistook for dung, and several centuries later misled the great French investigator Reaumur in his experiments.

As the fuel burns away it is renewed three times a day and as many at night, with the same precaution each time to open up for a few moments the hole in the roof, both for the purpose of ventilation and for keeping the eggs from the first impression of heat.

The fire is thus continued during ten days; a long experience, a skilful hand, and the application of eggs against the eyebrows are the only thermometers used in Egypt for regulating the temperature.

During that space of time the eggs are often turned and examined, and those that are clear, addled or with dead germs in them are thrown out.

On the eleventh day the second brood is forwarded by placing fresh eggs in the interior cells of the six ovens left empty at the first brood, and the furrows of their upper cells are filled with lighted fuel.

As soon as the fires are lighted in these ovens they are put out in the others, so that the eggs of the latter are no longer heated, but by the fire lately made in the former, and only receive heat by the side windows in the upper chambers of the ovens, which remain constantly open.

The second brood thus got forward, they take from the lower rooms of the ovens first used, one-half of the eggs, to lay them out on the floor of the upper rooms.

This change is made because these eggs require the greater care the nearer they draw to the time when chickens are to issue from them; and by being placed on the floors may be inspected, turned and taken up with greater ease.

When the twentieth day of incubation is arrived, some chicks are already seen to break their shell, the greater part issue on the morrow, with or without help; but few wait for the twenty-second day.

The strongest chickens are taken to the room allotted to them, and from there are distributed to those who furnished the eggs, and who obtain two chickens for every three eggs; the weakest are kept a few days longer.

We have chosen this description of the Egyptian method from a number of treatises on the subject, because of its clear and concise statements.

On the revival of arts in Europe the Egyptian method of artificial incubation spread successively to Malta, to Sicily, to Italy and then to France and England.

Mains tells us in his Treatise that one of the dukes of Florence sent to Egypt for a Bermian to superintend a hatching oven for him; and Alphonsus II of Naples set up one at his country residence.

Charles VIII of France in 1496 had one built at Amboise, and Francis I another at Montrieux.

There is a curious entry extant of the expenses of the oven at Amboise, which runs thus:

"Paid to Messer Nicolas Vigans, an Italian, for fourteen days by him taken and employed for working an oven at the said place of Amboise, for hatching and rearing chickens without hens, which he has done for the King's pleasure, during this time, at a rate of four sols two deniers per day, and has been paid, as appears by his receipt, the sum of fifty-eight sols four deniers (about five shillings)."

"To the said, the number of 1,300 eggs by him bought at the aforesaid time in order to have them hatched and have chickens for the said, at the rate of four sols two deniers per hundred."

In the year 1750 a work was published in Paris and in the same year translated into English, giving in detail what was comprehended in the title of the book: THE ART of Hatching and Bringing up Domestic Fowls of all Kinds, At any Time of the Year. Either by means of the heat of Hot-Beds or that of Common Fire.

By M. De Reaumur,

Of the Royal Academy of Sciences at Paris.

This book, containing 471 pages, gives in detail the author's experiments in artificial hatching; misled by some inaccuracy in a passage in Aristotle, who says the Egyptians cover eggs with dung in order to hatch chickens—a circumstance quite impossible. M. Reaumur tried various experiments in hatching artificially by means of heat generated from fermenting dung, and, after numerous disappointments, at length succeeded in hatching about two-thirds of the eggs which he tried.

He first put eggs into an earthen pot and then placed them in a layer of dung, but after a few days found that the eggs had been partly boiled.

He next made some shallow boxes, somewhat in the form of a hot-bed, which he sunk into the dung, and in them placed his eggs. Two of them, at the end of two days, showed the beginning of a germ, which gave him great hopes of ultimate success.

But, after a few days, the stench coming from these eggs gave him notice of one more failure and disappointment.

These accidents were then almost continuous, and the chicks died in the shells long before the day they should have hatched.

He then began to regulate the heat, and though the heat was kept at the requisite degree, no hatch resulted.

At last, after the loss of a very great number of eggs, he discovered that it was the vapor exhaling from the dung that was the cause of their death.

This vapor was considerable and easy to be perceived on the inside of the box and, sometimes, even, upon the eggs.

M. de Reaumur then made a cask, which he sunk into the dung, leaving the top of it open, and inside of this cask placed baskets with eggs in them, leaving a cover for the top of the cask, which he could slide open at will, so as to regulate the heat and furnish ventilation.

The days now passed one after another and none of the eggs inside the cask had given out the slightest token of corruption.

On the twentieth day the chicks began to pick through the shells and making their voices heard, and on the following day a number of the eggs had hatched and a number of sprightly little chicks were ready to begin life in this world.

One can readily imagine the pleasure this success gave the experimenter, who, for twelve months, had worked on this problem without bringing a single egg to a successful issue.

The thermometer used in these experiments was of a rather rude construction, being nothing but a glass vial filled with a lump of butter, melted, and in it as much tallow as there was butter.

The heat of the egg chamber would render the liquid in the bottle very thin if the heat was too great, or the lump

would remain fixed in one place if too small an amount of heat was present, but if the temperature was right it would flow in the bottle like thick syrup.

Placing the bottle in the bosom before putting into the cask would show how the mixture ought to look.

That any success was obtained at all, with such crude methods, is more of a surprise than the failures, and goes to show that a good many of our modern contrivances may not be so necessary as we think they are.

Later on M. Reanmur tried the fire of a baker's oven. A small carriage on wheels was constructed, in which were several drawers for containing rows of eggs, which could be moved and examined at pleasure, in a chamber placed over a bread oven.

M. Reanmur was so successful in these experiments that he was of the opinion it might be advantageous, in point of economy, to introduce this later method extensively.

He says where there are not the convenience of a bread oven a hatching oven might be constructed, with a stove in it to furnish the heat needed for bringing the eggs to a successful exclusion.

M. Reanmur's method was followed by others, with more or less variations in the methods of procedure. A Mr. Dubois made a heated chamber, in which he suspended baskets full of eggs from hooks in the ceiling, and by lowering and raising these baskets the heat was well regulated. It is not stated how well this method succeeded.

Next in order comes M. Coppiéus, with the introduction of his hot water system, which he carried in a pipe along the floor of a chamber, so constructed that, beside the hot water pipes, flues for the purpose of ventilation and regulating the heat, was made possible. He also placed vessels of water in the room so as to render the air in the room moist. This is without doubt the first method of artificial incubation by the means of hot water.

A number of these hatching ovens were constructed, some of brick and some of earthenware, and was, little by little, discontinued as they were found useless for any practical purposes, one of the makers confessing that he could not average more than one chicken from every six eggs.

What may possibly be the first incubator invented is the one described by Oliver de Seres, the father of French agriculture. He says it was made of copper or iron, in which eggs were arranged and surrounded by feathers, and covered with soft cushions, heat having been communicated by means of four lamps, and the oven was small and portable, but he says that it was more of a curiosity than anything else and would not be of great use.

During the year 1815 Mr. Lawrence, the English writer of a Treatise on Domestic Poultry, says that he tried an experiment in artificial hatching that, on the second trial, proved successful.

He wrapped a number of eggs in wool, put them into a wicker basket, covered with flannel, and suspended this over a chafing-dish of charcoal in a chimney, where there was no other fire, the chimney screen being constantly kept fast to concentrate the heat.

The degree of heat was judged of every three or four hours, by the feelings, and the eggs were constantly turned and transferred from the center to the circumference of the basket.

About thirty or forty healthy chickens were obtained on the second trial from forty-five eggs.

In 1839 was shown in London at the Egyptian Hall the celebrated Eccaleopian, which was examined by an immense number of persons.

This establishment was in a large room in the Pall Mall and it consisted of a large hatching oven, which extended along one side of the room, with an enclosure of similar size on the other for the chickens; while at the bottom of the room was a glass case, in which the chickens were put when first hatched, and in the center a saucer, with eggs broken, to show the different states of progress of the chicken during incubation.

The oven was divided into eight compartments, each of which was furnished with a glass, and each contained a shallow box, lined with cloth, and the bottom covered with two or three hundred eggs, laid carefully, so as not to touch each other.

The boxes were heated with steam pipes and a jug of water was placed in each to insure a moist atmosphere.

In each box the eggs were in a different state of advancement, the object being to have several chickens hatched every day, in order to gratify the curiosity of the numerous visitors of the establishment.

The chickens, as soon as they were hatched, were put under the glass case at the end of the room till they were two or three days old, after which they were removed to the enclosure opposite the oven.

The enclosure consisted of a platform with a railing around it and a row of coops for the chickens to run into, and boxes for them to sleep in at the back.

Here they ran about, picking up bruised grits and other food, all day; and at 6 o'clock in the evening they were put to bed, twelve together, in the boxes behind the enclosure—the boxes being lined with flannel and having a flannel curtain in front.

The chickens, when three weeks old, were sent to the market and sold at about a shilling each.

The eggs for hatching were bought in the common market, and nearly one-half of them proved to be added, but the chickens hatched were strong and healthy, and not more than one in fifty died after they had left the eggs.

The name of the proprietor of this establishment was Mr. William Bucknell.

In a later edition of Mr. Dickson's work, from which the above statement was taken, he says "The Eccaleopian, though it excited a great deal of attention when it was first exhibited, never became generally useful, and, in fact, from the great number of eggs spoiled, it was by no means economical.

It was accordingly abandoned and after a lapse of years another scheme was devised, which was patented about 1844, under the title of Cantelo's Patent Incubator.

The principal difference in the two plans is that, in the Eccaleopian the heat was applied from below, but in the Patent Incubator the heat was applied from above, so as to imitate, as near as possible, the warmth of the setting hen.

The machine, says Mr. Dickson, consists of a long counter, the top of which is filled with hot water contained in water-proof cloth, resting on the eggs, which were arranged in a sort of a drawer.

The water is kept continually in motion by machinery, and it circulates through a tank, heated by a charcoal fire, so that it is kept constantly at the same temperature.

Adjoining the hatching house are rearing houses, to each of which were attached an acre of ground for the chickens to take exercise in, each brood being kept separate by a webbing stretched across the ground so as to divide it into a kind of pens.

This plan was invented by an American and was found to succeed much better than the Eccaleopian, the proportion of the eggs hatched being about 80 per cent.

Mr. Cantelo appears to have been the first to consider the fact that the heat should be applied from above, in imitation of the hen, and without doubt holds the title of the Father of Modern Incubation as, without application of this important principle, success in artificial incubation could hardly have been possible.

This improvement was followed by another of as great importance, namely, the invention of the regulator in 1845, by M. Vallee, poultry superintendent of the Paris Jardin des Plantes.

This regulator consisted of a self-acting valve, by which the temperature was to a certain extent controlled, it was by no means as perfect as our modern regulators, and not at all perfect in its action, but the idea was a most valuable one, and has been in use ever since in some form or other, on all up-to-date machines, and marked a new era in artificial incubation.

M. Vallee kept improving on his invention and finally made one of the most successful incubators of that period; but it seems to have taken a number of years before this machine was made use of in this country, being first introduced by Dr. Preterre, of New York City, and who exhibited it, with the chicks in all stages of incubation, to the New York public. Still later on this invention was much improved by the Graves and by Mr. Halsted, from which the incubator industry of this country seems to date its beginning.

In connection with our subject it will be of interest to note one of these early incubator advertisements of Mr. Graves, prices quoted and recommendations given by a few noted purchasers and users of these first incubators, so we here quote from *The Poultry World*:

Jacob Graves, Incubator and Artificial Mother.

Patented Dec. 27, 1870.

Prices of Incubators:

No. 1,	50 eggs, heat all around.....	\$ 60.00	Boxing, \$3.00
No. 2,	100 " " " "	85.00	" 3.50
No. 3,	200 " " " "	100.00	" 3.75
No. 4,	400 " " " "	125.00	" 4.25
No. 5,	600 " " " "	150.00	" 4.75
No. 6,	1,000 " " " "	200.00	" 5.25

Under the recommendations given below the ad we find one from Mark Pitman and another from James Rankin, both of these well known poultry fanciers, speaking in the highest terms of the Graves Incubator, stating that they had hatched more and stronger chickens in the incubator than under hens that had the very best management and care.

It is also worthy of notice that he offered for sale little incubator chicks, four weeks old, at from \$10 to \$12 per dozen, and a hen to mother them, at \$1.50.

THE PROCESS OF MOLTING.

General Treatise on the Subject, Giving Some Valuable Information to the Amateur.

With the older fowls beginning to look ragged, and loose feathers becoming plentiful in the houses and runs, the poultry yard will be less attractive, than at any other time of the year. The egg basket will show a considerable falling off, many of the hens having ceased to lay. But to make poultry profitable, the birds should have plenty of care and attention bestowed upon them, so as to get them through the strain of molting as soon and with as little damage as possible. Fowls that have their liberty and are well fed usually go through this period without much difficulty. Those that pass the night in warm houses will generally begin to molt sooner than those that roost in cool, open outhouses or on trees. Special care should be taken that the birds have access to shelter during rainy days. A thorough soaking when they are nearly bare of feathers is apt to result in an attack of roup, or cause a chill, the effects of which will last for many months. Fowls that are confined to small runs, should have plenty of green food, lettuce that is running to seed being as good as anything. Some Epsom Salts will be found beneficial twice a week as much as will make the drinking water taste slightly. A little flour of sulphur mixed with the soft food and given in the proportion of a teaspoonful to every three fowls two or three times a week on dry days will help the new feathers to grow. It is of no use to place a piece of stick sulphur in the drinking vessel, as some people do, for sulphur is insoluble in water.

Talking about this ingredient (sulphur) it is well known by the capillary-professional, how it promotes the growth of human hair, and as feathers are greatly composed of sulphur, it must necessarily promote its development generally. But its effect is most striking on black and buff feathers; the black becoming of that shining green as seen in the black Lanshan fowls and for the buff, it colors the feathers to the very roots as well as deepening it in totality. Its effect is a wonder in these two colors.

The cock should always be separated from the hens while the molting is in process. They are often fierce and spiteful when changing their feathers, especially ill-treating some of the hens at feeding time. They will do well in small quarters, if kept clean, fed well and allowed some grit. Exhibition baskets are used by some fanciers to keep the cock birds in at this time, a run of a couple of hours during the day, being all the liberty they have. Small and warm surroundings such as these promote and quicken the molt, which is a longer business for the cocks than the hens, owing to the time the sickle and other tail feathers require to grow.

Any birds that are likely to be required for show purposes, must be kept out of hot sunshine, or they will become tinged and sunburnt. Old hens that are to be got rid of and which it is intended to kill for the table should be disposed of just as they begin to shed their feathers. It is not always easy to tell from the appearance of a hen, as she runs about, whether she has begun to molt or not. Some hens will stop laying and will hardly eat anything for a few days and yet not shed any feathers, till they suddenly appear most bare. They will lose flesh rapidly during the interval after they have lost their appetite. If a visit is paid to the roost, those that are still laying will be found with full crops, while those that have stopped laying, will have but little food in them. No great mistake, therefore, can be made, if those hens that are on the perch at that time with empty crops are selected for killing. The poultry house should be kept clean or the accumulation of loose feathers in the corners will tend to the increase of insect vermin.

The molting of the fowls is usually from June to November, sometimes extending well into winter. The molting season is not the same with all hens, nor does a single hen begin at the same period every year, but usually a month sooner or a month later. For instance, if a hen begins to molt in June, she may not begin the following year until July and such hens will molt later every year until their molting period reaches into the winter. The hens that begin to molt early are those that finish their molting early, and are ready for laying before winter commences. Having then completed their growth of feathers, they are in excellent condition for doing service, but should the process of molting extend into winter, the hens that have not yet finished will probably not lay until spring, consequently the matter of molting is one, which all who are interested in fowls must deeply consider.

The molting process really requires three months, and as the

production of feathers requires a large proportion of nitrogen and mineral elements it becomes necessary to supply the fowls with something more than grain and grass. Carbonaceous food exclusively is detrimental, as the hen is inconvenienced by the fat stored on the body rather than benefited thereby, and yet the majority of poultrymen feed liberally on grain to their molting hens, in the belief that such food is the best that can be given. The food should consist principally of ground meat, cut green-bones that have a fair proportion of adhering meat, but all fat foods should be avoided. A bran mash, composed of bran and mashed potatoes, will provide an agreeable change while ground bone, milk and a little sulphur in the food once a day will benefit them highly. All hens, not yet having commenced to molt, will prove poor layers before Christmas and if such hens are fat they should be disposed of. It is a well known fact that if a hen or pullet does not begin to lay before the cold weather sets in, she will perhaps not begin to lay before early in the spring, but if she starts to lay before the winter begins, she will continue to lay for a long time, or until she becomes broody. Pullets hatched in spring will not begin to molt until the following year, as only the hens will molt in summer; but a pullet that was hatched very early, about January or February, may molt, though the chances are that she will not do so, until next year. Clean dry quarters should be provided for the hens that are molting and lice must be kept down, as the hens that are molting will quickly succumb to lice, owing to the debilitating effects of the process; as to the males they should have been sold off long before, as it does not pay to keep one that is molting unless such male possess some characteristics that is sought and the sooner the males are sent to market, the higher prices they will realize.

More diseases are generally contracted during the molting period than at any other time and by the use of good, sound stimulating food, pure water, plenty of room, and good clean quarters only, can we pull through it with safety. The heavy strain upon the constitution of fowls in casting their feathers is much greater than one would suppose and if the best of care is not adopted, they become reduced in condition to such an extent that the liability to contract diseases is so alarming that they can scarcely escape it. The worst thing that can be done is to crowd too many in one roosting place at night, in badly ventilated and unclean quarters. Make everything clean first, and use disinfectants. The best disinfectant that has ever been tried is crude carbolic acid and coal-oil, about one pint of the acid to one gallon of kerosene. Use this cleverly and do not be stingy with it. Thoroughly paint the roosts and the dropping-boards or better still, the entire inside of the poultry-house. Painting the roosts once or twice a week through the molting season. Allow no more fowls in one house than there are roosts to accommodate them comfortably, giving each fowl enough space, so that it may set without touching another. Feed good, sound grain and by no means the refuse of anything. Do not confine them to one variety of food, but different varieties: corn, wheat, oats, buckwheat, any good, sound grain relish and occasionally a little sunflower seed, if procurable and a meat ration, once per week. The importance of good, pure water cannot be overestimated and twice per day is not too often to change it and to this occasionally should be added a stimulant by taking two ounces of sulphuric acid and one pound of sulphuric iron and dissolving the two in one gallon of water. This should be kept carefully corked up, and about twice a week one tablespoonful should be added to each gallon of drinking water. Air slacked lime has been largely used and by many recommended to scatter it freely in the poultry-houses, during molt, although it has been proved to produce an irritation in the nasal organs of the birds and colds usually follow and all poultrymen know what follows colds: the deadly roup.

Really, molting is a very trying experience, through which fowls have to go annually and to have them come through with good feathers and be in good laying condition is the problem with which every poultry raiser has to deal. The easiest and the most profitable way of caring for fowls during this period is to make them molt as early as possible; easiest because the fowl that is slow in molting is in bad health, the period should be shortened as much as possible.

If a hen persists in laying, change her from one place to another, if running at liberty, coop her up. To bring on the molt by feeding, as suggested, and make the period one of rest, as much as possible. Give shade and plenty of cool water, not exposed to the heat of the sun, keep the coops clean, and if fowls droop, give them a tonic of muriated tincture of iron, one tablespoonful to each gallon of water. Give plenty of sharp grit and occasionally mix clean sand with their soft food, and a pan of crushed charcoal where they can have free access to it, is very beneficial.

A. V. MEERSCH.

Poughkeepsie, N. Y.

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Advertising rates are sent upon request.

36,000 A. P. J.'s for August, 1905.

State of Illinois, County of Cook, ss.

Chicago, July 25, 1905.

James W. Bell, manager of the Recorder Publishing Company, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding thirty-six thousand copies of the August, 1905, issue.

JAMES W. BELL,

Subscribed and sworn to before me this 25th day of July, 1905.

BLANCHE ELDER EDDY,
Notary Public.

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To our subscribers the display advertisers of the American Poultry Journal are guaranteed; that is, if any advertiser using display space in these columns is proved to be a swindler, the American Poultry Journal will make good to the subscriber the amount lost. We do not guarantee that men in good standing shall agree in their opinions; we do not guarantee nature against infertile eggs, but we do agree that in case a downright swindler succeeds in swindling a subscriber, we will reimburse that subscriber and publish the rascality of the swindler. We ask, in consideration of this guarantee, that our subscribers, when writing to an American Poultry Journal advertiser, say, in every case, "Saw your ad in the American Poultry Journal." In no case will this be to your disadvantage, while in many cases it may serve you well. In either event we shall be obliged to you.

Ho! For Portland.

Judging from the reports that reach us from throughout the great west the Portland live stock show and poultry exhibit will wake up more breeders in that section than anything in years. The states of Oregon, Washington, Idaho, Utah and California will be there in things hen "clear up to their necks." Oregon will send about ten carloads of her best birds; Washington will exhibit half as many, undoubtedly; Californians will go up with a trainload of fowls and beard the lion in his lair; Colorado will show probably a carload, if arrangements are perfected, and Nebraska is now making further arrangements with the commission which has charge of the Nebraska displays to send a carload of her cream. This state has been given \$200 to pay expenses of birds, but this amount

will undoubtedly be increased, as there have been many applications since the appropriation was made. The Hon. T. L. Norval, who worked so creditably for the state of Nebraska at St. Louis World's Fair, now is pushing the carload idea among the commissioners, and undoubtedly the appropriation needed will be granted. Nebraskans are the breeders farthest east who have decided as yet to show at Portland.

Advertisers' Personalities and Originalities.

The student who closely follows the advertising of some of the big advertisers will find that in the ads they place here, there and yonder, is a quality all their own. Some one's personality breaks through the lines and stares the reader in the face. The old style "John Jones, Breeder of all Varieties of Rocks, Dotts and Spots; Write for Particulars, Cess-pole, Bermuda," is pleasantly lacking. This down-to-date advertiser is getting more out of his space than his neighbor—because he puts more into it. A Californian who puts out a line of good ads that recall his name when Rhode Island Reds are spoken of says the Reds are "not dissipated, enervated rounders or demoralized city-bred birds with abnormal appetites and inbred egg-eating and feather-pulling qualities, nor are they the result of neglect and prison-like confinement for generations." Along further he says "they are not stupid, senseless feeders that gorge themselves to exceeding muchness, neither are they high and mighty flyers, or nervous, flighty sitters and mothers." This man's Reds "have a color all their own and a cackle sweeter far than Swiss chimes," all of which is but to make the ad stick in one's memory—and it sticks! That's why it pays to study originality and personality in the construction of advertisements. Around the original advertiser's yards there is always something doing in the line of business. He studies the making of ads like the mating of birds and as a result he has no "dull months" or "blue days."

Give Us Facts.

A year or so since one poultry journal published a story of the world's largest poultry farm located up in New Hampshire. It was said that from 8,000 to 10,000 hens are kept in about 600 small houses. The hens, it is said, are never allowed free range of any kind, but are at all times confined in the small eight by twelve coops, which are open on the front, being covered only by wire netting. A number of poultry papers have commented on this farm, and the farm press has also fixed up stories of it here and there, running them as if they were true, indeed. It is this brand of story that gets so many into the poultry business with the idea that all there is to it is setting the hen on the eggs—and she will do the rest. Undoubtedly a great deal of free range is used for this farm, if it exists. It is said that a dollar a year is made off of each hen, but under the kind of management that one of the best stories of this farm tells of it would be impossible to make one dollar per year on each hen, taking into consideration a fair share of good sense and reason for studying out the fallacies. Man was given the sense of reason to

ascertain the truth. It seems that a great many editors who have run this story have forgotten to look into the details, or they were so ignorant that details made no difference to them and the size of the story is what appealed to their fancy.

Capon Industry Growing.

The caponizing of young cockerels is a very important and paying branch of any poultryman's business. The idea of market capons is growing wonderfully and each season sees the demand grow to larger proportions. The market poultry grower cannot afford to send his young cockerel roasters to market as such. He is throwing away a good deal of the profits. He can always find time to do a little caponizing and as the art or science is easily learned, the cost is nothing. Broilers sold at one dollar each at one and a half pounds can be kept over and caponized. Some small range will be needed to grow the frame on them and then they may be yarded and fattened with finishing feeds for the winter market. There is plenty of demand for twice the supply at any market east of Chicago. This leads one to ask why so many fancy poultry breeders do not take advantage of it. They always have cockerels to cull out of the flocks that would make the best of capons and bring highest prices. If any of the AMERICAN POULTRY JOURNAL readers have ever sent their cull males to market as capons we would like to hear of their success.

More Poultry Education.

Among the eastern novelties in the way of chicken things that have put in their appearance this year is an attractive display of incubators and brooders, under the management of Mr. Nones at Luna Park, Coney Island, New York. Mr. Thomas, the electrician of Luna Park, has opened this place of amusement or education, as it were, and there is a complete line of all sizes of incubators and brooders, each and every one in thrifty operation. The incubators are set so as to produce chicks daily, and brooders to draw the people are on the outside of the attraction, all filled with chicks. A stereoscope with electric lights by which to gaze on the eggs in the process of incubation gives one an opportunity to see the eggs in every stage of development. It is said that even the pulsations of the heart of growing chicks may be observed through the shell by this stereoscope. There is no doubt that this public hatchery, where an admission is charged, will do something to increase the attendance at the New York poultry shows the coming winter. It is one of the best paying attractions at Luna Park and will be open the whole season.

Shape vs. Color Again.

It is a well known fact that English fanciers strive to excel in color, letting shape and form of the various breeds take care of itself. Mr. W. M. Elington, who is one of the best writers for Poultry, the noted English contemporary which reaches us regularly, says that a good many all round judges in England confuse the shape of the Wyandotte with that of the Plymouth Rock. He also insists that even among the specialists, those who know, or should know, more

about the variations in shape of the two breeds, he would be a bold man who put shape before lacing and color. Then he adds: "Who shall say which is right, the American, with his firm belief in form, or the Englishman, with his preference for plumage? Both are striving for perfection, though by different routes, and who shall say which will get there first?" It would appear that our maxim, "Shape makes the breed and color the variety" would not hold the judges to the task of defining the standard as we see it. We are all acquainted indeed with the great superiority of lacing to be found in Wyandottes of the golden and silver varieties, English bred, over those of the best breeders in this country. Mr. Elkington says that he is looking forward with great interest to the awarding of some special prizes that the Partridge Wyandotte Club of American has given to the Partridge Wyandotte Club of England for the purpose of rewarding the particular points of shape and color. In other words, these specials will be offered for the best shaped males and the best shaped females in the Partridge varieties. Mr. Elkington suggests that the partridges have made such rapid advancement in regard to quality that it will be interesting to see how near to these shape awards the class winners will come. He wants to note the difference between the shape of the best shaped bird and the bird which received the special award for color. He adds that it will be a great experiment in his country and inasmuch as he is quite an observer we will look forward to his chronicling of the facts with much interest.

In all poultrydom there has never been a man who has done more for his private hobby of choice pheasants and almost extinguished varieties of fowl than Mr. Homer Davenport, the famous cartoonist, whose farm is in New Jersey. At the forthcoming Lewis and Clark exposition he will exhibit a great many of his rare varieties, and it is said now although we do not know on whose authority, that he has built a bird farm of nearly half an acre where he will show the best birds in the varieties he breeds, to the whole exposition. Mr. Davenport, it is stated, is a native of Oregon. We would advise fanciers who visit the exposition to look for his exhibit as it will be interesting, to judge from those he has made at the best poultry shows in the east.

* * *

There has recently been brought to light a woman buyer of eggs for hatching who "kicked" because some of the chicks, White Plymouth Rocks, were smutty in color. It is well known that American fanciers believe that the slightly colored or smutty chicks are the whitest on maturity, although there has never been any statistics set forth to prove this assertion. The good lady was informed concerning this and the seller of the eggs for hatching was indeed surprised to receive an answer to

his letter, she "kicking" harder than ever because all of the chicks in the clutch were not smutty in color!

* * *

The popular Maurice F. Delano, who has lately been connected with the Millville Poultry Farm which is now given over to market poultry exclusively, will move to his old home at Suffield, Conn. On good authority it is said that he will install himself in the poultry business gathering about him the best specimens of fancy poultry and of breeding stock that he can secure. There has been no more popular breeder of fowls who has risen so quickly from the novice ranks to those of a professional showman and breeder, than Mr. Delano. He is an excellent judge and we are sure that when he gets his new farm on its feet and he can give more attention to judging, that his services will be in good demand. We are pleased to chronicle this change of Mr. Delano's as we know it will be good for him.

* * *

The office of the *Industrious Hen* has been removed from Madisonville, Tenn., to Knoxville, Tenn. We wish the *Hen* success in the new nest.

Poultry Jottings.

Clean the brooder every day and bed it down (the hover) with chaff. In damp weather do your best to keep the hover dry.

Kill the head lice of the chicks with vaseline. Grease their heads slightly and see that none gets in the eyes. Repeat the dose in ten days.

Your best mating this season has produced some rank culls and this is another evidence that "like does not always produce like."

Keep your hen house cool during the hot months but avoid drafts. Roosting in a draft has sent many a promising youngster to an untimely grave.

Above the door of every poultry-house should be written this motto: "Utility is the science and beauty, the art of poultry raising."

Don't neglect the roosting coops of the young chicks this month. If you expect your chicks to grow rapidly the roosting coops must be kept sweet and clean.

Do not "stuff" your chicks in your endeavors to make them grow. This will do more harm than good.

Shows are the round-up of the poultryman's flocks. A prize won at a winter show is a badge of excellence.

Clean the nests thoroughly, provide new nesting material and sprinkle well with lice powder.

Read our prize offers for articles on different subjects in this issue and try to win some one of them.

Some of the Foremost Poultry Judges in America Have Pronounced my Catalogue of

AMERICA'S "BIG FOUR"

The neatest, most complete and business-like gotten up catalogue they have ever received. I use trap nests exclusively and know the ancestry as well as the unprofitable layers. Will send catalogue free to all who mention American Poultry Journal.

H. P. RANKIN

Box 61, Hartington, Neb.

O-K. POULTRY FOOD

Moulting fowls give a languid appearance to the poultry yard. The hens stop laying and mope listlessly about. Even the cocks are indifferent and taken altogether they're ragged, lazy looking set. The poultryman's profits drop to the minimum while he waits for his fowls to get busy.

Moulting is necessary to the fowl's welfare—it's a time when Nature restores the birds to their full vigor and strength.

You can hasten the process and shorten the period of non-productiveness by supplying Nature with the elements needed to reinvigorate your fowls, by feeding

O-K. Poultry Food

They need bracing up. They need help. Give them food that will create fresh vitality, renewed vigor and strength, that will give energy, and you will set Biddy to manufacturing fresh eggs in a much shorter time and at a rapid rate. They should have a conditioner that will tone up the system, make new, rich blood, and put fresh activity into the whole system. They need a food like

O-K-POULTRY FOOD

something that will put them on a profit producing basis. O. K. Poultry Food is a pure guaranteed conditioner—furnishes the needed elements for putting the egg-making organs in perfect condition. Aids digestion, restores health, vigor, vitality; keeps fowls lively and strong. A disease preventive that also cures Gapes, PIP, Roup, Cholera and Leg Weakness.

It will pay you to give O. K. Poultry Food a test during moulting time and see how fast the pale combs grow red; see the fluff fill out and the trim sprightliness—sure signs that there will be plenty of eggs in the nests before long. Sold by dealers. If they can not supply you, order from us direct. Send for free circular.

O-K-Stock Food Co.

408 Monon Bldg., Chicago

THE INCUBATOR MANUFACTURERS' ASSOCIATION OF AMERICA—SECRETARY'S REPORT.

To the Poultry Press of America:

The third annual convention of the Incubator Manufacturers' Association of America was held at the Claypool Hotel, Indianapolis, Ind., July 18, 19 and 20, 1905, with a strong attendance of representative incubator manufacturers, Pres. A. F. Cooper presiding.

Owing to the absence of Sec. J. S. Gilcrest, on account of sickness, Milton O. Adams was appointed secretary to the meeting.

Following the president's annual address and reading of the minutes of the last meeting the various committees' reports were handed in. The committee on freight rates reports that it's quite possible to secure a reasonable concession from the various railroads. This reduction of freight will be of considerable saving to the purchaser. Previous to the organization of this association incubator purchasers were obliged to pay the first-class freight rates with no hopes of a possible reduction. The association will secure many concessions of a similar nature that will benefit consumers.

The Committee on Insurance finds that incubators are far less dangerous than the average house lamp.

Mr. John W. Myers delivered an excellent address on adjusting difficulties and misunderstandings whenever such arise between manufacturer and customer. His views of the matter were in direct line and perfect harmony with those of all present. The disposition of the manufacturer is to be perfectly just and to

dispose of all such matters in a wholly just and equitable manner. Every manufacturer has the interest of his customers deeply at heart.

Mr. Milton O. Adams delivered an address on feeding hens for fertile eggs, emphasizing how necessary it is that every incubator operator use the utmost pains in handling his breeding stock to secure the highest possible relative degree of fertility in eggs produced for hatching purposes. The members of the association freely express the opinion that the chief source of all incubator troubles lies largely in the use of eggs that are not properly fertilized.

Mr. Jas. Homan delivered an address on incubator advertising, which besides being full of instruction for the manufacturer, also brought to mind the relation between the poultry press and this organization.

There was a general discussion in regard to the importance of every manufacturer becoming a member in this association, as it will be necessary to have the support of all in order to accomplish the great amount of work mapped out. Some have misconstrued the publicity previously given the association and have misinterpreted the motive. The sole object of forming the organization is to create more harmony among the manufacturers. The incubator industry is no longer a one dollar industry but a million dollar industry and there is a crying need for an organization of its constituency. The poultry press organized. The representative American poultry breeders have the A. P. A. Almost every recognized breed of fowls is represented by its association; states, counties and communities all recognize the importance of

organizing to further the poultry industry in their territory, and it naturally follows that the incubator manufacturers can likewise band together for their good. It is not the intention to dictate prices nor the territory which he shall operate nor anything of that nature. This is a mistake. The report got out at one time that there was a prospective incubator trust in view. Nothing could be further from the truth, as the incubator industry is not composed of men who favor anything of this nature.

While the principal point in view when organizing the association was to help the consumer, yet there are many things which will benefit the manufacturers themselves embodied in this movement.

The incubator industry has attained such proportions as to be worthy the support in the most intimate manner of all interested in it and it's only through the closest organization that many benefits will be derived to the fullest extent.

The following officers were elected for the ensuing year: President, Mr. James Homan, Springfield, Ohio; vice-president, L. A. Banta, Ligonier, Ind.; treasurer, Mr. J. W. Myers, Quincy, Ills.; secretary, Mr. Milton O. Adams, Hiawatha, Kans.

The retiring president, Mr. A. F. Cooper, owing to his no longer being an active incubator manufacturer, which would render him not eligible to holding office, was made honorary member for the many valued services he has rendered the association. *The Inland Poultry Journal* and the *Fanciers' Gazette* royally entertained the members of the association.

The proceedings of this meeting and full particulars regarding the organiza-



You can Raise All your Chicks in this Brooder

Your success and profits in poultry culture depend altogether on the chicks you raise. You may be unusually successful in obtaining big hatches, but what does that profit you if you fail to raise them to marketable maturity?

Have you ever figured out how much you lose every year in the loss of young chicks during the brooding stage?

Count your time, labor, eggs and oil if hatched in an incubator and it amounts to quite a sum at the end of the season. But that is not all—you lose whatever profit you could have made upon each chick that dies prematurely had you been able to raise it to marketable maturity.

You no doubt realize all this and have hoped that some one some day would put upon the market a brooder that would enable you to stop this discouraging and common loss.

That hope has been realized, and right here is that kind of a brooder. A brooder so correct in its principles of construction; so wide in its range of adaptation, and so perfect in its arrangement that there is **not** one chance in one hundred for a chick properly hatched to die.

That may seem like "claiming" a good deal, but we have the machine and the **proof** to back it up.

For twenty years we have been making brooders and in all that time we have never produced until now, anything which has proven so **practical**, so completely successful for outdoor purposes as our new Combination Colony Brooder.

The New Prairie State COMBINATION COLONY BROODER

is a decided improvement in brooder building. It is **different** from any other—has **new** points that you will recognize are winners. It is made not only to meet every condition of climate and weather, but every condition of **growth** and development of the chicks.

Under the most severe tests we could possibly give it of **storm** and **weather**, it has gone way beyond our highest expectations. The chicks thrive and develop so much better and faster that we could not help but feel very enthusiastic over it, and we know you will, too, when you know it from the same source that we do—that is, from **actual experience**.

We have just issued an advance **Special Brooder Circular** which tells all about it, and all the other New Prairie State Brooders we are going to offer the poultry people this year. It gives photographic illustrations of them—shows the **inside** and the **outside** construction and the plans of arrangements in detail. You ought to send for one of these circulars. You will be surprised at the many **new** and advantageous points these new brooders possess.

Here is the solution to the greatest problem the poultryman has had to contend with. We have spent years in solving it for you and all we ask is a careful consideration of our efforts. The evidence of the **real merit** of the New Prairie State Brooders is apparent in the machines.

You will regret it if you fail to send for this brooder circular. It is free.

Prairie State Incubator Co., Box 468 Homer City, Pa.



tion can be obtained by every incubator manufacturer from the secretary. Yours truly,
M. O. ADAMS, Secretary,
Incubator Manufacturers' Association.

MEETING OF THE POULTRY PRESS ASSOCIATION.

INDIANAPOLIS, IND., July 21, 1905.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: As previously announced the Poultry Press Association held its first annual meeting at Indianapolis. Realizing that we are on short time for the first of month papers with information I am giving you copy of Constitution and By-laws adopted, together with names of officers elected and editors of papers who expressed a willingness to join us at this time. It is unavoidably crude in the rush but we have undoubtedly built a foundation that by careful planning and good architectural work on the part of its members should amount to a great deal to each and every one who is in the publishing business.

The meeting was one of harmony from beginning to end and every one seemed to feel that we had started on the right course and would accomplish a great deal in the end. There was no definite place for the next annual meeting. The incubator men are very much in favor of our meeting with them at such time and place as agreeable to all concerned.

On Thursday the *Inland Poultry Journal* and the *Fanciers' Gazette* entertained the Poultry Press Association and Incubator Manufacturers at a banquet and boat ride at Broad Ripple Park, a suburb of Indianapolis, and the members were so taken with it that each and every one of them were unanimous in their choice to returning to Indianapolis on about the same date next year; however, this will be decided later by vote.

The membership fee of \$5.00 it is necessary that each publisher should send to the treasurer, Mr. Frank Heck, of the *Successful Poultry Journal*, Chicago, so that copies of Constitution and By-laws and proceedings may be printed and distributed for the information of those who have joined and others who expressed a willingness to come in later on. While the attendance was not as great as was expected, there was a lot of enthusiasm and the right sentiment on the part of every one.

There are many things that this Association should consider. We have just the same right to clean our own house as to demand that the advertiser clean his, and publishers who are negligent, careless and sloven in their way of doing business have no place in this Association, and at the beginning is a good time to keep them out. We want every wide awake poultry editor in the United States and Canada to join our ranks and we know he will be profited by it a thousand times more than his initiation fee and small annual dues he will be called upon to pay.

The important resolutions that were adopted, or rather agreed upon by the members present with the understanding that a vote would be taken by mail, are the following:

That all free reading notices forwarded to the publisher by individuals or advertising agencies be eliminated. Understand by this resolution that the editor can use his own good judgment in regard to whatever he may desire to say about an individual or company. The idea is to eliminate entirely the stereo-

type stuff that has been filling our pages for years to the detriment of the editor and without any gain to the advertiser. This matter was submitted to the incubator men in session at that time and it was universally agreed by them that they desired stereotyped readers cut out, to pay for what they got and place every man or company on the same footing.

Another proposition agreed upon by the publishers present was that specialty clubs that are in the field competing for advertising, and who are in fact publishers, be refused space in papers unless paid for at their regular rates. Specialty clubs that are interested in promoting their varieties in the right way without competing for advertising shall be given fair consideration.

It was also requested that all members of the Association forward immediately to the Secretary, Mr. J. F. Schureman, *COMMERCIAL POULTRY JOURNAL*, Chicago, Ill., a list of the bad accounts that they have on their books that are in arrears six months, or more, in payment. These accounts refer to all advertisers that in the opinion of the editor or publisher might be classed as *bad debts* and are not making the proper effort to pay their bills, and not to the class of advertisers who through misfortune or unforeseen circumstances are delinquent but who are considered by the editors honest and who will in the future pay their bills.

We have outlined work for the secretary that will take up considerable of his time for which it will be necessary for us to at least pay the time of a stenographer and such incidental expense as will be incurred in the transaction of this work.

It is not the intention of the Poultry Press Association to give any more publicity to these meetings than is absolutely necessary and that what publicity is given is with the understanding that we are working for the betterment of every honest advertiser; that it isn't a combination or trust in any sense of the word, but an association for perfecting a better understanding between editors and assisting materially in the building up of the poultry business. At our next annual meeting it will be expected that members prepare papers on whatever subject they may desire to be read, and these papers to become a part of our records and be used by the Poultry Press, or at least such part of them as will be of general interest to the breeders of this country and abroad.

While we realize in giving this outline we are only able to cover a part of the field in the little time we have at hand, and especially for the editors whose papers are issued the first of the month, I am compelled to cut it short.

The election of officers resulted as follows:

President, Mr. Geo. E. Howard, Washington, D. C.; vice-president, Theo. Hewes, Indianapolis, Ind.; secretary, Mr. J. F. Schureman, Chicago, Ill.; treasurer, Mr. Frank Heck, Chicago, Ill.; Executive Committee—Grant M. Curtis, Buffalo, N. Y.; H. B. Donovan, Toronto, Canada; Chas. C. Johns, Tacoma, Wash.; E. B. Cogshall, Denver, Colo.; J. Sleeper, Peotone, Ill.; J. H. Sledd, Knoxville, Tenn.; A. D. Hosterman, Springfield, Ohio.

The following papers were represented and their editors and managers took part at two sessions held by the Association:

American Fancier and Feather, Washington, D. C., Geo. E. Howard and T. F. McGrew; *Poultry*, Peotone, Ill., J. Sleeper; *Commercial Poultry*, Chicago, Ill., J. F. Schureman; *Successful Poultry Journal*, Chicago, Ill., Frank Heck; *Poultry Success*, Springfield, Ohio, A. D. Hosterman; *Fanciers Gazette*, Indianapolis, Ind., W. C. Pierce and E. A. Pierce; *Industrial Hen*, Knoxville, Tenn., J. H. Sledd; *Grit and Steel*, Gaffney, S. C., represented by Dr. H. P. Clarke. Indianapolis, Ind.; *Inland Poultry Journal*, Indianapolis, Ind., Theo. Hewes.

The following papers had forwarded letters to the secretary desiring to become members of the Association and in the majority of cases submitting their ideas as to what course it would be best

3,000 BREEDERS FOR SALE
to make room for growing stock. White Leghorns, White Wyandottes, White Rocks, Barred Rocks, Black Minorcas, Light Brahmas. Descriptive catalogue free. ELM POULTRY YARDS, Box 121, Hartford, Conn. Established 1888.

TRY FRANK'S BARRED ROCKS

Bradley Bros. Strain: the richest producing strain in the world. 300 chicks growing for early fall buyers. Write for prices on stock you want. Satisfaction guaranteed or money refunded.

F. L. CHAMBERS, Box 525, Blandinsville, Ill.

Flushing Poultry Yards

H. D. ALDRICH, Prop.

LEGHORNS

ROSE COMB BROWN.

2d pen at Madison Square, New York, 1905.

ROSE COMB WHITE.

1st prize pen Madison Square, New York, 1905.

ROSE COMB BUFF.

1st prize pen Madison Square, New York, 1905. BAYSIDE AVE., FLUSHING, N. Y.

SOMETHING NEW

STRATHMANN'S POULTRY YARD SEEDER

To Distribute Grain and Seeds For Scratching Fowls

A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in one year. Its weight is 30 lbs., sows two rows 10 in. apart and cultivates your ground. Will do what all poultrymen and journals say, keep your chickens scratching. Our seeder has proved itself a winner at the Chicago poultry show by having a larger attraction than any other exhibit. Simple, durable and practical; can't get out of order. Any boy or girl can operate it. Send for circular.

Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.

12 Turns Kills All The Lice



An easy way to get rid of lice—easy on the fowls—easy on the owner. Simply sift lice powder into the machine, put in a few hens, turn the crank slowly a dozen times, let them out and see the dead lice fall off their bodies.

Lightning Lice Killing Machine

wastes no powder, doesn't choke or harm fowls, can't break their feathers and makes fowls contented, fat and lively. That means more eggs and sweeter flesh. Thoroughly cleans 100 hens or 300 chicks in 60 minutes. Handles any fowl from smallest chick to largest turkey. It puts the powder next to the skin and makes its effect instantaneous—quick as lightning. Illustrated catalog with full explanation, free.

Charles Schild Co., 2 Frankfort St., Cleveland, Ohio

to pursue in the forming of an association of this kind:

AMERICAN POULTRY JOURNAL, George G. Bates; *American Poultry Advocate*, C. DePuy; *Ohio Poultry Journal*, J. C. Ely; *Poultry Herald*, E. W. Rankin; *Western Poultry Journal*, E. E. Richards; *Canadian Poultry Review*, H. B. Donovan; *Mid-West Fancier*, C. S. Hunting; *The Poultry Advocate*, J. W. Cadwald; *Orpington Poultry Journal*, Percy Cook; *Progressive Poultry Journal*, J. N. Crow; *Poultry Keeper*, Fanny Piggott; *New England Poultry Journal*, D. L. Hondlow; *Poultry Standard*, R. N. Clark; *Reliable Poultry Journal*, F. C. Hare and Grant M. Curtis; *Southern Poultry Courier*, H. S. Budd; *Poultry Life of America*, H. B. Savage; *Pacific Poultryman*, Charles C. Johns; *Western Poultry World*, E. B. Cogashall; *Poultry Item*, H. H. Fricks; *Poultry Gazette*, G. D. McClaskey; *Poultry News*, Paul F. Williams; *Grit and Steel*, Ed H. DeCamp; *Southern Fancier*, H. F. Peils.

In view of the fact that the papers had expressed a willingness to become members of the association they were unanimously voted in as members, and it is to be hoped that each one at their earliest convenience will forward \$5 initiation fee to our treasurer, Mr. Frank Heck.

Assuring the editors of the poultry press throughout the United States and Canada that it seems to the writer it is essential and for the good of all that we make this a permanent organization and one of vast importance to the poultry business of this country, and I hope that each and every paper that is included in our list will feel it their personal duty to do everything in their power to further the interest of the association that all outsiders may become encouraged to come in and be members, and wishing you the greatest of success in your efforts to make the poultry business bigger and better and with kind regards, I am, very truly yours,

THEO. HEWES.

CONSTITUTION AND BY-LAWS OF THE POULTRY PRESS ASSOCIATION.

(1) NAME.—The name of this organization shall be "The Poultry Press Association of America" with headquarters where the secretary resides.

(2) OBJECTS.—Its objects shall be the cultivation of social relationship between its members and free exchanges of ideas and discussions for means to promote the best interests of poultry culture and for the elevation of the standard of our vocation.

(3) MEMBERSHIP.—The membership

of this association shall be confined to reputable poultry papers and agricultural papers containing poultry departments, and the membership shall be held in the name of the paper.

(4) OFFICERS.—Its officers shall be a president, vice-president, secretary and treasurer, and an executive committee composed of the president, secretary and seven other members of the association, to be elected annually, with the duties of such officers.

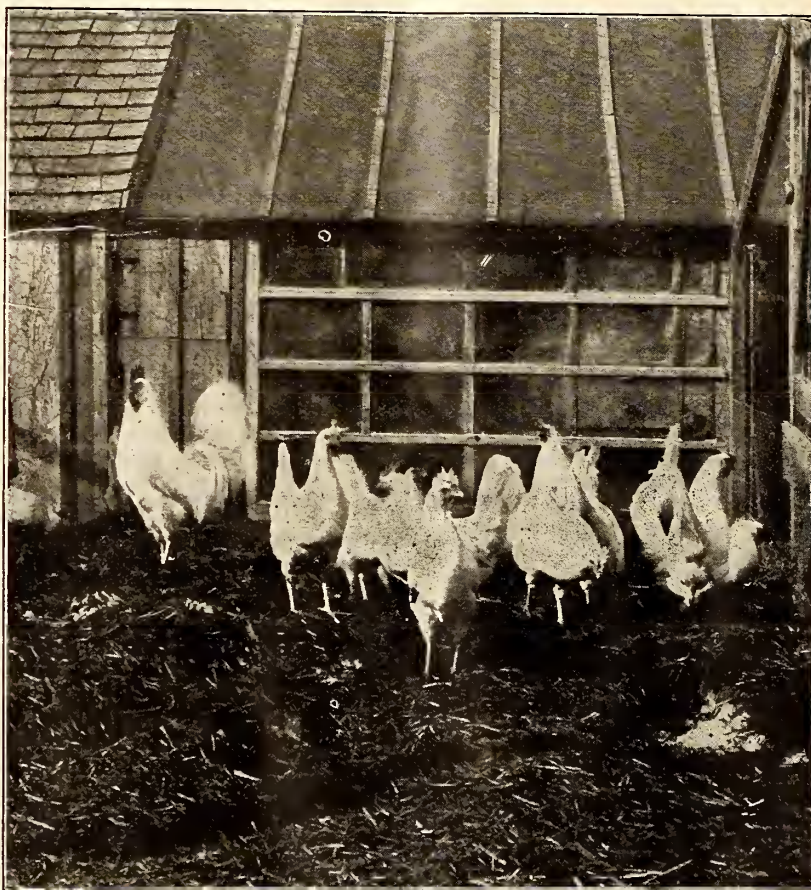
(5) FEES AND DUES.—A membership fee of \$5 will be charged each member. The quarterly dues shall be \$1.25, payable on January 1, April 1, July 1 and October 1 of each year and the executive committee has the power to call for an additional assessment if it is found necessary in order to properly conduct the business

be recognized on the floor or be permitted to vote.

(7) VOTE.—Each paper represented shall be entitled to one vote only on all questions.

(8) MEETINGS.—An annual meeting shall be held at such time and place as a majority of the members shall designate. This vote shall be taken by mail during the month of November of each year and notice of said meeting shall be given by the secretary to all members not later than December 1. Special meetings may be called at any time by the Executive Committee provided that all members of the association shall have thirty (30) days' notice of said special meetings.

(9) AMENDMENTS.—Additions and amendments to the constitution and by-laws may be made at any regular meet-



Cockerel Breeding Pen of S. C. White Leghorns. Owned by W. L. Fern, Elgin, Ill.

of the association. In case such dues are not paid within thirty (30) days from time they are due, the membership shall be suspended. In case such dues are not paid before the next annual meeting, the membership shall be forfeited and the paper thus forfeiting membership can be reinstated only by a majority vote of the association, upon payment of all arrears to date.

(6) ADMISSIONS.—Members can be admitted at any time by the majority vote of the executive committee, providing the membership fee accompanies the application.

It is understood that the membership is held by the paper and not by an individual, and in case any person other than the recognized publisher of the paper is present as a representative of said paper, he must produce credentials from the publisher, which shall be submitted to the Executive Committee and by it approved before the holder shall

ing by a two-thirds vote of members present, provided that notice shall be given by mail to all members sixty (60) days prior to the date of meeting.

"We will offer a prize for the best plans for a poultry house suitable for a farmer. We want the plan to show at least one elevation of the poultry house and also the ground plans; we also want plans for a poultry house used in the village or by small breeder to show elevation and ground plans and a short description of both houses. For the best plans submitted to us on or before September 1, 1905, we will give a check for \$25.00. The plans to be our exclusive property. The plans that we do not award, we reserve the right to buy to be agreed upon by us and the person who presents them. If any further information is wanted, please address all communications and plans to the J. W. Miller Company, Freeport, Ill."

WANTED

STRICTLY FRESH EGGS

for market use. Wire or write
what you have to offer.

C. M. OWENS & CO.,
4 So. Clark St., Chicago, Ill.

POULTRY ADVERTISING.

Selecting the Medium—Preparation of Copy—Contract for Space by the Year to Get Results..

Some time ago I had something to say regarding this subject in the columns of THE AMERICAN POULTRY JOURNAL, but as considerable time has elapsed since then there are doubtless a great many new A. P. J. readers and, too, there are many new developments in this branch of the industry which were not then mentioned. Should I happen to repeat some of the sentences of my previous article I trust I may be pardoned for it for not only the reasons mentioned above, but also for the reason that something new said at this time may demand it in order to make my arguments plain.

From my experience in the field of advertising I know it to be a timely subject. The beginning of a new year, starting on a new page in the poultry business is in order. If you have an idea of advancing or enlarging your poultry business you cannot well afford to overlook the advertising.

Advertising is the magic word that moves the world in these stirring times. Take away the advertising columns of any paper, no matter to what class it belongs, and you have removed a very important part of the paper and also got rid of a whole lot of subscribers.

Advertising is an endless chain. Readers will adhere to the paper with the most and best advertising and the advertisers will cling to the paper with the most and best readers. The advertising rate of a reliable paper is established according to its subscription list. When an advance in rates is announced, it means just so many more readers, and it's a dead sure thing that a paper like the A. P. J. will not advance its advertising rates unless the publisher is certain beyond a doubt that he can produce results according to that advance. He is not only watching his advertisers and their interests, but is constantly devising means to secure helpful and interesting reading for his readers. His aim, too, is to add thoughtful and intelligent readers. His eyes are everywhere, looking for the best people, and no one knows how to gain these points better than the progressive publisher.

Patience is a virtue in advertising the same as in any other branch of the poultry business.

You plant your seed and must wait for it to come up and produce a crop. It depends on you what that crop will be. If it was well planted in the right season, it is pretty sure to sprout. But your responsibility does not cease here. You must nourish your advertising just as you would your crops. Your corn would soon be overcome with weeds if it were not cultivated. So will your advertising. Just as in the beginning, when corn raising was in its infancy, you must learn to distinguish corn from weeds; good advertising from poor publicity. You must dig out the poor stuff and, while you may make some mistakes and occasionally pull up a good stalk, if you are watchful you will not make the same mistake a second time unless it is sheer carelessness.

Impatience is the cause of a great many failures in business and especially in the poultry business. Can't wait for results. The thought that the first ad should cause a deluge of orders will pre-



THIS MODEL POULTRY PLANT

operated by the Columbia School of Poultry Culture, Waterville, N. Y., is covered with Paroid Roofing. Here is what they say about it:

"We are sending you photograph of our buildings covered with your Paroid Roofing. This material is giving us excellent satisfaction and we are very glad to extend to you the privilege of using the illustration."

PAROID ROOFING

has no equal as a durable, economical roofing. Used by thousands of poultrymen and farmers for roofing and siding all classes of buildings. Any one can lay it (roofing kit free.) Slate color—contains no tar, does not crack or run—does not taint rain water—keeps buildings warm and dry—resists fire, water, heat, cold and gases.

Send for Free Samples and name of nearest dealer and investigate for yourself. For two 2c stamps we'll send new book of poultry house plans.

F. W. BIRD & SON, (Established 1817.)

Originators of complete roofing kit, fixtures for applying in every roll.

East Walpole, Mass.

Chicago, Ill.

50 FIFTY 50

We have fifty Lt. Brahma, Partridge and Buff Cochins cockerels and cocks that must be moved. These are extra choice breeders and exhibition birds and will go at half their value. Prices \$2.50, \$5.00, \$7.50, \$10.00 and up. Send on your order or write for further particulars.

ELMDALE FARM, C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Iowa



THE SANITARY PORTABLE HOUSES are light, warm and dry. Good house for renter and city breeder. SIX STYLES AND SIZES. Prices reasonable, material and workmanship A1. Low freight rates. Use box No. in writing for Catalog. Box 1

SANITARY HOUSE CO., Lemont, Ill.

White Wyandotte Sale

STILL ON. Will continue until we have our stock reduced so we can give the room to our one thousand growing chicks. 500 breeders to dispose of.

The Original World's Best

A limited number of extra early chicks for fall shows for sale. [Send for sale catalogue, describing several lots with prices.]

J. C. FISHEL & SON

Box J, Hope, Indiana

THE FAMOUS MARY L. POULTRY PLANT
FOR SALE

This is the largest and finest equipped poultry plant in the world. No other like it—nothing to compare with it. Buildings and equipment alone cost \$100,000. Buildings are all of brick with slate roofs and built to last. Produces 730 tons of stuffed poultry, 100,000 broilers and 73,000 dozen unfertile eggs annually, all sold in the best markets in the world at prices always in advance of the market. Here's your chance to make a mint of money—comes but once in a lifetime. Everything all ready—business thoroughly established—just step right in and keep it going.

REAR VIEW



This immense plant will be sold at a price that will surprise you. If you want a fortune, this is your opportunity. Some man's going to get a bargain if he takes this quick. Must be sold. Write today for prices, terms and full information.

WM. A. GRAHAM, TRUSTEE, P. O. BOX B, SIDNEY, OHIO

CORN Harvester cuts and throws in pile on harvester or windrows. Man and horse cuts equal to a corn binder. Price, \$14. Circular free showing harvester at work.

New Process Mfg. Co. Lincoln, Kan.

Barred Ply. Rocks.

Bradley Bros. Strain. Exhibition and breeding cockerels of the very best blood and breeding, for sale this fall. F. F. WINSOR, Hollenberg, Washington Co., Kansas.

For Sale at a Reduction

Our breeding stock with hundreds of young birds. All standard varieties. Hundreds of prizes won. Write your wants. B. S. Beckington, Garden Prairie, Ill.

CHOICE REGISTERED COLLIES

Pure bred, for sale at from \$10 up according to age and breeding. Great home dogs and stock workers.

A. D. BURHANS 2413 Y Street, Lincoln, Neb.

EGGS \$1 PER SETTING

We are breeders of Barred and Buff Rocks, Silver Spangled Hamburgs and R. C. B. Leghorns. Write us your wants. We also breed Homing Pigeons. Try "Fly's Egg Producer" 5 lb. pkg. 50c. Mrs. E. B. Fly, prop., Edwin W. Fly, Mgr., Clear View Poultry Yards, Chalfont, Pa.

Learn Telegraphy and R. R. Accounting

\$50 to \$100 per month salary assured our graduates under bond. You don't pay us until you have a position. Largest system of telegraph schools in America. Endorsed by all railway officials. Operators always in demand. Ladies also admitted. Write for catalog

MORSE SCHOOL OF TELEGRAPHY

Cincinnati, Ohio, Buffalo, N. Y., Atlanta, Ga., La Crosse, Wis., Texarkana, Tex., San Francisco, Cal.

Stearn's Bone Cutter

Shipped anywhere on **Thirty Days' Free Trial**. Fowls fed on the green bone ration as prepared (milled) by the Stearns Cutter will double their egg output in fall and winter. You write at once and get the bone cutter book. It proves that poultry profits can be increased the year 'round. Do it now.

E. C. STEARNS & CO. Box 100, Syracuse, N. Y.

CUT PRICE IN EGGS

75 cents per 15, \$1 per 100. Choice breeding stock going at \$1.00 each.

Northwestern Poultry Farm,

L. B. Jennings & Son, Polk City, Ia.

TRAP NESTS

Wellcome's Ideal is King.

Prevents Broodiness. Crowding on the Nests. Egg Eating.

Cost small. Circulars free. No freight.

F. O. WELLCOME, York St., Yarmouth, Maine.

THE IDEAL



Doolittle Partridge Wyandottes

Best on Earth. 10 cents for nearest and most complete catalogue to date. Eggs from World's Fair champions \$2.50 for 15 after June 1st.

W. A. Doolittle Sabetha, Kan.

CHICK, CHICK, CHICK

If you want to raise your little chicks use

ARISTON CHICK FEED

Carefully prepared and the standard for quality. Send for sample and price.

PIGEON AND POULTRY FEED

Wheat, Kaffir Corn, Eng. Maize, Flint Corn, Broken Rice, Buckwheat, Peas, Millet, Rape Seed, Hemp, Tick Beans, Canary Seed, Lentils, Vetches, Hulled Oats.

DONOVAN & BURNS

Successors to John H. Boschen & Bro. 246 Fulton St. New York.

dominate with a majority of the young breeders and new advertisers.

And now to tell how to do it. Perhaps I have already stated so much concerning the failures that some of you are becoming impatient, but just hold on a while longer. Be like the witty Irishman who was on the runaway rig. A friend of his shouted, "Jump off Pat, jump off." Pat replied, "Why the devil do I want to jump off; it's all I can do to hang on."

You have ridden so far with me, now just stick until I get through and I think you will admit my arguments are good. And if you proceed along the lines I mention, you will find an improvement in the results of your advertising.

We will say that you have selected your paper. (We will begin at the beginning, just as though you had never advertised.) It's even chances that you have selected one of the best papers. One with a large circulation and lots of good and intelligent writers and readers, regardless of its advertising rate. And if you haven't selected such a paper, you have made a mistake to begin with. An error that will cost you money and set you back just a month in your progress.

By this time you have made up your mind just what you want to sell. And let me say right here, start your advertising a little in advance of the season, providing you have never advertised before. Get acquainted with the readers of the paper selected. Now you plan your advertisement. Here is trouble. You cannot be too careful in the preparation of your copy. Write it twenty times, if necessary. Each time inspect it carefully and ask yourself if it is logical and is it plain and easily understood. To be sure, it is not easy at first to produce well rounded sentences, but a little practice will bring results. Cut out unnecessary words; words that cannot possibly mean anything to your prospective buyers. Say what you mean; mean what you say. Gauge the amount of your words according to your space; that is, providing you have already made up your mind how much space you intend to use. It is better to say what you desire in your ad and use the amount of space required to display it. In contracting for space you agree to take so many inches during the time contracted for. This allows you to use elastic methods in advertising. You can use more space one month than you do another or during the dull season.

I have not made any particular mention regarding classified ads but, nevertheless, they are a very important factor in the makeup of a poultry paper and are certain to bring direct results. They have been the means of convincing many a small beginner that advertising pays and at the same time allows the beginner or small breeder an opportunity to advertise according to his business. They are especially beneficial to the periodical advertiser. He has something to sell or exchange at a certain time and at such times it is good policy to employ the classified or want column ads, even though you have a display ad.

A little further on I intend to give some actual examples of advertisements. There is a marked improvement in the advertisements running in the leading poultry papers today over those of a few years ago. This is partly due to those who have studied out methods of making good ads and those who have learned the necessity for improvement by actual experience at their own expense.

If it is your intention to stay in the poultry business you should engage space

in your favorite paper or papers by the year. Keep before its readers every month and each month have something new to say.

Come to the point at once. Don't crowd your space so full of words that it looks like a dump box of a printing office for old type. A little white space between the headlines and reading matter, also at the bottom and sides, makes your ads stand out good and strong. The building that stands alone in an open space will attract attention quicker than one huddled in among a lot of others. Its outlines will also be remembered longer. A neat rule or border around an ad improves the appearance and I know the A. P. J. is perfectly willing to use them for its advertisers without additional cost.

I have mentioned the fact in this article that it pays to select for advertising purposes a paper with a wide circulation, even though the rate is higher. I do not wish it understood by that that the papers with smaller circulation should not be employed. They should be used and will produce results according to extent of business done. What I intended to convey was simply this: if you cannot command but a certain amount of money to start advertising with, and we will say that amount is about what is needed to cover the expense of a year's advertising in one of the highest priced papers, it is better to concentrate your advertising and confine it to one paper with an extensive list of advertisers and subscribers rather than to divide it up among two or more smaller papers.

I had intended to say something about illustrations and cuts and how to use them in your ads, but will have to postpone that until my next paper, as I am about to the end of my space. However, in the specimen advertising, which will come in subsequent papers, will endeavor to show how and what cuts to use to best advantage. I will also mention at some length something concerning the printed matter that should be used in connection with the poultry business.

W. H. EATON.

Turn the hens together on range if you are through breeding and place the males in large yards with green food, shade, etc., so that each specimen may have its rest and be ready for work next breeding season.

LEE'S

LICE KILLER

strongest and best. No handling, dusting, dipping or greasing. No trouble with vermin if you use Lee's—the name insures quality. Price, qt. 35c; ½ gal. 60c; gal. \$1. Sold by dealers in every state.

GERMOZONE

cures Chicken Cholera, Bowel Complaint, Sore head, Roup—the best chicken medicine. Profits are in healthy chicks. Save the chicks—increase your profits. Germozone will do it. Price 50 cents, postpaid. Send for new poultry book containing calendar and egg record and lots of valuable information.



GEO. H. LEE COMPANY
Box 91 Omaha, Neb.

WHAT MADE THE DIFFERENCE?

Mr. A. was born and raised on a farm, that is, he had stuck to the farm until he was twenty-one, then like many another country boy he had taken his fate in his own hands and gone out into the world to seek his fortune.

This oftentimes fickle dame favored him and he became prosperous, and finally the manager of a large mercantile business. But often in his hot, stuffy city office he smelled in imagination the new mown hay and scented the sweet perfume of clover fields, and promised himself that some time he would return to the country and spend his old age in the open air and perhaps raise poultry or small fruits. The time came sooner than he had anticipated. An unexpected failure left him stranded and almost a financial wreck. Now he would leave the unfriendly crowd and seek the delights of the country once more.

Believing there was "money in poultry" he secured a few acres of land with a small house on it and with his wife in full sympathy they returned to the country to try their fortunes in this new field. The first thing Mr. A. did was to subscribe for two or three poultry journals. From these he studied carefully the most approved methods of feeding and breeding, the different styles of poultry houses, etc. The next step was to build an up-to-date poultry house facing the south with scratching sheds—a wise point—and oiled curtains that could be raised or lowered, according to the weather.

This he proceeded to fill with two of the best breeds of poultry that could be obtained. Everything was now ready and Mr. A. expected to fill his baskets with eggs and his pockets with money while eggs were so high. That was the proper time for hens to lay, but these particular hens evidently thought differently.

Among other things he had not failed to study up all the diseases which were supposed to afflict even the best of hens. Mr. A. carefully watched his flock for "symptoms" which did not fail to appear. As a result a hen hospital was improvised in one corner of the kitchen and as it was seldom without an occupant the good wife demurred, and as the cellar was light and dry Mr. A. set up a stove and removed the hospital to the privacy of the cellar. Here he faithfully treated the different ailments with the most approved remedies. Some rewarded his efforts by living, others became food for the crows.

It was late in the spring before his hens began to lay. Some of them never laid at all, and Mr. A. was forced to the sad conclusion that he had been the victim of the lust for greed on the part of some brother poultryman.

However, by the first of May he had saved a sufficient number of eggs to start the 200 egg incubator which he had placed in his cellar awaiting developments. When these had been brewing a couple of weeks he accidentally left them out too long when cooling and they became chilled, so he had to start all over again. The second batch proved more successful, and in due time a goodly number of little yellow fluffy things were ready for the brooder. It is needless to say that they were carefully watched and tended, but in spite of the best of care and feeding the

majority of them pined away and died.

All this was discouraging, but as Mr. A. was a very persistent man he started out the next year with hopes of redeeming his fortunes. But alas! the second year proved to be very much like the first with some minor variations.

Then Mr. A. lost patience. He would turn the poultry business over to his wife. The business was only fit for women, and he would spend his time in something that paid. Mrs. A. was also raised on a farm, and among her pleasant recollections of childhood days was the caring for and feeding the poultry which wandered at will over her father's broad acres. In those days she had never heard of a sick hen, she did not believe in sick hens, and the little chicks left to the maternal instincts of their natural mothers grew to henhood strong and robust. So Mrs.

A. cheerfully accepted her charge. She fed and watered and cared for her brood very much as her husband had done, only she had omitted the scattering of seed between meals, as she did not think it best to disturb the hens too often. She always talked to them kindly and encouragingly and I really believe they looked forward to seeing her and hearing her voice as much as they did to the dinner which she brought them. Early in December they began to lay and there was no stopping until moulting time.

In the spring a few of the hens were allowed to become mothers, and so faithfully did they fulfill their part that a yardful of strong, healthy chickens were ready for the next winter's laying.

What made the difference?

Madison, Wis.

MRS. N. BRIGGS.



THE BIG TRUTH STICK

SMASHES WORTHLESS SEPARATORS

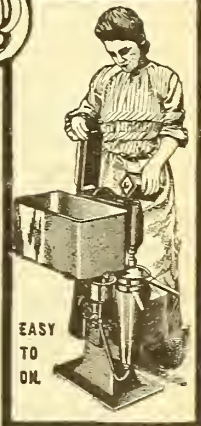
EASY OR HARD WHICH FOR YOU

Put *Facts and Common Sense* to work on a Tubular Cream Separator and **you know it must be easy to operate.** Put *Facts and Common Sense* up against a back breaking, hard to wash, high can "bucket bowl" machine and **you can't make yourself believe it is easy to operate.** In the light of truth, the out-of-date, "bucket bowl" separators go to smash. Which kind for you, the

Tubular	or	"Bucket Bowl"
Low Can	or	High Can
Simple Bowl	or	Bowl Full of Parts
Enclosed Gears	or	Exposed Gears
Self Oiling	or	Oil Yourself

Catalog O-205 tells all about Tubulars. Write for ..

The Sharples Separator Co.
Toronto, Can. WEST CHESTER, PA. Chicago.



EASY TO OIL

THERE IS HARDLY A MAIL

but new evidence comes up that the results of

DUSTON'S

careful and painstaking breeding during the past dozen years or more is helping even the most prominent breeders. For it brings home the fact that my customers, who have bought their

WHITE WYANDOTTES

direct, not only sell their eggs to these breeders to fill their order with, but that they hatch them for their own pens as well. Verily the truth grows—that Duston is the breeder that has made possible the "World's Best" flocks. Stock and eggs from headquarters is what you want. Send your wants to

ARTHUR G. DUSTON

Box 1020,

So. Framingham, Mass.

Studebaker Model Poultry and Egg Farms

Breeders of Single Comb White Leghorns, Rose Comb Black Minorcas, Rose Comb White Minorcas, and White Holland Turkeys. High Class stock for sale. Eggs in any quantities.

Studebaker Model Poultry and Egg Farms

South Bend, Indiana

COLLINS' RELIABLE POULTRY REMEDIES

Roup Cure, 25c. Cholera Cure, 25c. Diarrhoea Cure, 25c. Poultry Tonic, 25c. Cond. Powder, 25c. Cure Guaranteed.

Poultrymen, my remedies are backed by professional services. Convince yourself of the unequalled qualities they possess by giving me a trial order, and if they do not prove superior to any you have used I will cheerfully refund your money. I know positively from practical experience and unsolicited testimonials from users, that these remedies will meet every duty required of them with never failing results. Accept no substitute, as there is none just as good. Agents wanted, liberal inducements. Send stamp for descriptive Circular.

Mfg. by C. J. COLLINS & Co.

Hartford, N. J.



That give you satisfactory hatches without constant attention.

BROODERS

That rear practically all the chicks put in them.

POULTRY FOODS

That are made of sweet, wholesome grains, uniformly cracked, pearled and graded. Contain all the elements needed for quick, rapid and healthy growth, including the meat food. Bowel troubles and losses are eliminated when using these foods. Send for circular and let me tell you about them.

CHAS. A. CYPHERS, 301 HENRY STREET, BUFFALO, N. Y.

Good Openings in South Dakota

An important railroad extension through Lyman County, South Dakota, is being built by the

Chicago, Milwaukee & St. Paul Railway.

Land in Lyman County is now selling at from \$5.00 to \$15.00 per acre and values will probably increase 100 or 200 per cent as soon as the new line is completed.

This is a splendid opportunity to secure a good farm at a low figure. Low rates to South Dakota every Tuesday this summer.

Ask the ticket agent about train service and rates, or address

A valuable book on South Dakota
and its opportunities sent for
two cents postage.

F. A. MILLER,
General Passenger Agent
CHICAGO.

HOW TO ADVERTISE SUCCESS- FULLY.

The subject of how to advertise in order to bring success is one that the breeder of standard poultry should begin the study of as soon as he decided to embark in this branch of the breeding business. It will only require a limited experience to show that a fair degree of success cannot be attained without judicious advertising, and by adopting a businesslike method of advertising one may be convinced as quickly that success will come by this method.

To the breeder who decides to advertise in order to build up a business and reputation I would like to suggest those things which are absolutely necessary to begin with.

1. Something meritorious to sell.
2. The selection of a medium which is read by those who wish to buy what he has to sell.

3. A determination to give away to every customer the worth of his money.

While there are many other suggestions to be made looking towards the successful advertisement of the product of a breeder's skill there are the first and leading principles to be considered. A man may if he selects a good advertising medium and makes his advertisements read right create a good trade without having meritorious birds to send out to his customers, but there will be nothing enduring to such a trade; new customers will have to be secured each year and it is only a question of time when he will find himself without trade enough to pay his advertising bills.

Let it be understood to begin with then that a breeder must have meritorious stock to supply the demand which will be created by the right kind of advertising. The next question is a selection of a medium to tell possible customers what you have to offer. To the novice a selection from among the various journals devoted to poultry breeding will be somewhat difficult to make. As a rule, however, it will be noticed that the paper that presents the greatest amount of valuable reading to its readers carries the largest amount of advertising and a paper selected for an advertising medium by this standard usually proves satisfactory to the advertisers.

There are, of course, conditions to be taken into consideration which would have a bearing on the selection of a medium which might make it unwise to select one most fully answering the test mentioned. For instance a most valuable paper might have its circulation restricted to a part of the country from which a breeder located on the other side of the continent could expect to get but little trade. This condition will not be met with often, but it is not an impossible one. Here again the breeder must base his judgment on the indications presented in the reading and advertising columns of the paper. If it has a large general circulation over a wide stretch of territory that fact will be denoted by the character of the reading matter and the addresses of the advertisers.

After one becomes convinced that a certain paper or papers reach the people whose attention he wishes to attract will come the questions regarding space to be occupied, wording of the advertisements and whether or not to adver-

tise continuously or at intervals. The consideration of space to be occupied is easy to decide. Use as much as is necessary to say what you wish without being obliged to crowd it and enlarge it as fast as an increasing trade will justify.

The wording of an advertisement is a more difficult subject to deal with. As a rule it is safe to say what you wish in as few words as possible, so that they may be displayed to the very best advantage. Do not deal in generalities when constructing an advertisement. Tell what you have got as plainly as possible. If your stock has won prizes for you say so, and if you are perfectly certain that you can furnish prize-winners to others say that also. It is a good thing to change the wording of an advertisement often, and a study of your medium and the inquiries received from it will assist in its reconstruction.

I am a firm believer in continuous advertising. An advertisement becomes effective in the highest degree only after it has become a part, so to speak, of the paper selected by the breeder to carry it. His name should become a familiar one to every reader of the paper, so familiar in fact, that when one thought of him it would be to associate his name with the breed or breeds of fowls he advertises.

It is only by continuous advertising that one can attain this result, and the full value of advertising is never secured until that result is attained. By advertising at intervals or spasmodically one may get just enough trade to convince him that advertising is a good

thing, and many men get just that far, failing to see that they are hovering on the outer edge of the road to full success. My own experience has convinced me that a small advertisement kept continuously before the public is much more effective than one many times as large published occasionally.

There is also much to be learned regarding the placing of an advertisement and its embellishment. Nearly all the poultry papers make it possible for an advertiser to get his announcement on a page with reading matter, at least part of the time, and that position will often be found more effective than one elsewhere.

All who have looked over the advertising pages of almost any publication have noticed that some advertisements are set in light-faced type, some have borders around them and some are without. Some advertisers pay no attention to the way in which their matter is set, leaving it all to the compositor, and some make just as much of a study of composition and position as they do to the wording.

I think if one favors heavy-faced type he should be careful to get his advertisements on a page where light-faced type predominates, and if a border is desired the advertisement so enclosed should be placed among advertisements which are not bordered. The idea is to make your advertisement stand out prominent, and with this object in view the surroundings must be considered.

There may be cases in which an illustration may be incorporated in an advertisement with advantage, but as

a rule I think the space can be better utilized by plain words. In this connection it may be well to consider the value of so-called "catch lines" in an advertisement. As an effective line to catch the attention of readers of the poultry papers I have never found anything quite so good as the name of the breed being advertised. The average intending buyer of stock or eggs knows what breed and variety he wants and in looking over the advertisement he is attracted only to those having that breed and variety prominently displayed.

While it is well for a breeder to get his name identified with the breed or breeds he is advertising it is not good policy to make his own name in his advertisement more prominent than the name representing the breed he wishes to call attention to. A buyer does not look for the names of individuals when he peruses the advertising pages of a paper, but for the names of the breed or variety he wishes to invest his money in.

Too many advertisers think that when they have forwarded the copy for their advertisements to the editor of the paper that they have done their duty and hold the paper responsible for the success or failure resulting. This is entirely wrong. A paper can present to its thousands of readers an advertisement and secure for the advertiser inquiries, but there the work of the breeder begins. An inquiry does not necessarily mean a sale, in fact if not answered promptly and courteously it probably will be barren of results. It is a good advertising medium that will

Cyphers Poultry Supplies and Foods.

Our 1905 Catalogue consists of 228 pages. It contains six special chapters on profitable poultry keeping; more than 450 illustrations including latest portraits of 150 best known authors, judges, fanciers, editors, professors of poultry husbandry and owners and managers of the world's largest, successful poultry plants. Will be sent free, postpaid, to every reader who sends his name and the names and addresses of two acquaintances who keep poultry.

In addition to our splendid line of **INCUBATORS AND BROODERS** remember we are manufacturers of

Everything Required In Poultry Keeping

Our Poultry Supply Catalogue is Free. It contains a full list of the articles we manufacture, among which will be found

Chicken Coops,
Portable Houses,
Shipping Coops,
Egg Carriers
Food and Water Vessels,
Bone Cutters,
Chicken Punches,

Feed Cookers,
Lice Powder,
Fumigant,
Fumigating Candles,
Disinfectants,
Egg Preservative,
Poultry Remedies,

Chick Food,
Laying Food,
Forcing Food,
Scratching Food,
Cut Clovers,
Shredded Clovers,
Meal Clovers,

Food Hoppers,
Grit and Shell Boxes,
Leg Bands,
Egg Testers,
Wire Fencing,
Roofing,
Sprayers,

CYPHERS FORCING FOOD

Puts on size, flesh and weight, and produces plumage with a gloss quicker than any other poultry food on the market. It is not a condiment, but a pure food, properly balanced to give the results desired. It contains a large proportion of protein—the most costly nutrient to be found in grains—and is just what has long been needed by fanciers who wish to hasten the growth of plumage and to secure size on their young stock for the fall shows. As its name indicates, it is intended for forcing the growth and fitting young stock for market. It not only adds pounds to the weight of the birds, but adds a cent or two a pound to their value on the market. It makes the birds bigger and better and so greatly increases the profit on a flock, whether intended for market or show.

We grind, mix, sack and seal all our Foods. For the protection of our customers our ready-mixed Poultry Foods are put up in sealed bags, bearing our Trade Mark, each bag being sealed with a lead seal with the word "Cyphers" stamped on one side and the word "Buffalo" on the other. Customers should refuse all bags which do not bear our seal, also those on which the seal has been broken or removed. (ADDRESS NEAREST OFFICE)

CYPHERS INCUBATOR COMPANY,

BUFFALO, N. Y., Court and Wilkeson Sts.
KANSAS CITY, MO., 2325 Broadway,
NEW YORK, N. Y., 23 Barclay St.

CHICAGO, ILL., 310 Fifth Avenue
BOSTON, MASS., 26-30 Union St.
SAN FRANCISCO, CAL., 329 Sansome St.



\$50 IN CASH PRIZES

...GIVEN BY...

American Poultry Journal Pub. Co.

If you know anything about poultry you may win one of these prizes. We want you to tell our readers briefly what you know about one or more of the following subjects:

The process of molting. Care of the fowls during this period. What to feed and how to feed it. Is delicate color and gloss of plumage affected differently by different foods. If so, how and why? A general treatise on the subject of molting.

The best and most thorough explanation of line-breeding, with a detailed plan for establishing a strain, a clear and concise statement of the principles involved in developing the desired characteristics of the fowl and embodying the results of too close inbreeding.

Preparing birds for the show room. Instructions which will enable the amateur to take advantage of the many little details, which add to show condition. How to feed and care for the birds during their close confinement in show coops.

Instruction to the beginner whose ambition is to get prominently before the public as a fancier and breeder and establish a paying business.

The best method of starting a market poultry plant. The amount of money necessary to purchase stock and the profit to be expected from the outlay suggested. The amount of ground, number and size of buildings required and suggestions in regard to economical and successful management.

How to advertise successfully. Points to be considered in selecting a medium. Conditions affecting an ad and hints on the advantage of continuous advertising.

Has the specialty breeder greater chances of success than the breeder of several varieties, as regards prominence and high prices for stock and eggs? If so, why?

Advice on management of incubators and the advantage of their use even though hens are available for the purpose.

Success with brooders. How to feed and care for the chicks.

Rules to be observed in getting the highest percentage of fertile eggs. Hints on house room, feed, care, selection and mating, as affecting fertility of eggs.

\$25 For the Best Article

\$15 For Second Best Article

\$10 For Third Best Article

For the next five best articles a copy of the New Illustrated Standard of Perfection will be given.

For the next five best articles, one copy of the book, "Why Poultry Pays and How to Make it Pay," will be given.

The list of subjects has been selected with a view to covering a wide range, so that every breeder will find some subject with which he is familiar enough to write upon with a fair chance of winning. THE CONTEST CLOSES OCTOBER 1, 1905. All copy must be in our hands not later than this date. The articles must be original and not have been published before. They must contain not less than 1,800 nor more than 2,500 words. **The writer who covers his subject most thoroughly and presents it in the most comprehensive manner will be given first prize.** We reserve the right to retain all articles sent in and to publish them, if we so desire, giving full credit to the writers.

These prizes are worth trying for. You can lose nothing but a little time and you may be one of the winners.

Prepare an article at once and send it in. Address

AMERICAN POULTRY JOURNAL PUB. CO.
325 Dearborn St., Chicago, Ill.

bring inquiries from prospective buyers, and it remains for the advertiser to convince the inquirers that he has the class of stock wanted and at prices which will make it a good bargain to the buyer.

After an advertiser, by placing his advertisements in the right kind of medium persistently and intelligently gets inquiries and later on customers he will only secure temporary success unless he deals frankly and honestly with those who are attracted to him. A dissatisfied customer may do much to destroy the work of the most intelligent advertiser, and the breeder who is forced to depend on new customers each year will find advertising an expensive and uphill road to travel. On the other hand each satisfied customer makes advertising less expensive and more certain of success.

Contrary to the opinion of many novices advertising is not, as a rule, productive of immediate results. The readers of the papers do not rush to buy of a new advertiser, but wait until they get better acquainted with his announcements. Any one can be convinced of the truth of this by letting his mind run back over his own experience. Is it not a fact that when wishing to buy stock or eggs you wrote to advertisers whose announcements had been familiar to you for some time. This is exactly the way other intending buyers feel, and until your name and reputation become somewhat familiar to the readers of the papers you will get but a small share of the patronage bestowed, as compared with the amount extended to the better known advertisers.

This condition, however, need frighten no one, for all the successful breeders have had to face it, and it was due to their taking the right view of it that enabled them to attain success. It should not be concluded from what I have said that the new advertiser will get no patronage, for he will if he places his advertising in the right paper, words it so as to attract attention and can follow up his inquiries with letters that will convince the inquirers of the merit of his stock.

An advertisement in a good medium has been fittingly compared with a sum of money placed in a savings bank, in that the longer it remains the more is its earning capacity, and if one sees that it is worded rightly, placed in a good position and that it never makes any promises which cannot be fulfilled the comparison is a very good one indeed.

To sum the whole matter up it may be said that in order to advertise successfully one must have what a considerable number of people want, then those must be reached through the columns of the papers they read by persistently keeping the merits of your stock before them, and finally by giving every purchaser full value for his money. If these conditions are complied with and the breeder profits by the experience gained with the lengthening of his career as an advertiser his ultimate success will be assured.

Alden, N. Y. HENRY L. ALLEN.

If you are so situated as to have plenty of shade for the chicks, you are fortunate; if not, better provide some. Can't raise nice chicks if you allow the sun to blister the plumage.

FATTENING FOWLS.

The good prices to be obtained for fine table fowls should tempt poultry keepers who have plenty of space to give some attention to this branch of poultry culture. In some districts, fattening is carried on by special "fatters" who buy up the chickens in their neighborhood and confine them to a regular diet. But in many other parts there are no professional "fatters" and the chickens are sent to market by the farmers and others who rear them without any preliminary preparation in the matter of feeding. Those who have eaten fowls that have been fattened have generally found them superior to those that have gone through no preparation. It will be remembered that the term "fatted" does not mean that the fowl is to be loaded with fat; only, that the quality of the flesh is to be improved and made tender and that the quantity of meat is to be increased.

The splendid specimens that are to be seen in the table poultry section of the Boston and other shows are strong evidence of the improvement that can be wrought by clever feeding. The weight per pair of some dead chickens exceeds twenty pounds and this will give an idea of what can be produced with care and skill. There are so many breeds of fowls suitable for the table that there is no excuse for the miserable little chickens still so often seen, which will not lay on flesh, however well they may be fed. There is no better fowl for eating than a cross between the Dorking and the Indian Game, bred from the Dorking cock and Indian Game hen, or from the sexes reversed. The Langshan, too, is an excellent bird, with a quantity of meat.

To fatten fowls, they are confined in coops or pens and fed at regular periods on a fixed diet. When first shut up they are fasted for about twelve hours, to give them an appetite for the new treatment. They are fed three times a day at stated times. The food usually consists of soft meal, corn meal, pea meal, barley meal or ground oats. This is mixed to a thin state with skim milk and given in a wooden trough, fastened to the front of the coop or pen. At the end of about a week the food is made thicker; some beef or mutton fat is added, the quantity of which is gradually increased. No water is required and grain is not necessary, though some fatters give boiled barley for the last feed in the day. Some flint grit is provided and some boiled nettles two or three times a week. The food must never be given when stale or sour. If a bird appears not to thrive during the process, it should be turned out in an open run without food for twenty-four hours and then replaced in the coop and tried again.

Some chickens fatten much more easily than others, but about three weeks is the usual time for the treatment to continue, before they are ready for the table. After a chicken is fattened it will not remain in the same state but will go off and become out of health if the same diet is persisted in. It is therefore necessary to calculate the time, if the birds are required for eating at any particular date. No amount of feeding will make an old fowl tender; skillful cooking can alone do this. A cockerel that has been allowed to run with hens will as a rule prove tough and hard.

A. V. MEERSCH.

Poughkeepsie, N. Y.

White Wyandottes and Pekin Ducks

Greatest competition White Wyandottes and Pekin Ducks, winners in the greatest competition in the world: World's Fair champions: 1, 3, 6 and 7 on young Pekin hens; 2, 3 and 7 young drakes, 3, 5 old drakes and 4 old heu. Won 6th and special on cock in White Wyandottes, and I have the best in the world in my breeding pens for 1905. 1st cock, 3d cockerel, 1, 2 and 4 pullets and eight more pullets, sisters to the prize winners and a brother to the 3d prize cockerel.

Illinois State Fair, 1st, 2d and 3d on Pekin Ducks. No White Wyandottes were shown. St. Louis Fanciers Association, Dec. 1903, won 1st breeding pen, 1st pullet and 3d cock in White Wyandottes and special for best pullet. Chicago National Fanciers' and Breeders Association, 1905, won 1, 4 pullets, 1, 5 hen, 1, 3d chl., 2, 5 cock and three specials for best shape, and silver cup for the whitest bird in the show room on White Wyandottes. Pekin Ducks 1, 2 cock, 1, 2 hen, 1, 2 cockerel, 1, 2 pullet. White Wyandotte eggs \$3 for 15, \$5 for 30. Pekin Duck eggs \$2 for 11, \$3.50 for 22, \$7 for 50.

THEO. AMBROSIOUS

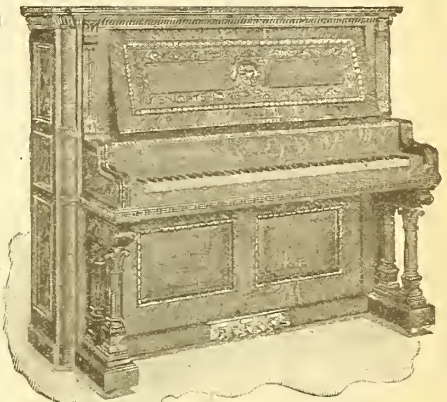
Collinsville, Illinois

WING PIANOS

Are Sold Direct From the Factory, and in No Other Way

You Save from \$75 to \$200

When you buy a Wing Piano, you buy at wholesale. You pay the actual cost of making it with only our wholesale profit added. When you buy a piano, as many still do—at retail—you pay the retail dealer's store rent and other expenses. You pay his profit and the commission or salary of the agents or salesmen he employs—all these on top of what the dealer himself has to pay to the manufacturer. The retail profit on a piano is from \$75 to \$200. Isn't this worth saving?



SENT ON TRIAL

Anywhere We Pay Freight No Money in Advance

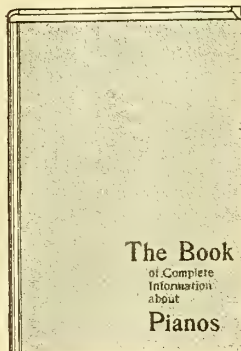
We will place a Wing Piano in any home in the United States on trial, without asking for any advance payment or deposit. We pay the freight and all other charges in advance. There is nothing to be paid either before the piano is sent or when it is received. If the piano is not satisfactory after 20 days' trial in your home, we take it back entirely at our expense. You pay us nothing, and are under no more obligation to keep the piano than if you were examining it at our factory. There can be absolutely no risk or expense to you.

Do not imagine that it is impossible for us to do as we say. Our system is so perfect that we can without any trouble deliver a piano in the smallest town in any part of the United States just as easily as we can in New York City, and with absolutely no trouble or annoyance to you, and without anything being paid in advance or on arrival either for freight or any other expense. We take old pianos and organs in exchange. A guarantee for 12 years against any defect in tone, action, workmanship or material is given with every Wing Piano.

Small, Easy Monthly Payments

In 37 years over 40,000 Wing Pianos have been manufactured and sold. They are recommended by seven governors of States, by musical colleges and schools, by prominent orchestra leaders, music teachers and musicians. Thousands of these pianos are in your own State, some of them undoubtedly in your very neighborhood. Our catalogue contains names and addresses.

Mandolin, Guitar, Harp, Zither, Banjo—The tones of any or all of these instruments may be reproduced perfectly by an ordinary player on the piano by means of our Instrumental Attachment. This improvement is patented by us and cannot be had in any other piano. WING ORGANS are made with the same care and sold in the same way as Wing Pianos. Separate organ catalogue sent on request.



The Book of Complete Information about Pianos

You Need This Book

If You Intend to Buy a Piano—No Matter What Make

A book—not a catalogue—that gives you all the information possessed by experts. It tells about the different materials used in the different parts of a piano; the way the different parts are put together, what causes pianos to get out of order and in fact is a complete encyclopedia. It makes the selection of a piano easy. If read carefully, it will make you a judge of tone, action, workmanship and finish. It tells you how to test a piano and how to tell good from bad. It is absolutely the only book of its kind ever published. It contains 156 large pages and hundreds of illustrations, all devoted to piano construction. Its name is "The Book of Complete Information about Pianos." We send it free to anyone wishing to buy a piano. All you have to do is to send us your name and address.

WING & SON

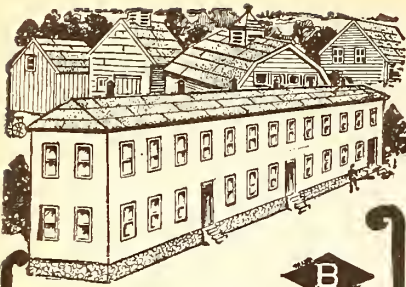
350-395 West 13th St., New York

Send to the name and address written below, the Book of Complete Information about Pianos, also prices and terms of payment on Wing Pianos.

Send a Postal To-day while you think of it, just giving your name and address or send us the attached coupon and the valuable book of information, also full particulars about the WING PIANO, with prices, terms of payment, etc., will be sent to you promptly by mail.

WING & SON, 350-395 West 13th St. New York
1868—87th Year—1905

Cut or tear out this coupon and mail to us after writing your name and address at bottom. We will promptly mail book and other information.



**It Speaks For Itself
From The Housetops**

**Amatite
ROOFING**

If your roof needs repairing, or you contemplate erecting a new building, send for a sample of the new Ready-to-Lay Roofing—AMATITE. It looks better, wears longer and gives more satisfaction than the old kinds, and costs much less.

Booklet and free sample on request.

BARRETT MFG. COMPANY,

New York, Chicago, Philadelphia,
Cleveland, Cincinnati, St. Louis,
Allegheny, Kansas City, Minneapolis,
New Orleans.

**A
Hen's
Teeth**

are in her stomach. Give her good teeth and she'll digest good food for you and turn it into profit. The poultry raisers who supply their hens with

**Mico Spar
Cubical Grit**

find it never loses its sharp points and corners. It is the best kind of teeth you can give your hens. Contains iron for yolk; lime, soda, magnesia for shell. It costs a cent a pound in hundred pound bags at your dealers. Agent wanted in every town. Send for free folder No. 10

International Mineral Co.
120 Tremont St., Boston



GIZZARD

**A WOMAN WANTS
MORE EGGS**

The butter and egg money is a big item to the farmer's wife. She can increase her egg production by feeding Harvey's Mixed Grains—a combination of cereals specially suited to poultry, with 7 years of success behind it.

A Money-Saving Catalogue Free
HARVEY SEED CO., 30 ELLICOTT ST., BUFFALO, N. Y.

Eggs Keep perfectly fresh from 6 to 8 months when packed in Willett's Egg Preserver

It is a pure water glass; one gallon enough for 100 dozen eggs. 15 cents a pint, 25 cents a quart, \$1.00 a gallon.
ROLLA A. WILLETT, Box 56, ANDERSON, IND.

PREPARING FOR THE SHOW ROOM.

Let it be understood in the beginning that all the skill and knowledge of those of experience in the art of fitting birds for the show room cannot transform a second rate specimen into a prize winner. Neither can a bird of royal pedigree, standard weight and fashionable markings win unless in the pink of condition. Hence the successful fanciers of today, throughout poultrydom, are those who raise the very best birds and show them in the best possible condition.

Competition in the modern show room is so keen, and the work of the breeder in producing high scoring specimens so far in advance of what it was twenty, or even ten years ago, that a bird, to win, must necessarily be shown in perfect form and must have been hatched well from vigorous, healthy ancestors of highest quality, and from chickhood up to the show room should have the closest care and the benefit of proper feed, range and attention.

I do not say this to discourage the fancier of limited experience who exhibits his birds for the first time. On the contrary, he is the fellow I want to assist, and I urge him, no matter how ever good or bad your birds may be, show them in their best possible form in order to learn from your score card what their merits and defects may be.

The word "condition," as defined by the American Standard of Perfection, has a broad meaning, and in its direct application to a fowl, means health, cleanliness and beauty of plumage. These qualities cannot be given to a bird in a day or a week, but are the result of good breeding, proper feeding, shade, fresh, clean water, clean, dry, well ventilated quarters and good range during the early period of growth. Six weeks before the opening of the show season, select from your flock a number of the largest, most shapely and best marked birds, which should be placed in large yards with shade and grass run, if possible—(cockerels in separate yards from pullets). The roosting house should be kept scrupulously clean by use of lime disinfectants and insecticide. Examine birds closely and if infested with mites or lice, get rid of them at once by insect powder, or some standard remedy. The perches in the house should not be over twelve inches high and should be removable. In the yard keep clean, fresh water that should be renewed several times daily during the warm weather. In good sized shallow boxes grit, charcoal and crushed shell should be kept. Now comes the question of feed that will insure health, growth and bring out the plumage in clear, clean colors. Gradually work the birds onto a ration that is well balanced, and one that contains the greatest possible variety of food that a bird will eat, and feed plentifully. I have never yet found that I was feeding young growing stock too much. They may tire of one kind of feed and perhaps leave it untouched. This is not due to the birds not being hungry—on the contrary, they may eat freely of some other food, if given it. Hence, the necessity of variety. I feed sound grain, principally wheat, milk, cabbage and, at noon daily, a mash composed of two parts bran and two parts corn meal and one part

ground beef scraps mixed with milk. The evening feed is wheat, corn or sunflower seed, and of the latter I think highly, as they exert a most beneficial effect on the growth of feathers. Bear in mind that in following this plan, I am feeding for condition. Condition that means health, cleanliness and beautiful plumage. I want no pale combs and shanks, dull colors in plumage and slender, meager necks. The birds must have the essential elements in food to make bone and feathers, as well as flesh, and this ration gives me better results than anything I have ever tried. The ground beef scraps is twice the quantity some of our best breeders recommend, but 20 per cent animal feed in the mash does better for me than 10 per cent. Milk is objected to by some, but I have yet to find it harmful. I substitute when I can, cut bone instead of the beef scraps, but cannot say it is any better, and only do so for the sake of variety. The same may be said of oats and other grains. They are good, but no better than wheat. My method is not a model one for feeding. The birds are never without feed, contrary to the rule practiced by many breeders of feeding just what will quickly be eaten up clean, but it gives me good results, both in the show room and in the breeding pen, after the show season closes.

Follow this plan of yarding and feeding up to a week before the time for shipment to first show. Weigh your birds often and look them over each night to see that they have full crops and then begin the final work of preparation for the exhibition.

If you have kept everything perfectly clean, and your yard has been shaded, it will not be necessary to wash your birds unless they are of some white breed, and positively not then unless the atmosphere of your premises is filled with dust and coal smoke. But if your birds are not clean, snow white breed, and possibly not then better half and wash them. Use castile soap and warm water, making a thick lather which should be applied freely, but gently, to all feathered sections of the fowl. Spend some time in this and work the lather profusely into the feathers to the skin. When thoroughly "lathered," hold birds by feet and head and draw through a tub of warm water (not hot) repeatedly, until feathers are free from all soapy matter. Then fill the tub again with warm water and rinse thoroughly. Ask your wife to prepare the third tub as she would in bluing the white garments of the weekly wash, and in this "blue" water give the bird its final bath. Place the bird (after pressing out all the water you can with your hands) in a slatted coop with open side to a warm stove and keep there for several hours. The bottom of coop should be covered with an inch of shavings, sawdust or fine cut straw. Don't let the bird get too warm, neither should it get chilled, and after being partially dry, if the day be warm, put coop where bird may be in the sunshine. Be careful to keep bird out of drafts while wet, for colds are easily contracted during the washing process. This plan works wonders with a dirty bird, but to my mind the whiteness is not as pure and attractive as that of a bird that is of the "stay white" kind, and that has had the ben-

eft of clean quarters and environments that are conducive to "stay whiteness."

Now that your bird is washed, dried and clean, place him in an exhibition coop. Set coop under shelter, but in the light. Water and feed as usual and invite your friends to see him. If he is disposed to rebel at his limited quarters and get frightened at the approach of strangers, you will find it necessary to spend some time in getting him trained to stand naturally, and to become accustomed to visitors. My plan with a wild bird is to feed sparingly but often, and all visitors who come, as well as different members of the family, approach him with some dainty bit of food of which he is fond. Two or three days of such treatment generally overcomes all disposition to shyness and the birds gets to enjoy the attention of visitors. In such cases care should be taken to feed freely at night all the bird will eat.

It is most important that your birds get this training, for without it the confinement in new coops, the noise of the show room and the attention of the show patrons will frighten them until they stand awkwardly, out of shape, and present anything but a high-bred appearance, and when in the judges' hands cannot receive its just score for shape. The day before shipping take your bird from the coop for a final inspection and the freshening touches. Look carefully for broken feathers, which should be removed. Then wash legs, feet and toes with warm water and a soft brush. If lines between scales on legs are filled with dust, remove with toothpick, but avoid scratching. Dry with cloth and **dry thoroughly**. Then apply with finger a small amount of vaseline or sweet oil, and spend some time in rubbing or polishing with flannel cloth until the bright natural color of feet and legs is brought out.

Wash next the face, wattles, beak and comb. Rub comb very gently, else it will present a raw appearance. Apply to it a little sweet oil and it will look bright, clean and of fine texture. Go over the entire body of the bird with a flannel cloth to remove dust. They are now as fit as you can make them. Feed, water and ship in all wood light shipping coops, with solid sides but slatted tops. Straw, chaff or sawdust should cover bottom of coop, and do not crowd the birds in shipping, else you may have wry tails and broken feathers. Neither should you place large and small birds in same coop, or birds that are strangers to each other. Coop together only those that have been raised together, and only show in the show room birds of agreeable dispositions in same exhibition coop. Where two or more are cooped together, one may be the controlling spirit, and dominate the others into a dejected, crestfallen, "hen-pecked" appearance.

Arriving at the show rooms, take birds from coop, and never catch a bird by legs in taking from coop. Carefully but firmly grasp it by the wing joint next to the body and draw it out head first. Look them over carefully to remove the dust of travel. Give comb, feet and legs a careful cleaning. Water and feed lightly and trust them to the mercy and wisdom of the poultry judge.

Do not feed too heavily until the judging is over, as an overfed specimen looks dull, sluggish and is lacking in that bright, active, snappy appearance that pleases a judge. Throughout the continuance of the show, water carefully, but feed only moderately, and of as great variety as you can get. At night, if the light burns all night, drop a curtain or newspaper over front of coop to exclude light.

Now a bit of experience in the matter of weight. "Won on weight" is a proverb of the show room, and Judge I. K. Felch says "you are beaten before the show opens if your entries are below weight."

Last winter I was fitting six head of young B. P. Rocks for a show and had them just about the weight limit, when a perfect epidemic of colds ran through the entire flock. The weather was damp, dismal and cloudy and the birds for days refused to eat and lost rapidly in weight. But the colds were treated successfully and with a change to better weather the birds improved and appetites returned. Corn, boiled milk, a rich mash and raw beef was fairly crowded down them. Pepsin and charcoal tablets were given them to prevent indigestion and bowel trouble. At the time of shipment they had made a decided gain, but were still below weight. Their ride of two hundred miles did them no harm, and in the morning of the opening show they were lively and hungry. They were given all the water they would drink, then mica grit was given, followed by corn, which they ate greedily. Their crops seemed full, but when a pound of raw beef, cut fine, was given them they ate it with a relish. This was heroic treatment but was justifiable, for a half hour later, when the clerk weighed them, the wisdom of such feeding was apparent. Four of the six went good full weight; one pullet was a quarter of a pound overweight and the cockerel almost a half pound. True, the cocks looked unshapely, but as the judge did not reach them for several hours after the weighing, the work of digestion reduced the crops and the birds seemed bright and lively. One pullet scored 94, another 93 and the whole lot went above 91.

Now as to after results. I write this for the benefit of certain people who persist in the statement that "show birds are pampered and do not make good breeders." The cockerel above mentioned went direct from the show room to the breeding yard and was mated to eight hens. Eggs from this hen hatched splendidly—the chicks were as healthy and strong as I ever raised—some of them now five months old are very promising candidates for blue ribbons. The 94 point pullet was mated to her sire and is the dam of an even dozen beautiful pullets that will equal, and some of them may exceed, her score. The entire lot is alive, healthy and have been good breeders.

In conclusion, a word in regard to the treatment of old stock. When the breeding season is over the entire lot is turned out and given free farm range. Their feed is somewhat reduced to induce "worm hunting" and "bug chasing." This exercise and reduction of grain feed brings about a decrease of flesh, but an increase of health. About August 1 they are put on a good feed, principally corn and sunflower seed. This puts on flesh rapidly, the old feathers drop out and a new dress of bright, strong colors come on quickly. During the month they are kept in the shade as

much as possible, for the hot August sun of this climate is damaging to the right colors of new feathers. Feed plenty of charcoal, but no milk, and only about one-half the animal food given to young, growing stock. The legs of old stock intended for the show room should be treated occasionally with a lotion of two parts kerosene, three parts lard, to which add a few drops carbolic acid. This keeps the legs smooth and clean. Otherwise treat old stock as you would young birds.

To recapitulate: Observe absolute cleanliness in feeding, yarding, cooping and housing, and handle your exhibition stock often until they feel at home in a coop before a crowd of admiring strangers. The secret of the whole matter, if there be any secrets in the matter, is to get your birds to present to the judge the shapely carriage you see so often in the yard. T. J. ROUNTREE.

Cleveland, Tenn.

Barred Rocks, 1904,

Michigan State Fair, 1st, 2d cks., 1st ck., 2d hen, Fenton, Mich., 5 lbs, 3 2ds, 3 3ds. Grand Rapids State Show, 1st ckl., 4th hen, 2d pen. Pontiac, Mich., 4 1sts, 3 2ds, 2 3ds, 3 4ths. Prize winners in breeding pens. Eggs in season. B. G. WESTFALL, Oak Grove, Mich.

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325 Dearborn St., Chicago, Ill.

A GOOD TIME TO BUY BREEDING STOCK.

Year-Old Hens Make the Best Breeders
—Stock Is Cheapest in Summer and Fall—Some Experiences of a Buyer and Seller of Stock.

Every poultry breeder is confronted at this season with the problem of handling the old stock in such manner that it shall keep up to its good condition and at the same time have the youngsters kept growing so they shall be in the best possible shape for the fall fairs and winter shows. How to meet these two pressing problems is an important question, and upon the wise answer to the question depends much of his good success with customers.

We have found in our experience that it is better to offer special inducements to early buyers to the end that the year-olds be moved off out of the way of the youngsters, hence have come to think it wise to advertise the year-old stock we have been breeding from at reduced prices during the summer, gaining thereby the advantages of more room for the youngsters and at the same time giving customers decided bargains. It is our experience that customers appreciate these special bargains, and we frequently receive letters asking when we will commence disposing of our breeders, the writers saying they want to take advantage of summer prices.

As buyers of stock to furnish new blood to our yards we frequently take advantage of the special opportunities there are in summer, and have found it decidedly to our advantage to buy them. It is well known that the strongest and best chickens are hatched from eggs from year-old hens, or hens that are at full maturity, and by mating such hens with early hatched and well-matured cockerels we get the best results in strength and vigor of the chicks. Mating an old cock with pullets gives good results, but less good, we think, than the mating of mature hens with good, vigorous cockerels; hence we advise buyers to secure their next year's breeding hens at an early date and get them well accustomed to their new home and conditions before winter; by doing so they start the season with decided advantages gained, and will find their reward in the stronger and better chickens they will get.

Because of their desire to close out most of this year's breeding stock before fall many breeders make it for the advantage of the buyers to order now by offering better birds at a set price, thus giving better value for the amount the buyer can afford to spend, or offering the birds at as much as 50 cents to \$1 a piece less than the price will be a few months later. There is a decided saving in buying stock now.

BUYERS SHOULD DESCRIBE WHAT THEY WANT.

We find in our own experience, and other poultrymen have told us they have the same difficulty, that prospective buyers do not state what they want; that is, they do not give the breeder an adequate idea of the quality of stock they think of buying. Two men will write that they want to buy a good cockerel, "kindly write description and price." Perhaps one wants simply a good breeding male, and would be well pleased with such a bird as we can sell him for \$3; the other

party, who writes in exactly the same way, wants a bird worth \$25 or even \$50, and is perfectly willing to pay the price, provided he gets the bird he wants.

How does the breeder know how to price stock to such inquirers? We may have 500 or 600 or 1,000 cockerels, worth from \$3 to \$25 (or more) a piece! surely if the intending buyer will give us an idea of how valuable a bird he wants we can please him. It is impossible for us to describe a large number of birds and give a good idea of each one, with a complete range of prices; if we could do so it would likely be confusing to the buyer. We cannot but feel, then, that if the intending buyer will give us an idea of about what priced bird he wants we can better suit him. And it is for our best interest that he be pleased; it is worse for us to have a dissatisfied customer than it is for the customer to be dissatisfied; hence we want to satisfy him every time!

DESCRIBE THE METHOD OF MATING.

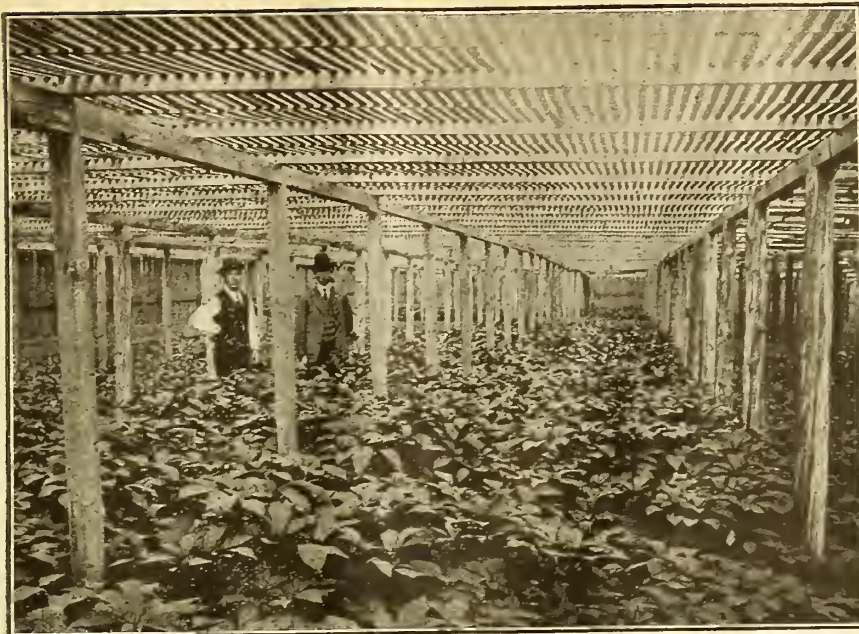
Another matter is the method of mating. Nine out of ten buyers that order Barred Rock male birds do not tell us whether they practice single or double mating, and we do not know whether they want a light bird or a dark one; a bird that will throw a greater number of well-marked pullets, or one that will strengthen the color-points of the cockerels. If they would be careful to tell us as to these matters we could more surely ship them the birds they want. Or if they would tell us what are the weak points in their own stock, the points they are most desirous to strengthen, we could select intelligently and be certain of helping the customer.

The buyer has to trust to the good judgment of the breeder to send him such a bird as he wants; hence it is no more than good business management to tell him, as nearly as possible, what he wants. The intending buyer should not hesitate to write what price he is willing to pay for such a bird as he feels that he wants, and then let the choice rest with the breeder. He can specify that he wants the privilege of returning the bird if not entirely satisfactory, and that, of course, should be his privilege within a reasonable time. A bird should have two or three days' time in which to rest and get back into his good form before the buyer decides as to his shortcomings, and even then it may be wisest to trust to the greater experience of the breeder than to one's own limited knowledge and experience.

The wise breeder is more concerned for the customer's interest than he is for the mere making of a sale. He wants pleased customers above all things; pleased customers are the best advertisement a breeder can have! It is for the customer's interest, then, to take heed to these things, to aid the breeder with the best description of the bird he wants, to the end that the breeder does his best to please him. In other words, the best interest of both breeder and customer are identical, and they should do their best to have all questions fully and clearly understood, then a mutually advantageous and satisfactory trade will be made.

CHAS. F. THOMPSON & Co.
Lynnfield Center, Mass.

Never omit to keep a record of the product of the poultry yards. A showing of what is done there is sure to make converts to poultry keeping.



Our illustration is a reproduction of a photograph taken June 20, 1904, showing the artificial shading arbor of a ginseng garden showing thousands of ginseng plants growing very luxuriantly near Wausau, Wis.

Ginseng is a plant, the root of which is used for medicinal purposes in China and also to some extent in this country. The plant was first discovered in America in 1716 near Montreal, Canada, and later also in the United States in the eastern and middle states. Ever since its discovery it has been gathered and exported to China with good profits to those who engaged in the business. At first only 35 cents per pound was paid for the roots, but today as much as \$7 per pound is being paid for the article.

With the clearing up of the country by the farmer the wild plant has become practically exterminated. The steady demand for the article and great increase in price has caused people of this country to take up the cultivation of ginseng by artificial means, and while at first with discouraging results, it has been recently demonstrated that it can be as easily raised as any of our common garden vegetables and with great profits.

Ginseng yields wonderfully to cultivation and it is also found that the cultivated article brings a much higher price, the plant is hardy and it will stand much more abuse by the inexperienced grower than had at first been anticipated. Frost will not affect it. One thing that it will not yield to, however, is cultivating it in the open. It must be provided with shade, either artificially, as shown by our illustration,

or it may also be planted in the forest under natural shade. Experience, however, has taught that artificial shade is preferable.

Ginseng is raised from seed or young roots transplanted. The latter way of starting a garden leads to much quicker results. If seed is planted, it takes from five to six years to mature a crop of ginseng. Gardens may be started in the spring of the year, but the best time is to start in the fall of the year—September and October—and the ground should be especially prepared some time previous to planting. Complete cultural directions are kept quite a secret by the experienced grower, but are usually furnished to customers with orders of roots and seeds.

The demand for the article seems much greater than the supply and, therefore, prices are steadily increasing. Our latest United States consul's report from China claims it is possible to market \$20,000,000 worth of these roots in China annually.

As to profits that can be expected the following is the result of the first experiment made by the owner of the garden shown in our illustration: Forty-five young roots, weighting $2\frac{1}{2}$ pounds, were planted. After four years of culture the roots were dug up, forty-four in number, one having decayed. The total green weight of the forty-four roots was twelve pounds and five ounces, or an average weight of four and one-half ounces each. After drying the total weight was four pounds and one ounce and were sold at \$10 per pound. The seed produced by these plants during the four years was 8,831, which were sold at from 1 cent to $1\frac{1}{2}$ cents each. The

ground covered by these roots was a bed 3x10 feet. With a little figuring one can easily tell what can be expected from a larger space of ground.

SALT YOUR POULTRY.

Roup is a dreaded disease that attacks the birds of all kinds in fall and spring, that sooner or later affects the whole flock and sometimes develops into canker, blindness, consumption, paralysis and disease from head to foot. Apparently roup may be cured, but if a male bird has it discard him for a breeder. His offspring will surely have symptoms at two weeks old or in a day or so after hatched, making small and poor layers, not paying for trouble and feed, and no matter whether you keep poultry for pleasure or profit, results are what you want. Salt that male, it makes no difference what he cost; get one that is guaranteed never to have had roup, and notice results of his chicks. Don't look for a prize winner and score card only, but a bird of vigorous health and vitality, and good layers will be his offspring.

"Salt that for prosperity."

To keep white birds from turning yellow feed salt in their mash; it will make their feathers white as snow. Dry salt will kill fowls; it must be fed in mash for results in digestion and roup and white feathers. I have lost males at shedding time that would develop some form of roup and hens that were valuable from scored and prize winners would go blind. They would look all right but would starve to death. Now say from years back the male had the roup handed down to him, and the germ was transmitted to all his chicks, when he should have been salted with the hatchet. Farmers become disgusted, and the man says: "Jane, take those chickens to market that are left." So they remain with disease to be consumed. It is a mean practice that could be stopped by salting the male. Have a healthy male in your breeding pen. I never have roup in my fowls now. I learned by close study where it could be prevented. I wanted best results. Sometimes my fowls have colds, but they are salted with a preventive of roup. An ounce of prevention is worth a pound of cure when diseased with roup.

MRS. M. B. WILLIAMS.

Salisbury, Mo.

Remember young chicks grow rapidly, and a brooder that was large enough two weeks ago may be altogether too small now. Crowding will stunt chicks very quickly.

A full egg basket is the same as a full sugar-box and tea-caddy.

Industry in the poultry yard is the true basis of the poultry industry.

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, standard qualities have not been neglected. They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Stock for sale. Eggs for Hatching \$2.00 per 15, \$3.75 per 30, \$5.00 per 45, \$10.00 per 100. From winners pen \$3.00 per 15, \$5.00 per 30. Illustrated circular free

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NOW IS THE TIME to begin making calculations on your poultry matters for the coming season. I am still in business with either birds or eggs of the **Rose Comb Brown Leghorns, Barred Plymouth Rocks and Buff Orpingtons and Silver Laced Wyandottes.** JAS. H. TROUGH, Minden, Neb.

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from good cock birds and year old hens. All good and only a few to spare.

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Dr. H. F. Ballard Chenoa, Ill.

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My breeding stock for sale at a bargain. Eggs reduced to \$2.00 per fifteen straight.

B. E. Johnson, Kirkwood, Mo.

White Wyandottes

Duston's breeding and exhibition birds of high quality, farm raised and bred in line from my prize winners. While they did not get any ribbons at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable price, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN,

Beardstown, Ill.

POULTRY ON A CITY LOT.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: I have been a subscriber to the AMERICAN POULTRY JOURNAL since September, 1905, and I have gotten many helpful suggestions from its pages, and am writing you in hopes that some of your readers may derive at least some little help from these few lines. Living in the city as I do, I have only room for a few birds. I only keep nine females and two males. I started out last year with prize winning birds, Chas. McClave as judge. I paid a good price for my chickens but have sold eggs at \$1.50 per setting of 13 eggs, with a few chicks hatched last year to more than pay for old birds, and still have the old ones with fifty-one chicks hatched this year. I notice so many complain of unfertile eggs or weak hatched chicks. Last year I had only one male and many unfertile eggs. This year I have two males. I let one male run with the females one week and one the next. The male who is to be confined I do not coop up but have a nice run for him. Out of five settings, fifty-seven eggs in all I got fifty-three strong healthy chicks. Under one hen I put 13 eggs, hatched 13 chicks, another 3 eggs hatched 3 chicks, another 11 eggs hatched 11 chicks, another 15 eggs 14 chicks, another 15 eggs 12 chicks. Have lost only two chicks and that was from drowning. I do all my cleaning and feeding myself, even help to build my coops and instead of finding it a worry and trouble it is a great pleasure. I think I have been very successful in raising my chickens, and I attribute my success entirely to perfect cleanliness and proper attention in every way. I have an incubator, but as I care to raise only a few chicks I prefer the hen to hatch my eggs. For my hens and chicks I have four runs 9x12 feet, surrounded and covered with poultry wire, so am not worried with my neighbors' cats carrying off my chicks. My coops are three feet high, three feet wide and six feet long, so as to give the little chicks room in rainy weather, for I never let them on the ground when it is wet. The floor stands one foot from the ground. The ends and sides of coops are weather-boarded to a little over half and finished over top and ends and sides with poultry wire. I lay tar paper over top at night and in rainy weather but take it off during the day so as the coops can thoroughly air and sun. About three or four days before the hen is to come off with chicks, I mix carbolie acid in white-wash and thoroughly whitewash my coops inside and out and cover the floor with clean, pure straw. I am not troubled with lice on my little chicks; however, I always keep a good lice powder on hand, and always dust the mother hen every week during setting, then again when the chicks are about ten days old. Another thing, I never set my hens where the other chickens can worry them. I have a small room, opening in a run where the setting hens are put. I never feed a setting hen anything but corn, but I always keep the corn and fresh water where they can get it any time they see fit. I do not neglect my old birds. I have their house white-washed once a month, and every two or three days have the floor cleaned and lime sprinkled over same. I think it is a mistaken idea that a chicken cannot be raised for a show room and a good layer combined, as I have heard several

say. I have only one pullet left that hatched late in the season last year (sold the rest I am sorry to say) from one of my prize hens. That pullet has laid from Mar. 18, 1905, to July 5, 1905, eighty eggs. I fed very little damp food; in fact I feed almost entirely dry food with plenty green stuff. Well, I must stop for fear of appearing greedy in taking up so much room, should you think this letter worth publishing. I write this thinking that there are others starting out in the poultry business who, like myself, would like to know how other beginners are doing.

It is a little late for a letter of this nature, I know, but as the old saying goes, "Forewarned, forearmed," so perhaps this will help some one for next hatching season.

MRS. E. L. GIFFORD.

Atlanta, Ga.

OAKWOOD JOTTINGS.

If you see a dead chick, when making your morning rounds, and suspect lice, examine the live ones. After a chick is dead a louse has no further use for it.

Scrape away, for an inch in depth or more, the polluted earth about and within the poultry houses; put it where it will help a crop along and supply its place with unpolluted soil or sand. Few things in poultry sanitation are more important than this.

At least twice a year, plow up the yards in which the hens run. Sow rye in the fall for the hens to pick at in winter and spring. Rape may be sown and corn and sunflower seeds planted after the late spring or early summer plowing. Plant pretty thick and thin out later where the hens haven't spared you the trouble.

Have as few places as possible where you can't get with a plow. You will find the movable fence, where it can be used, a great advantage. Take it down after the breeding season, roll it up, and place it to one side; then run your plow where it stood.

If you have never tried Essex rape for young chicks try it next year. For many weeks it continues to put forth a succession of tender leaves which are much relished by the chicks.

In April and May, it is a good plan to bury in the soil a part of the grain fed to laying hens, especially if the eggs are wanted for hatching. A hen that works for a living is apt to be the mother of healthy chicks.

About this time of the year you are apt to be disgusted by the brood coop. As you go your rounds at night to shut up the coops that all may be safe from fox, mink and weasel you will find the chicks on the grass in front of the coops. Crowded together within they would find it hot. Outside on the rapidly cooling grass they find comfort at least in the fore part of the night. Later a heavy dew may lead to discomfort and colds. Put them in or leave them out, which?

Early in June we put about one hundred incubator hatched White Leghorn chicks into a small building with five hens to care for them. This house, which is in part sided up by poultry netting, so that the air may circulate through it freely, was well cleaned out and its earth floor covered by clean sand. Up to this date the hens have been confined within the greater part of the time while the chicks through the daytime have been at liberty to go in and out. The air in

this building is purity itself compared with that in a small crowded brood coop and we have no other hen brooded chicks that are thriving so well as these. Before this is in type the hens will be removed and later the cockerels. The pullets will occupy this ideal summer residence until cold weather comes.

Do you know that you will have better success with an outside brooder if you put it inside? We put one in a building about nine feet square last year and when the chicks were so well grown that they began to perch upon the brooder it was removed and the more commodious building became their home. In stormy weather when the chicks were young they were permitted to leave the brooder but not the building. On fine days they were allowed to go outside. Our experience with these chicks so pleased us that this year we have brought every outside brooder inside.

ALVAN SMITH.

Marshall, Ill.

DUCKS IN SMALL RUNS.

The increased attention that is bestowed on poultry nowadays has caused ducks to be more in request. That they are to be considered as profitable stock has been proved over and over again by those who have given them a fair trial. In most places the price of duck eggs is higher than that for eggs of ordinary fowls, and as ducks will yield as many eggs in the year as most of the breeds of poultry that are celebrated for their productiveness, it is only

where they are badly managed that a good profit is not returned. They will do well even in small yards, provided young birds are kept, fed and managed judiciously. In a back yard in a populous neighborhood ducks, though they do not crow, like the much abused roosters are apt to make a good deal of noise prior to feeding time; but with this exception, they are in no way troublesome.

It is not advisable to keep ducks in the same enclosure with other fowls, as is sometimes attempted, as they have an unpleasant habit of dabbling their beaks in all the water they can find, making it muddy and dirty, as well as causing the ground to be damp and sloppy, and they frequently seriously ill-treat the hens. Half a dozen ducks can be comfortably lodged in a space of twenty feet by five feet. A good-sized washing tub will make an excellent pond, the water in which should be changed two or three times a week and the birds will remain fairly clean. A small house, ventilated at the top, the floor covered with dry straw, often changed, and on which the ducks will sleep of a night, will complete all necessities. The wire round the enclosure need not be more than three feet high, as the birds will not be likely to fly. They must be shut up in the house during the night, otherwise they will probably lay in the water or anywhere about the run, where the eggs may get broken.

Young ducks will lay better than old

ones, and will, under proper conditions, lay at a time of the year when eggs are most valuable. The stock should, therefore, consist of ducks, hatched about March, and not more than eighteen months old. They must not be overfed. In the summer they should have oats or wheat given them in water, morning and evening, just as much as they will eat eagerly. Some sand or grit should always be thrown into the water in which the grain is placed. They must have plenty of green food, cut grass or chopped cabbage or lettuce leaves, but do not allow it to lie about the run and rot. In October, when the nights and early mornings are beginning to get cold, the feed of grain for breakfast should be stopped and meal and middlings mixed stiffly with hot water be given instead.

As regards breeds of ducks to keep the Pekin will perhaps be found to have no superior, although white ducks in a small run are usually dirty looking. The Rouen is a handsome duck, but does not lay as well as some breeds crossed with the Aylesbury especially if the drake is a Rouen. The young birds will be mostly dark; and these make excellent ducks for confinement. A duck that suits well is the Cayuga, a large black duck that is very hardy and lays a great number of eggs.

A. V. MEERSCH.

Poughkeepsie, N. Y.

Keep cool, fresh water within reach of the chicks at all times.

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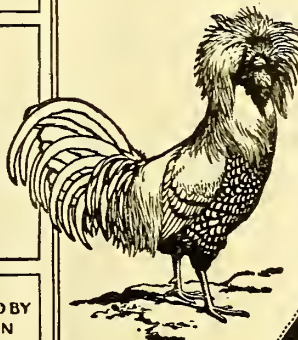
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Attacks stopped permanently. Health completely restored. No return of symptoms after treatment ceases. Throw away "Reliefs." Be cured in the right way. Good appetite, sleep well, do anything, go anywhere 58,000 patients. BOOK 58¢ FREE.

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Bill Thompson's Brooder

He calls it **THE BUSY BEE**. It's the only real, low down brooder made. It has no legs, no platform no run-way. Price only \$3.

BUSY BEE INCUBATOR It's the most successful small hatcher sold at a small price ever placed on the market. Holds 65 eggs, price only \$3.00. Catalogue free.

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**HOOSIER INCUBATORS AND BROODERS**

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Columbia City, Ind.

CYCLONE STRAIN BLACK LANGSHANS

EGGS \$2.00 per setting, two settings for \$3.00. Stock for sale at all times.

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TO every subscriber to **White's Class Advertising** I will undertake to advise regarding the preparation, execution, and the best methods of handling newspaper advertising in all class lines that have to do with Agriculture. If you need a catalogue, booklet, a design, illustration, mailing card, art or editorial work relating to your advertising, I will give advice free. Send 10 cents stamps or silver, for sample copy **White's Class Advertising**—better than an Advertising College Course. Address

FRANK B. WHITE

Counselor at Advertising
"At It Seventeen Years"

900 Caxton Bldg. Chicago, Ill.

OXYGEN—AN EXPERIMENT.

Some years ago, when I was much younger and considerably greener than I am now, I began to keep chickens and found that I had in the fall and winter a large number of sick birds on my hands. Like any greenhorn I began to buy medicines and to give my flock all the doses in the catalogue. I got to be quite an expert at the business of drugs and my hands were full all the time. The "very old boy" seemed to be in the flock. It was snuffle and rattle all night long. Swelled heads, watery eyes, gurgling throats and white patched mouths kept me busy all the time.

Later, I got wise and used the hatchet. That reduced my drug bill and incidentally reduced my flock.

The following season I "pitched physics to the dogs," as the poet says, and confined myself to peroxide of hydrogen and listerine. (And my old friend the hatchet.) If the peroxide and listerine did not fetch them, the hatchet did.

Not very long after that I began to get wise. I made up my mind that what birds needed was fresh air—oxygen, in short—and I determined that those birds should keep well or die on their roosts frozen stiff. During the fall I kept the windows open at night. Of course I had it arranged that there should be no draft on them, but the fresh air was there in wholesome abundance all right every night. In the early winter, I closed the windows at night, but I had cracks in the house so that one could stick a knife blade through. When it got decidedly cold, I put up burlap curtains in front of the roosts (which were close to the low roof), but I did not close the cracks. During January and February I doubled the burlap curtains, but left the cracks as before. The water in the fountains froze solid every night. A few of the birds had their combs nipped.

But how about the roup and snuffles and beery eyes and rattling throats? Nary a one! Birds in fighting trim all the while and never a sick one. I made this valuable discovery three years ago and have pursued this policy ever since. Have forgotten what roup looks like.

How do I explain it? Simply because oxygen is the life giving constituent of the air and that all animals must have oxygen in abundance; and, when they have it in sufficient quantity they are bound to flourish, other things being equal. The "other things" are sunlight and constitution. Sunlight is easily obtained and constitution is the result of reasonable care and a rigorous elimination of weak and feeble ones.

Experience has taught me that sunlight is very beneficial to fowls in winter. In my coops I always arrange that the low winter sun shall sweep the entire floor and the roosting places every sunny day. This is the best germ-destroyer known. At the same time it imparts vitality to the fowls to be able to sit in the sun.

It is said that the ablest scientist is unable to explain scientifically just how a plant grows—what there is in the sunlight that produces growth. The same applies to the growth of animals. But there is absolutely no question that the two prime necessities for growth in

both the animal and vegetable kingdoms are sunlight and oxygen.

These are very simple things and everybody knows them; yet I will venture the assertion that not one fancier out of ten (professionals excepted), fully appreciates the value of fresh air and sunshine in poultry keeping. It cost me a good deal to learn these simple elementary facts, and I guess the rest of us that really know, have had similar experience. There are lots of us that don't know it yet. Hence this article.

E. L. C. MORSE.

THE NECESSITY OF GOOD READING.

Why is it that so many poultry fanciers try to succeed in the poultry business without the aid of a good poultry paper? I now can see why so many of them have their "ups and downs." There is no excuse for any one of them, that is for those who do not have their names on the subscription roll in the office of some reliable publishing house such as the American Poultry Journal Publishing Co., who without a doubt has the finest poultry journal that ever left the press. It is the cheapest for the size, having 100 pages filled with nature's subjects, written by honest, reliable and educated men who have succeeded in the poultry world and now stand the highest among men of their class.

The paper is now celebrating its thirty-fifth anniversary. Just think of it! Thirty-five years, so you can see that they have gained the popularity of the people, who have succeeded by its aid.

There is a vast multitude of poultry fanciers upon this globe which will try to make this occupation the "greatest of ages," with the aid of a good poultry paper.

There are schools of poultry culture, specialty clubs, etc., which every man and woman interested should take a course in or join the specialty club—that is, those who have not attained the highest mark.

There are also poultry books, hundreds of them, written by educated authors who have obtained their education through the schools and specialty clubs and reading good poultry papers. Being a great fancier of poultry and agent for the American Poultry Journal on some of my routes, I will ask him how he succeeded with his poultry last year. He says: "Don't mention chickens to me! I had the worst kind of success last year. Last fall my fowls got to sneezing, had swelled hears and would soon die."

"Where did they roost?"

"Out on trees and on the spring house and here and there."

Then I asked him what poultry journal he takes and he says "None." Well my goodness, friend, here is a chance of a lifetime. Let me take your name down for a subscription to the American Poultry Journal for 1, 2 or 3 years, which will put an end to your bad luck and which will help you to procure a profitable flock of chickens." "Well, I'll take it for three years at that price, for I wish to succeed." So I pass by and come to the next farm house, meet Mr. Farmer in the best of humor.

"Well, my friend, how is the poultry?"

"Fine and frisky."
 "Mr. Friend, do you take any poultry papers?"
 "To be sure."
 "Did you ever take the American Poultry Journal?"
 "No, I never did."
 "Well, then you had better subscribe now and succeed more and more with your fine flock of fowls."
 "Well, I'll take it for one year. I'll never miss the money."
 So any one can see just why it is there are so many failures. If we wish to make the new year a hummer we had better all subscribe for the American Poultry Journal.
 J. A. Moore.
 Dawson, Pa.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—In reply to your favor of June 2, 1905, we beg leave to report we breed only Single Comb White Minorcas, and use incubators exclusively for hatching.

Some of the eggs used were purchased at \$5 per setting, from which in three settings we got three puny chicks.

Total number of eggs used were 1240 in 4 hatches, and total number of healthy chicks hatched were 540.

On March 15th we put 180 eggs in our incubator and hatched 46 chickens. Our second hatch commenced April 6 with 353 eggs, from which 166 chicks were obtained. The third hatch was put in the incubator April 29th, from which we got 169 chicks. The fourth hatch commenced May 30th and 160 chicks were hatched out June 20th.

Most of the first chicks developed weak legs in two weeks and some became so weak that they had to use their wings for locomotion. Half of those died. The other half grew strong and well, as soon as the weather permitted their getting out doors.

Total number of chicks on hand June 20th was 460. Our chicks were unusually strong this season when hatched. No cripples.

We kept about 40 new chicks in each bunch. They were allowed their freedom in closed runs without grass, but were thus protected from our own or our neighbors' cats. By a liberal use of fine meshed wire, they were protected from rats or other vermin. We have not seen any lice. Six chicks were smothered by bunching up in a corner one night.

When one lot of chicks make up their mind to bunch in a corner, it is exceedingly difficult to break them of the habit. To break up this habit we scatter them among the other bunches. Still farther, to prevent their bunching in a corner, we set in each corner a broad triangular board pointed at the upper extremity. The board is a foot wide at the bottom and runs to a point at the top. This board slants up to the corner so as to prevent chicks from getting in behind the corner boards.

We have small coops with long covered runs for our new chicks. In each coop we hang a Suspension Brooder. The little chicks huddle under this brooder as under a mother hen, with their little heads sticking out. For air and convenience our coops and runs are 6 feet high. We take special pains to keep our coops clean and well ventilated and comfortably warm. A portion of their runs are dug up daily for worms and scratching purposes.

We use chaff or dust for litter while the chicks are small. In this litter we

scatter their feed.

They are fed in the litter Gibson's natural chick feed, mixed with an equal quantity of coarse steel cut oatmeal half and half.

They get twice daily ground beets in little glass cups. Twice a week they get ground meat and bones. Fresh water in clean vessels twice daily. Before them all the time in small glass cups is kept a mixture of equal parts of bran and middlings 1-20th part beef scraps and 1-20th part of chick grit.

Also before them all the time in separate small glass cups, is fine lumps of charcoal, chick grit and fine, hard coal cinders.

S. A. McWILLIAMS, M.D.

RIGHT TO THE POINT.

In the accompanying letter from Judge Finley, which we copy by permission, no

attempt at amplification of the facts regarding the good qualities of Chamberlain's Perfect Chick Feed has been made, its author confining himself to plain statements, but coming from a breeder so widely and favorably known, this short letter should go a long ways in convincing all who have not used Chamberlain's Perfect Feeds of their incomparable merits:

"Office of Eastern Importing & Breeding Co.

"Macon, Mo., April 26, 1905.

"Mr. W. F. Chamberlain, S. Louis, Mo.

"Dear Sir: Please send me my usual order of your Chick Feed by early freight; am most out and might as well be without chicks as without your Feed. Your Perfect Feeds are, sure enough, in a class by themselves. Sincerely yours,
 "R. J. FINLEY, Mngr. and Treas."

Shade for young chicks is very essential this month.

SOME RARE BARGAINS

As we need the room for the thousands of young Wyandottes growing up I will offer at **Bargain Prices** for quick sales some FIVE HUNDRED line-bred selected breeders, high-class exhibition birds and choice utility fowls. To make sure you get the best blood obtainable place your order with

JONES, THE WYANDOTTE MAN

SILVER, GOLDEN and WHITE WYANDOTTES, G. S. and S. S. BANTAMS, winners at all the leading shows of the world, including the bulk of the ribbons at the last Chicago Show. All the birds offered in this sale are line-bred stock and from our breeding pens. Send for my 36-page catalogue and Bargain list, a book worthy a place in any library; handsomely illustrated in colors, mailed on receipt of 4 cents in stamps for mailing.

EGGS FOR HATCHING \$3 per 13, \$5 per 26

Six grand litters of Scotch Collie Puppies, fashionably bred, for sale at reasonable prices, quality considered.

R. E. JONES, "The Pines,"

R. F. D. 5, Paducah, Ky.

MAKE YOUR POULTRY PAY.

It will not if you do not keep the lice down and feed a good wholesome, balanced ration. Our Triumph Lice Remedies and Poultry Foods will make it easy sailing. Write today for circulars.

ELMDALE FARM, C. L. DUFFIELD, Prop.

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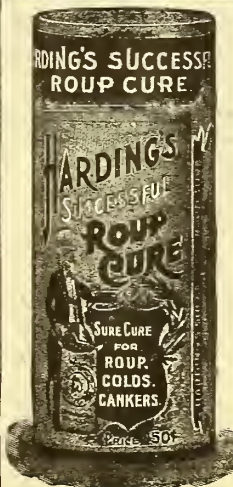


SHAW'S CONVENIENT LEG BAND

pleases everybody. You'd discard any other marker made and use it if you saw it. Send for free sample.

It Snaps On. It stays; it's aluminum; it has large raised figures; it's easy to read. Prices: 12 bands, 20c; 30 for 45c; 60 for 75c; 100 for \$1.00. I'll send you letters from poultrymen who know, with samples if you ask it.

H. O. SHAW, Box 103, GRINNELL, IOWA.



HARDING'S EGG-BUILDER RATION

Made of Beef Scraps, Granulated Grains, Seeds, Charcoal, etc. Fed dry. Always ready. Designed to force half-grown chicks and feed laying hens.
 100 pound Bag \$2.25. 50 pound Bag \$1.25. F.o.b. Binghamton, N.Y.

HARDING'S EGG PRODUCER

25 cents; express added

SUCCESSFUL ROUP CURE

50 cents post paid

POSITIVE CHOLERA CURE

25 cents; by mail 40 cents

ANTISEPTIC LICE KILLER

25 cents; by mail 40 cents

HEAD LICE OINTMENT

25 cents post paid

Write for information regarding Granulated Milk for poultry and for free booklet, "How to Feed and Care for Little Chicks."

Geo. L. Harding, Box 333

Binghamton, N. Y.

Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

THE CINCINNATI SHOW.

Secretary Foy Tells Something of What the Management Will Do in the Way of Caring for the Exhibits—Cincinnati Kennel Club Will Hold Show in Connection—The Good Work Already Done by the Association.

Things are moving down in Cincinnati. The officers of the Cincinnati Poultry & Pet Stock Association, which will entertain the American Poultry Association for the week of Jan. 15-20, are "settin' up nights," preparing to make good the promise that the forthcoming show will be one of the most important exhibits of the season. The management proposes to make it to the advantage of every breeder and fancier to patronize this show—intends to put a premium on the financial value of a winning at Cincinnati.

Regarding the past efforts of the association and its purposes for the future Secretary Foy says:

"The Cincinnati Poultry & Pet Stock Association was organized in December, 1898, and the first show was given in January, 1899. A show has been given each year since and all have been successful financially and from a fancier's standpoint. The net proceeds of our last show were given to the charitable institutions of Cincinnati by vote of ticket purchasers, the five receiving the highest number of votes being awarded a share in proportion to their vote. For

the last three years we have had a large dog show in connection with our poultry,



THOS. J. FOY, SECRETARY.

and in 1902 and 1903 we had cats and hares as well. We now have a member-

ship of one hundred and fifty and it is growing rapidly. The present officers were elected at our last annual meeting and, with the exception of myself, have been actively connected with the association since its organization. Mr. Brooks was secretary from 1900 to our last meeting, when he was elected president. This is my first active connection with the association, although I have been breeding S. C. W. Leghorns for the past four years. Since the organization of our association the improvement in the character of the poultry raised in this section has been very noticeable. Instead of the mixed and re-mixed stock that the farmers formerly allowed to roost in the trees, we have dozens of well bred flocks of the standard varieties, well housed and cared for and producing as only a good flock will. It would be a bad mistake for any of the eastern or western breeders to come here, expecting to have a walkover, as the quality of the birds in our last two or three shows was very high. Our premium list is as liberal as any show in the country and for our next show we are promised as fine a lot of cups and specials as were ever offered at any western show. In connection with our next show, the Cincinnati Kennel Club, an allied organization, will hold a big dog show, under the A. K. C. rules, and we look for the biggest show of dogs ever held here. Our shows are all held in Music Hall building, the largest building for public entertainments in Cincinnati. The halls we occupy will hold 2,000 birds and 500 dogs and additional space can be used if it is necessary."

Our judges so far chosen are Theo Hewes, Thos. F. Rigg and F. C. Shepard. Other judges will be engaged.

NEWCOMERTOWN, OHIO.

The fourth annual exhibition of the Tuscarawas County Poultry Association will be held at Newcomertown, Ohio, January 10-13, 1906. Theo. Hewes, judge; F. D. Mulvan, secretary.

HUDSON, MICH.

The annual exhibition of the Southern Michigan Poultry and Game Fanciers' Association will be held January 31 to February 3, 1906. Jas. A. Tucker, J. W. Mulinix and H. A. Boies, judges. H. A. Boies, secretary, Hudson, Mich.

HOLYOKE, MASS.

The Holyoke Poultry and Pet Stock Association will hold their first score card show November 22 to 25, inclusive, 1905, and have engaged the following judges: Messrs. Felch, Ballou, Shove, Pierce and Crangle. All communications should be addressed to Geo. Barnett, Jr., secretary, 115 South street, Holyoke, Mass.

ELWOOD, IND.

The Elwood Poultry and Pet Stock Association will hold their third annual show Dec. 11-18, 1905. S. B. Lane has been secured to do the judging. S. W. Swihart, secretary.

FAYETTE, MO.

The next annual exhibition of the Missouri State Poultry Association will be held Dec. 12 to 16, 1905. The place of meeting will be selected at a meeting of

BEGIN PLANNING FOR THE FALL SHOWS.

Eggs from our prize winning birds, (1628 prizes won by us last fall) will hatch other prize winners. We sell eggs and stock of guaranteed purity at lower prices than others. We can please you. Send five two cent stamps for our practical poultry book and get our special prices for limited time only. Address carefully

F. W. NEISMAN CO. Box 40, Freeport, Ill.
(No Connection with any other Establishment.)



SMITH'S S.C. White LEGHORNS

None better anywhere for exhibition or laying purposes. To make room for young stock will sell this season's breeders at bargain prices. 300 hens and several choice cocks. Here's a chance to secure fine breeding birds at much less than actual value. Young stock soon ready for shipment. Write your wants. **S. E. SMITH, BOX 101, NORWICH, N. Y.**

Winners at
NEW YORK
ST. LOUIS

I SAVED \$15 ON 100 RODS

buying Advance Fence.—Johe Nierste, Westphalia, Ind.

You can save just what the fence dealer in your town would make if you bought your fence of him. It is a large item. If you love the fence dealer more than you do yourself, put your money in his till.



Advance Fence is sold only by the maker direct to you on 30 days FREE trial at wholesale prices, freight prepaid.

Advance Fence is scientifically constructed. It is made of best galvanized steel wire throughout. The top and bottom strands are double strength. The stay wire is continuous being twisted with the selvage from one stay to the next and wrapped twice around each line wire as it passes across the fence. The slight orrimp at the intersection of the stay with the strand wire prevents the stay from slipping and also provides for expansion and contraction. It is the simplest fence on the market, easily put up, durable and dressy. Made in 26 STYLES for all Farm, Poultry, Stock and Park purposes. Send today for Free Fence Book and Wholesale prices.
ADVANCE FENCE CO., 1355 Old Street, PEORIA, ILLINOIS

the executive committee in Sedalia, Mo., during the State Fair, Aug. 21-26, 1905. It is earnestly urged that every breeder of pure fowls in Missouri become a member of the Association by sending \$1.00 to the secretary at once. To be entitled to a vote at the next meeting members must have paid their \$1.00 at least 60 days previous to the annual show. This also insures their name and the varieties they breed printed in the catalog and premium list. The judges of the show are Theodore Hewes, Indianapolis, Ind., C. H. Rhodes, Topeka, Kans., and C. A. Emry, Carthage, Mo. These judges should insure a large show. H. P. Mason, secretary.

MOSQUITOES.

By S. A. McWILLIAMS, M. D.

Perhaps it is not generally known that many farmers have large incubators on their farms where they hatch immense numbers of mosquitoes' eggs. The time for hatching them is just after they quit hatching chicken eggs. July, August and September is the season.

There are several varieties of mosquitoes, just as there are several varieties of chickens. Their eggs can be hatched in any still water, anywhere. A rain water cistern is a good place, so is water left standing for some time in a barrel or ditch, in a pail or can, a swamp or marsh.

One species of mosquitoes lays their eggs on their sides singly, while another lays them by the hundred and glues them together in the shape of a boat. They are glued together and rest on their ends.

There are four stages in the life of a mosquito. The egg, the larva, the pupa and the imago or winged insect.

The first part of a mosquito's life (like a frog's) is spent in the water.

The eggs hatch in one or two days and are then called larvæ. They remain in the larval stage six or more days, when they gradually reach the pupa stage, in which they remain two or three days before their wings grow sufficiently to fly away as full grown mosquitoes to suck the blood and carry disease wherever they go—to man, beast or bird.

It is not generally known that if there were no mosquitoes there would be no malarial fever and ague chills. If there

were no mosquitoes there would be no yellow fever.

That species of mosquitoes called Anophelina carries the malarial poisons from one person to another.

That species of mosquito known as the stegomyia fasciata carries the yellow fever germ from one person to another.

That species of mosquito known as the culex, as well as the anophelina, carries from one person to another the disease known as filariasis.

Most people think a fly is a fly, and that there is no difference between a horse fly and a house fly. The house fly never stings. It has only a soft rubber mouth for sucking up particles of food, while the horse fly has a sharp pointed lance concealed within his proboscis by which he pierces the skin and then sucks the blood. Witness the agony of animals and the blood flowing from the wounds inflicted by the horse fly.

That species of a mosquito called the Anophelina sucks the blood at night from a malarial fever patient. The germs of the disease grow and develop in the mosquito, so that at the end of one or two weeks it becomes sufficiently virulent and poisonous to infect a susceptible person when bitten.

When a person is bitten by a mad dog, it takes some time for the germ to grow and become sufficiently virulent to cause hydrophobia.

When a boy on the fourth of July has lacerated his finger with a toy pistol, it takes some days for the germs of the disease to grow and multiply sufficiently to cause lockjaw.

It takes about two weeks for a person susceptible to malarial disease, who has been bitten by a malarial poisoned mosquito to develop the fever and ague chills.

Mosquitoes, infected in Italy, with the malarial germs, have been sent to London, England, and allowed to bite susceptible persons, who two weeks after being bitten were taken down with malarial chills and fever.

Another species of mosquito called the Stegomyia fasciata carries the poison from one yellow fever patient to another.

This mosquito must suck the blood of a yellow fever patient within the first three days of his illness, or it will produce no effect.

The infected yellow fever mosquito is no longer dangerous after 12 days from the time he last bit a yellow fever patient.

Farmers could easily get rid of mosquitoes by allowing no standing water to remain anywhere. All cisterns and vessels containing water should be thoroughly protected by mosquito netting. All marshes and stagnant pools should be drained, or where this cannot be done crude petroleum or kerosene should be poured over the water. This will kill both the mosquitoes and their young. Mosquitoes can be driven from the house by burning jimson weed mixed with salt-peter.

The larvæ of the anophelina mosquito can be seen resting in a horizontal position at the surface of the water, while other species rest in an oblique position, head downward, at the surface.

When disturbed the larvæ can be seen wriggling down through the water.

It is reported that the medical books of Ceylon, in the sixth century, describe 67 varieties of mosquitoes and 424 kinds of malarial fever caused by mosquitoes.

ORR'S WYANDOTTES ORPINGTONS

All the Standard Varieties of Both Breeds.

Birds, old or young, \$2 each, \$5 per trio.

Orr's Lice Killer is Best, \$1 per gal.

T. E. ORR Box 807, Beaver, Pa.

WHITMAN'S S. C. BUFF LEGHORNS

Won again at the Northern Ill. Poultry Show. My 1st prize cock bird Judge Holden pronounced "a bird among a thousand." EGGS reasonable prices.

R. T. WHITMAN, R. R. 1, Belvidere, Ill.

Eggs--Hahne's Lt. Brahmas--Eggs

EGGS \$3 for 13, \$5 for 25. For incubator eggs \$10 per 100. Send for beautiful illustrated catalogue free. FRED HAHNE 517 Webster City, Iowa

Mrs. Hill's W. Langshans

won more premiums at World's Fair, St. Louis, Mo., than all the other White Langshan breeders combined. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight.

Mrs. J. S. Hill Purdin, Mo.

Premium Stock Poultry Yards

Fertile EGGS 15 for \$1

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

A. STARZINGER, Prop. Carbondale, Ill.

High-Class Light Brahmas Only

Do you want EGGS for hatching from Light Brahmas with nice pea combs, large frames, broad backs, standard wings, solid black center in hackles, heavy feathering and nicely laced tail coverts, at \$3 per 15, \$5 per 30, or \$6 per 45. Also a few choice youngsters at prices that are right. Satisfaction guaranteed. No catalogue. Write to

HY. J. BARNETT, Box 4, Winamac, Indiana

WHITE ROCKS WYANDOTTES	Hawkins and Jefferson
WHITE INDIAN GAMES	Bicknell
BUFF ORPINGTONS	Cooks
ROCKS	Shaws

Here's what you are looking for something good at a very low price. The direct progeny of New York and Chicago winners. Eggs \$1.00 per 15, \$6.00 per 100.

C. L. McFERRIN, BELLVILLE, O

IWAN'S

POST HOLE AND WELL AUGER

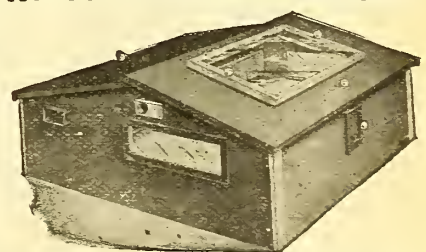
Best earth auger in the world. For Fence and Telephone Post Holes, Wells, Prospecting, etc. Thrice the work accomplished with an Iwan Auger than with any other. Two crucible steel blades, each with two scientifically formed cutting edges, and riveted to strong malleable arch, form the bowl of auger. No suction when removed from hole. Nothing to lift but the auger and the dirt. Fills quickly; empties easily; very durable.

Inquire of Hardware or Implement dealer, or write for full particulars of Angers, Hay Knives, Ditching Tools, etc.

IWAN BROS., Dept. No. 5, Streator, Ill.

Sizes, 3, 4, 5, 6, 7, 8, 9 and 10 inch. \$2.50 each; 12 inch, \$6; 14 inch, \$7.50. Sample at special price to introduce.

Rouses' Perfection Brooder



Price, \$7.50. Catalogue free. Simple, convenient, practical. W. L. Rouse, Manufacturer, 157 La Salle St., Chicago, Ill. Chicago Poultry Supply House Distributor, 647 Lakeside Bldg., Chicago, Ill.

KILL POULTRY LICE

the easy and sure way. Proven by the experience of thousands. Try them yourself.

Darling's Liquid, quart, 35c; 1/2 gal. 60c; 1 gal. \$1.00. Darling's Powder, 16 oz. box 25c, 48 oz. box 50c, f. o. b. Chicago. Darling's Grits and Foods are world favorites. Oyster Shells, 60c; Mica Crystal Grit, 65c; Beef Scraps, \$2.25; Beef Meal, \$1.80; Granulated Bone, \$2.00; Laying Food, \$2.25; Chick Feed, \$2.50. Full 100 lb. bags, f. o. b. Chicago. Cash with order. Get our free Supply Catalog for up-to-date appliances.

Darling & Company, Dept. C, Union Stock Yards, Chicago.

Davis' Poultry Punch

Nickel-plated, neat, weighs half an ounce. Cuts two sizes. Price 25c postpaid.

Leg Bands

Smith Sealed prevents fraud at shows. Note large numbers—never duplicated. Prices—12, 30c; 25, 50c; 50, \$1.00; 100, \$1.50.

Climax, light, easy to fasten, secure as a padlock. Sizes to fit any bird. Prices—12, 20c; 25, 35c; 50, 60c; 100, \$1. Send stamp for sample bands and booklet.

The Keyes-Davis Co., Ltd., Department B, Battle Creek, Mich.

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S CUT PRICES TO CLOSE SEASON—STOCK AND EGGS.
ORPINGTONS—Single Comb. Catalog
LEGHORN—Rose Comb. Free
WYANDOTTES—IND. RUN. DUCKS.
A. E. GREEN Co. Morgan Park, Ill.

AUTOCRATS OF SHOW ROOM AND UTILITY...

Black Minorcas—W. P. Rocks

Make a sweeping win at late New York Madison Square Garden Show. Four 1sts, two 2ds, including 1st and 2d pens on Minorcas and four 1sts, including 1st pen on Rocks. Grand total eight 1sts and one 2d out of possible 10 1sts in largest and strongest classes each variety ever shown in Garden. Grand chicks and pullets hatched direct from the winners after September.

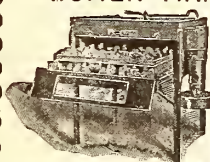
Greystone Poultry Farm, Yonkers, N. Y.

All My Breeding Stock

For Sale at bargain prices. This is your chance to get No. 1 birds at cost. R. I. Reds, White Wyandottes, B. P. Rocks.

M. E. WURTS 372 Pearl St., Cleveland, Ohio

WOMEN MAKE MONEY



hatching chickens with the Gem Incubator, that low-priced, high-grade, absolutely-reliable, up-to-date hatcher. Sure profits. Now is the time to prepare for the early hatching season. Write to-day for a beautiful catalogue FREE. **GEM INCUBATOR CO. Box 1, Dayton, Ohio**

MATSON'S IMPROVED EGG RECORDER

(PATENT APPLIED FOR)

Can be attached to any nest, automatic, shows which hens lay the eggs. Sample, postpaid, 25 cents.

Chas. I. Matson, 839 Austin Ave., Chicago, Ill.

THE IMPROVED CHAMPION LEG BAND



Aluminum or copper, two sizes, adjustable to fit any fowl. Held by double lock. They can't lose off. Initials, 10 cents per 100 extra. Also Pigeon Bands.



THE SUPERIOR

is securely locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind. No. to suit, 12, 15c; 25, 30c; 50, 50c; 100, 80c. Sample for stamp. Circular free.

T. CADWALLADER, Box 502, Salem, Ohio.

Select Your Pullets

Sort your pullets into groups of good and poor layers and select cockerels that will produce the greatest egg-laying strains. You can do it by the **WALTER HOGAN SYSTEM** without fail. Others have. Read what they say:

H. S. Fletcher, Watertown, S. D., member State Board of Agriculture writes: "I have worked it on three different flocks. The first pen in all three cases furnished over 80 per cent more eggs than the second pen. The system is all right."

Chas. Reister, New Albany, Ind.—"I believe your system is all you claim."

W. H. MacNeal, Parkersburg, Pa.—"I am satisfied there is value in the system."

J. H. Hintermister, Jr., St. Paul, Minn.—"I think that one can determine which are good or poor layers by your system."

Sister Gertrude, Maywood, Ill.—"I see it is all you claim for it."

Hon. O. C. Gregg, Supt. of State Farmers' Institutes, St. Paul, Minn.—"I regard it as one of the greatest of additions to the knowledge of the poultry world."

You can test it 60 days; money back if we don't "make good." Full particulars free.

Walter Hogan Co., 17 Natl. Bank Bldg., Fergus Falls, Minn.

NATIONAL WHITE WYANDOTTE CLUB.

The National White Wyandotte Club has prepared a list of \$100.00 in cash specials to be offered members at the poultry show to be held in connection with the Lewis and Clark Exposition at Portland, Oregon, the first of October. Ross C. H. Hallock, secretary, St. Louis, Mo.

AMERICAN WHITE PLYMOUTH ROCK CLUB.

The American White Plymouth Rock Club is pleased to announce that it will renew the liberal offer made to poultry associations last year; namely, fine handsome silk ribbons and a year's free membership in the club. All associations wishing to avail themselves of this offer should notify the secretary at an early date as the specials for all shows will be ordered at one time and associations applying later cannot be accommodated. The club is willing and glad to deal generously with all poultry organizations, so apply early.

We still have a limited number of our club catalogues on hand which we will send to all who apply as long as they last. If you are interested in White Plymouth Rocks or want to know about them, don't fail to get this beautifully illustrated book free. Application blanks and information will be furnished on your request to the secretary and treasurer.

SETH W. GREGORY, Delavan, Wis.

FREE SAMPLE OF READY ROOFING.

Leaky roofs spoil thousands of dollars' worth of products annually, and are a constant source of worry and annoyance. There is little cause for this if a good roofing is used—one that is really proof against all kinds of weather. This is what the manufacturers of **AMATITE** roofing claim for their product. This roofing comes in rolls ready to lay and any one can put it on the roof. With each roll they send free enough cement and nails to finish the job. They offer to every reader of this paper a free sample and booklet telling all about it if they write at once. Address the Barrett Manufacturing Company at any of the following offices: New York, Chicago, Allegheny, Kansas City, Cincinnati, Philadelphia, Cleveland, Minneapolis, New Orleans, St. Louis.

TRAINING COLTS.

Perhaps you have trained colts with great success for twenty years. Do you think a Chicago bookkeeper can do it as well as you can? Probably not. The man who is most successful in any kind of work is usually the man who makes a specialty of that particular thing. In the matter of shaving soap, the J. B. Williams Co., Glastonbury, Conn., have made a specialty for nearly three-quarters of a century, and naturally understand making shaving soap better than anyone else in the world. Common laundry or toilet soaps are not fit for shaving purposes. They make the face sore and irritated. If you want to try the "only soap fit for the face," write the J. B. Williams Co., Glastonbury, Conn., for a free sample. Their offer appears in another column.

J. C. Fishel & Son, Hope, Ind., the White Wyandotte specialists, are offering some great bargains in breeding stock. This is an excellent opportunity for those who are anxious to improve the breeding qualities of their flock. These special sales occur but once a year and are made simply to reduce their stock, thus giving them more room for their growing chicks, of which they have an exceptionally fine lot. You will find this stock just as they represent it to be and well worth the prices they are asking. Write them for prices and particulars and mention **AMERICAN POULTRY JOURNAL**.

Poultry Pointers

Tells how to feed chicks and all fowls, also use of beef scraps, bone, etc. Its free. Write for it. **Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.**

ROBSON'S BUFF ROCKS

I have the finest lot of young stock I have ever raised. For sale in September.

R. H. ROBSON 203 N. Main St., Urbana, Ohio

Riverside Poultry Yards

CUT PRICES.—Twenty eggs \$1. B. P. Rocks, W. Wyandottes, S. C. White and Brown Leghorns. Prize Lt. Brahmas \$1.50 per 15. 200 choice Single Comb White and Brown Leghorn hens for sale at \$1.25 each. Catalogue free. **C. B. HUFF, Box C, Bridgeville, N. J.**

S. C. B. Minorcas and R. C. B. Orpingtons

World's Fair Prize Winners. We have one hundred S. C. Black Minorca hens for sale at \$1 apiece. Must make room for young stock. Eggs at half price. **Rosedale Poultry Farm, G. M. Shook, Joplin, Mo.**

Doane's Minorcas

are farm raised. Eggs from best matings \$1.50 for balance of season. Orders from ad direct promptly filled. **J. H. DOANE, Lock Box D, Gouverneur, N. Y.**

BLACK LANGSHANS

I won the \$25 Challenge Trophy Cup for highest scoring cock, chl., hen and pullet at the great Chicago Heights Show, 1905. Also silver cup for highest scoring pen in Asiatic class. Stock and eggs for sale. Send for circular and price list. **R. A. Hewes, Box 1, Crete, Ill.**

BARRED ROCK EGGS for HATCHING

from Chicago prize winners \$2.50 per setting, \$4 for two settings, \$12 for 100.

F. H. STANWOOD 416 North Harvey Ave., Oak Park, Ill.

PLANE'S S. C. W. LEGHORNS

Are specially mated for egg production, while their show record proves them to be superior in exhibition; my customers winning all over the country.

JOHN C. PLANE, Belvidere, Ill.
 Member National Single Comb White Leghorn Club.

The Real Thing

McClave's matchless prize winning White, Golden and Silver Wyandottes, Barred and White Rocks, White and Brown Leghorns, Black Hamburgs, Lt. Brahmas, Langshans, R. C. B. Bantams, big Bronze Turkeys, White and Naragansett Turkeys, all standard varieties of Geese and Ducks, and Scotch Collie Shepherd Dogs. Prices reasonable. Best quality. Write.

CHAS. McCLAVE Box 746 New London, Ohio.



Wiebke's S. C. Brown Leghorns

Chicago, Ill., January, 1905. 2d cock, 2d, 3d cockerel, 1st pullet, 1st pen, 10 specials on 8 birds. Madison Square Garden, Jan., 1905, 1st cock, 3d pullet. Winners of 30 1sts at Chicago, Indianapolis, Cleveland, Ft. Wayne, Eggs \$2 and \$5 per sitting. Circular free. **W. H. WIEBKE, Box P 2001, Ft. Wayne, Ind.**

BIG SUCCESS WITH HOGS.

SOME farmers are more successful with hogs than others. The man that only gets 8 lbs of pork out of a bushel of corn fed to hogs makes only half as much as the man that gets 17 lbs.

The American Swineherd is a specialist and the best authority on the hog industry.

Prof. Henry says that success is only obtained by concentrating all efforts upon one line.

A two-years' course in Hog Raising: Teaching how to be successful.

How to secure the greatest profits.

How to get 17 lbs. of pork out of a bushel of corn and 19 lbs. from a bushel of wheat-fed hogs.

How to feed to double the growth and gain over usual methods; only healthy hogs profitable.

How to keep your hogs healthy.

How to utilize, without other expense than the subscription to this paper, the costly experience and gathered wisdom of the most capable and successful feeders.

Prof. Kennedy of the Iowa Agricultural College says "Your paper is a leader in its line on feeding."

Every owner of hogs should take advantage of this special offer:

Send us \$1 for two years' subscription to the **American Swineherd** and it will entitle you to a free copy of the Hand Book on "Hog Hygiene," with trade secrets, recipes, valuable information, etc. If the offer is accepted in ten days we will send you in addition the wonderfully suggestive picture in colors, "Uninvited Guests," suitable for framing, showing the pigs partaking of a meal uninvited.

This equips you for a successful hog business.

AMERICAN SWINEHERD 542 Como Bldg., Chicago, Ill.

Questions and Answers

Questions asked by subscribers will be answered in this department.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Will you please tell me in "Question and Answer" column what single and double mating is? D. F. H.

Martha, N. D.

Answer:—Single mating is where a fancier produces, or attempts to produce, both cockerels and pullets up to standard requirements from the same pen. Double mating is where one pen is mated to produce cockerels and another to produce pullets.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer in your next issue the following: Have a neighbor whose chickens have lost all the feathers on their heads and necks, and the necks are scaly. What is the cause and remedy? Would it be safe to buy pullets from him? Ours are all healthy and doing well. C. E. M.

Niagara, Ore.

Answer:—This is caused by a parasite called the depluming mite. Anoint the parts with lard and flower of sulphur, two tablespoonfuls of the former to a teaspoonful of the latter. Carbulated vaseline is also good. Would not advise the purchase of such stock.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Will you please answer in the next issue of your valuable journal the following question: What is the cause of leg weakness in fowls, and what is a remedy if there is one?

Mohawk, N. Y.

A. E. S.

Answer:—Leg weakness in fowls is a form of rheumatism and is frequently caused by the fowls being kept in damp filthy quarters. Ascertain wherein the surroundings of your fowls is lacking and try and remedy same. This is also caused by the fowls becoming too fat. Give your fowls a teaspoonful of baking soda to each quart of drinking water and feed a cooling ration, such as wheat bran, middlings and vegetables of various kinds.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer the following questions in the next number of your paper:

I have lost about 50 young turkeys from gas forming in crops caused from drinking water. They look healthy and grow rapidly until I give them water and as soon as they drink will fall over and have fits. If taken as soon as they drink and held with the head down and work the crop so that the water will run out of the mouth they will recover. I have some very nearly two months old and if given free access to water will droop around and die. I have not been able to give them water since they hatched, and I find it very difficult to keep them from getting water now, as it has been raining. Can you give cause and remedy?

I bought some White Wyandotte eggs from a reliable breeder and find that

two of the chickens have bluish shanks and one of them instead of being white is blue. Will the shanks turn yellow and will the blue one feather out white?

W. H. M.

Answer:—Young turkeys should have water from the time they are hatched. You have probably kept the water away from them too long and when they did get it they drank too much. Unless young turkeys are overfed water will not hurt them. Your White Wyandotte chick that is of a bluish tinge will probably feather out snow white. The bluish shanks will probably remain that color.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—I am just getting ready to raise a few fowls, and would like to ask a few questions to be answered in your "Question and Answer" department:

1. What is meant by "line bred poultry?" Are they any, or very much better than the other?

2. Do the Orpingtons lay as good as the Leghorns or Minorcas, and if not how near as well?

3. Will the Orpingtons bear confinement better than the other two breeds mentioned?

R. D. H. D.

Hackensack, N. J.

Answer:—1. Read article on line-breeding elsewhere in this issue. 2. This depends on the strain and the care and attention given them. 3. Orpingtons will bear confinement well, but probably not any better than Leghorns and Minorcas. This also depends on the care given.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—I would like you to answer a question for me in the next month's AMERICAN POULTRY JOURNAL. I have a White Leghorn which laid an egg the other day, which had no yolk, nothing but the white, what is the cause of that? When I took the egg out of the nest I thought it was one of my Bantams, but they are separated from the other ones.

Brooklyn, N. Y.

W. B.

Answer:—It is no uncommon occurrence for fowls to lay an egg of this character. It is generally the last egg they will lay for some time, and in other cases it indicates a diseased condition of the egg sack, and is easily remedied by putting the hen into new quarters and giving her a change of diet.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Will you please to give me a few pointers on the raising of geese. I do not see the goose question discussed as freely as everything else belonging to the poultry business. I have 80 head from two weeks to two months old, those two months old will weigh from 7½ to 8 pounds. What should they weigh at that age? I start them on stale bread and corn bread

Standard Poultry Food Greatest stimulating tonic known, inducing health, vigor, eggs and profit. Sold by dealers. If not there send for special trial offer. Standard Stock Food Co., Howard St., Omaha, Neb.

SUNNY SIDE POULTRY FARM—Holyoke's Green Sheen Black Langshans, American Reds and B. P. Rocks. Eggs that will hatch winners. Langshan, American Red and Barred Rocks \$1 per sitting during July and August.

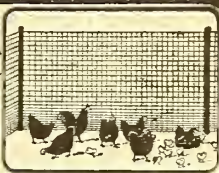
J. E. Holyoke, Adrian, Mich.

GINSENG \$50,000 worth can be raised on one acre. Write for prices of roots and seeds. Begin preparing ground now; proper time for planting in the fall. Complete cultural directions free with orders. Illustrated book, telling about its history, cultivation, profits, market, etc., for 25c. Address Wisconsin Ginseng Garden, 601 Adams St., Wausau, Wis.

MORE EGGS—Less Feed—Humphrey Bone Cutter, Humphrey Clover Cutter, will double egg yield. Poultry Book sent free. HUMPHREY, White Street Factory, JOLIET, ILL.

"Lightning" White-Wash Sprayer No. 28—White-wash your Poultry-houses and stables. Kills lice and vermin. Easy to operate. Sprays white-wash rapidly. Impossible to clog. Also for spraying trees, washing wagons, etc. Double action pump; will spray 30 feet high; has 3½ feet heavy hose, extension rod, brass nozzles, steel stirrup, ball valves. All brass pump \$3.50; galvanized iron \$2.50. Cash with order; express prepaid. Agents wanted. D. B. SMITH & CO. Utica, N. Y.

Union Lock Poultry Fencing



PICKETS LOCKED IN CABLES

Can't slip, but stretches perfectly to fit uneven ground. Fine meshes at bottom for little chicks. High as you want it, 1 to 7 ft. A poultry fence for all fowls that does not sag.

We sell direct to Farmers and Poultrymen. Prompt Shipments at Factory Prices. Mills in Connecticut, Illinois, California. Write for catalogue.

CASE BROS., 28 Main St., Colchester, Conn.

A BETTER LOCATION THAN YOURS

Would be in Virginia, North Carolina, South Carolina, Georgia, Florida or Alabama, or some other Southern State, and we can prove it. Write for a copy of the special Southern edition of the

SEABOARD AIR LINE MAGAZINE

which is handsomely illustrated, and contains hundreds of specific opportunities for success, it matters not what your occupation.

J. W. WHITE

General Industrial Agent, Portsmouth, Virginia.

SEABOARD AIR LINE RAILWAY

with a good many unfertile eggs in the corn bread. After two weeks one-third bran and two-thirds corn chop with sharp sand. Am I feeding right? What should I feed after two months? Please answer in your valuable journal and oblige.

J. P. S.
Emporia, Kans.

Answer:—Will some of our experienced breeders of geese please answer above questions?

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please tell me in your next issue, must a Single Comb Black Minorca cock have five points to his comb or more, or doesn't it matter how many points he has in his comb to be thoroughbred Minorca?

M. B.
Detroit, Mich.

Answer:—The standard calls for five points on the comb of a Minorca, but one point more or less is not a sign the bird is not thoroughbred.

Every Heart=Ache

Every pain in the breast, difficult breathing, palpitation, fluttering or dizzy spell means that your heart is straining itself in its effort to keep in motion. This is dangerous.

Some sudden strain from over-exertion or excitement will completely exhaust the nerves, or rupture the walls or arteries of the heart, and it will stop.

Relieve this terrible strain at once with Dr. Miles' Heart Cure. It invigorates and strengthens the heart nerves and muscles, stimulates the heart action, and relieves the pain and misery.

Take no chances; make your heart strong and vigorous with Dr. Miles' Heart Cure.

"I suffered terribly with heart disease. I have been treated by different physicians for my trouble without results. I went to a physician in Memphis, who claimed that I had dropsy of the heart. He put the X-ray on me, and in connection with his medicine he came near making a finish of me. Some time before this a Mr. Young, of St. Louis, was in our town. He saw my condition, and recommended Dr. Miles' Heart Cure to me. I gave it little attention until my return from Memphis, when I concluded to try it, and am pleased to say three bottles cured me."

CHARLES GOODRICH,
Caruthersville, Mo.

Dr. Miles' Heart Cure is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails he will refund your money.

Miles Medical Co., Elkhart, Ind



THE GEM

Adjustable Leg Band.
Either band, price postpaid:
12 Leg Bands 15c; 25, 30c; 50,
45c; 100 75c. Sample Leg Band
and Pigeon Bands with cata-
logue on Poultry Supplies
Free.

SURE LOCK

is made in 6 sizes
No. 1, 1/2 in; No. 2, 3/4; No. 3, 1 in;
No. 4, 1 1/4; No. 5, 1 1/2; No. 6, 1 3/4.
Manufactured by H. TURNER
& CO., 2026 Harvard St., Chicago, Ill.

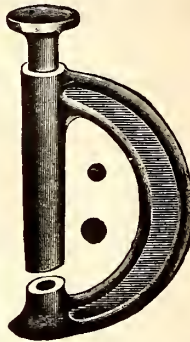


Sure Lock.

25c CHICK MARKER FREE.

Every poultry raiser needs one. Punch a small hole in the web between the toes to identify one breed or strain from another.

By a series of marks no confusion can occur. For a short time the Gem Incubator Company, Box B, Trotwood, Ohio, offer to send you their marker free, also their large illustrated catalogue telling how to make money hatching fall chicks. This is an offer you should take advantage of at once. The Gem Incubators and Brooders have many excellent features that appeal to the practical poultryman, and they are substantially built of the very best materials, and the prices are right. Send them a dime or five 2c stamps to cover packing and postage and you will receive a marker by return mail. Please mention this paper.



MIDSUMMER COMFORT.

Those who have found the summer vacation problem a difficult one, from the standpoint of economy, will find some practical suggestions in the chapter on "Co-operative Housekeeping at the Seashore," by Isabel Gordon Curtis, in the August *Delinicator*. The matter is gone into in detail, and facts and figures demonstrate the advantages of the scheme. Other features of the magazine which appeal particularly during hot weather are "Cold Tid-Bits for Hot Days," pictured and described, and a variety of seasonable recipes in cookery under the titles, "A Dozen Fresh Fruit Pies," "Tartlets," and "Iced Deliciousness." Summer fashions and reading complete the number, which is unusually interesting and attractive.

KIPLING'S NEW STORY.

Rudyard Kipling has not been of late a frequent contributor to magazines. The August *Century* will contain a story by him, a tale of Americans in England called "An Habitation Enforced."

The story is said to be an unusually long one for Mr. Kipling, so long that the *Century* editors were minded at first to print it in two numbers, but it was decided to let it all appear in the Midsummer Holiday issue.

When located where I can't get ice I can still keep meat perfectly fresh during several days of hottest weather. I put it in a large vessel, crockery preferred, and turn over it freshly soured milk. Cover over entirely and set in a cool place. I change the milk at intervals of twelve or not longer than twenty-four hours. I keep lemons also plump and fresh in the same way. Few people know of the preservative properties of milk used in this way, says a writer in *Good Housekeeping*.

W. L. Fern, Elgin, Ill., the noted Single Comb White Leghorn specialist, reports that he will have one hundred very choice cockerels ready to ship by October 1st. Mr. Fern has spent years of time and hundreds of dollars in perfecting his strain, and can without fear of contradiction claim to have as good birds as the country affords. Any of our readers who are anxious to improve the breeding and winning qualities of their flock should write to Mr. Fern for prices. They will be treated right.

Mrs. T. F. Leonard, Mt. Sterling, Ohio, is offering some of her choice White Wyandottes for sale at extremely low prices, considering quality. Mrs. Leonard always gives a good share of the prizes wherever she exhibits and if any of our readers are looking for something good for the early fall shows they should correspond with Mrs. Leonard.



The Saving

in posts, boards, rails, staples and labor makes the first cost of **Page Poultry Fencing** less than that of common nettings, to say nothing of the better service it will give and the longer time it will last. Write for particulars.

PAGE WOVEN WIRE FENCE CO.
Box 5865 Adrian, Mich.

White Wyandottes.

Winners at next winter's shows are in our yard, and can be had at reasonable prices. Write me before buying.
J. B. BENNETT, Ringwood, Ill.

PATENT YOUR IDEAS
\$100,000 offered for one invention; \$8,500 for another. Book "How to Obtain a Patent" and "What to Invent" sent free. Send rough sketch for free report as to patentability. We advertise your patent for sale at our expense. Chandler & Chandler, Patent Attorneys, 972 F Street, Washington, D. C.

SUPERIOR EGG PRESERVER!

Our Egg Preserver is guaranteed to keep eggs fresh and sweet indefinitely. Invaluable to the family and to the Egg Shipper. Buy eggs during the summer and hold them for winter prices. Price, \$1.00 prepaid, sufficient to preserve 1000 eggs. Complete instructions. No extra expense or attention required. Address

Neuralg Chemical Co. Dept. D, Emmitsburg, Md.

MILES' BARRED ROCKS

are in front among the best on earth. Distinguished for unusually narrow, clear, ringy barring, birds of my exclusive breeding in my hands winning five-sixths of the prizes competed for. EGGS from Wilkesbarre, Pittsburg, Elmira and Anburn winners, 30, \$3; 56, \$5.

G. A. MILES, Laceyville, Pa.

H. O. SEARS

Is selling eggs from his B. P. Rocks, Pekin, Rouen and Indian Runner Ducks at \$2 per setting. Also Bronze Turkey eggs at \$2.00 per 9. Every breeder a winner. Order from this ad.

H. O. SEARS

L. Box 6, Garden Prairie, Ill., U. S. A.

Rudolph Poultry Yards, Rudolph, O. Fancy Buff and Barred Rocks

Bufs win two state cups in succession and over one-half of all cash and other specials at the last two cup competitions. Barred win five places at Fostoria. 400 Barred and bufes to select from. Write your wants. Catalog free. Eggs in season.

F. S. & J. S. GASPER - RUDOLPH, OHIO



Caneday's White Rocks Are Good Ones

Pedigree bred ten years. Splendid layers, good size, Rock shape, neat combs, bay eyes, whitest color. Pleased customers. Some choice breeding hens and cocks for sale. Fine circular illustrated from life.

VICTOR D. CANEDAY
Box A, Taylors Falls, Minn.

HADAWAY'S PARTRIDGE WYANDOTTES



are the champions of America. They have won more prizes at the large shows the past few years than those of any other breeder. In order to make room for growing chicks I will now sell 200 breeders and exhibition specimens at half price. It's the coming breed, so send for free catalogue telling about them.

J. B. HADAWAY
696 N. Main St. Brockton, Mass.

First Hen, New York, 1904



Envelopes 3 1/2 by 6 1/2 inches, an extra thick, strong, smooth, hard slick white writing surface, and 125 Letterheads, 8 1/2 by 11 inches an extra heavy, hard, slick, fine smooth, pure white writing paper. All artistically printed to your order and illustrated with latest new Standard cuts of your choice breed of fowls, postpaid for \$1.00. Better printing at the price was never done. I'll please you. Make all money orders payable to me at Big Clifty, Ky.

J. R. HUDSON, HARDIN SPRINGS, KY.
We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.

'NOTHING SUCCEEDS LIKE SUCCESS.'

Are you a stockholder?

For many years Chicago and the west have felt the need of a supply house—one that could satisfy and supply the needs of poultry fancier, chicken raiser, farmer or the office man, who sits by his desk day after day in the city, and one who has a few minutes each evening to which he enjoys the care of chicks, or the one who has ventured the purchase of a farm nearby and placed a competent person in charge that he might have a place to go and spend his vacation—all these people and many more have found the Chicago Poultry Supply House, 632 Lakeside building, 214-220 South Clark street, very centrally located. They claim "Everything for the poultryman," which is true in name. They believe in supplying the needs of the poultryman and farmer. Mr. Fred J. Phillips is manager. He is a practical poultryman, being a breeder for over fifteen years. He is also manager of the Rocky River Poultry Company, largest Rose Comb White Leghorn breeders in the United States.

Any information desired in poultry or houses is always cheerfully given by him. The volume of business which they have done in the past year has been enormous.

They are agents for the Model incubators and brooders, manufactured by Charles A. Cyphers; Rouse Perfection brooder, Puritan Chick Food, Morris' Poultry Cure, Mico Spar Cubical Grit, and hundreds of other articles necessary to a poultryman.

Owing to the great amount of business done, the company was incorporated some time ago and is offering a few shares of stock at a very reasonable price. No better investment could a person with a few dollars or several thousand ask for than to take shares in a live, wideawake, up-to-date poultry supply house. They have just added a new branch by putting up "Fly Bouncer," Fly Chaser and Phillip's "Death to Insects," both in liquid and powder form. They also do a large wholesale business and have placed goods in nearly every state in the Union.

It would be well for our readers to look into this matter. A letter to the above firm would be cheerfully replied to.

HE WON AN INCUBATOR.

Seventy-five chicks out of seventy-six fertile eggs is an extra record. Mr. C. H. Hamner, of Bayou Goula, La., did it in his incubator this spring and won a prize.

A 200-egg incubator was offered by the publishers of the *Southern Ruralist* to the person who obtained the largest hatch

from a machine purchased from their advertisers. The prize was to be awarded in April. The contestants sent sworn statements and signatures of three reliable witnesses.

The best result of them all was the score reported above. This high percentage—98.6—was obtained in a Prairie State Incubator. The givers of the prize allowed the winner to choose the machine he wished. Naturally Mr. Hamner's selection for his premium was another Prairie State Incubator.

Mr. Hamner is very enthusiastic over the excellence shown by the Prairie State. He finds it easy to attend. It runs evenly; doesn't overheat the eggs in either corners or center. The regulator is always to be depended upon. The ventilation was certainly good, for only one egg out of seventy-six failed to hatch.

Mr. Hamner is to be congratulated on his success. In April the *Southern Ruralist* fulfilled its promise. The publishers sent him by freight, prepaid, a No. 2 200-egg Prairie State Incubator from the factory of the Prairie State Incubator Company, Homer City, Pa.

THE FAMOUS MARY L. POULTRY PLANT FOR SALE.

In another part of this magazine there appears an advertisement offering for sale the famous Mary L. Poultry Plant, located at Sidney, Ohio. Perhaps there is not a poultry-keeper in the world who is not more or less familiar with the magnitude of this wonderful institution, which is readily conceded by all to be the largest, most complete and best equipped poultry plant in existence. For years it has been the "model" of them all and an inspiration to hundreds of poultrymen. People from every quarter of the globe have visited this plant, and look upon it as one of the evidences of Yankee supremacy and enterprise. Crowned heads of Europe have patterned after it and have established plants like it but upon a much smaller scale upon their estates. The Mary L. Poultry Plant is considered one of the wonders of America, and well it may be.

We understand that it will be sold at private sale, also that it must be sold quick, and that the lucky man will get it at a bargain. Here is, without doubt, a splendid opportunity for a wide-awake hustler to make a fortune and to acquire the finest poultry plant in the world at a sacrifice price.

Look up the advertisement and if you can handle such a proposition write quick, as such a snap won't be long in finding a taker. Kindly mention this paper when you write.

A. P. Tone Wilson, Jr., the real estate specialist, Topeka, Kan., can sell or trade your property no matter where located. Mr. Wilson is a very extensive advertiser, having ads in over 2,500 different papers and magazines and is therefore in a position to handle real estate to the best possible advantage. If you want to buy or sell write him for full particulars and mention AMERICAN POULTRY JOURNAL.

G. M. Shook, proprietor of Rosedale Poultry Farm, Joplin, Mo., has purchased a hundred-acre farm eighteen miles from St. Louis, Mo., and three miles from Valley Park, which will give him ample room to raise enough birds to supply the demand which heretofore he has been unable to do. He will move to his new location September 1 and will be ready to fill all orders by October.

John Keig & Son, Romeoville, Ill., who make a specialty of breeding choice Buff Plymouth Rocks, report that they will have a large number of choice birds ready for the fall shows. Any of our readers who desire something that will win should write early and secure first choice.

J. B. Bennett, Ringwood, Ill., breeder of prize-winning White Wyandottes, reports that he has some of the choicest young stock that it has ever been his pleasure to raise, and that he is in shape to supply birds for the early fall and winter shows that will win in the strongest kind of competition. Any of our readers who are desirous of securing something choice in White Wyandottes at a reasonable price should write to Mr. Bennett and mention AMERICAN POULTRY JOURNAL.

The works of the Mica Crystal Co., located at Warren, N. H., have been entirely refitted with new machinery and are now in condition to turn out a better product than ever.

IRON AGE

Farm and Garden Implements, Seed Drills, Wheel Hoes, Riding Cultivators, Potato Planters, etc., are all described in our new book. It's free. Write for a copy Bateman Mfg. Co., Box 119, Grenloch, N. J.

GINSENG

\$25,000.00 made from half acre. Easily grown in garden or farm. Roots and seeds for sale. Send 4c for postage and get booklet A. B. telling all about it. McDOWELL GINSENG GARDEN, JOPLIN, MO.

HENS WILL PAY

twice the profit, if you use the easy-turning
Mann's Latest Model Bone Cutter.
30 day free trial. No money in advance. Catalogue free.
F. W. MANN CO., Box 59 Milford, Mass.

THE PARKS PARTRIDGE WYANDOTTES

World's Fair Prize Winners. Stock for sale in pens, trios, pairs and singles. Eggs \$3 and \$5 per 15. E. A. PARKS, Club Member, 207, 209, 211 West Brighton Ave., Syracuse, N. Y.

NORTH SIDE POULTRY YARDS

SILVER LACED WYANDOTTES Exclusively

Stock for sale at all times. No eggs. Send for circular. A. & E. TARBOX Box A 5, Yorkville, Ill.

ORVILLE D. CHINN

Specialty breeder of Black Breasted Red Games. The exhibition kind of finest quality. Write me for prices. Kehoe, Ky.

CHRISTOPHER STRAINS

You pay bigger prices but get no better birds. I have spent years in developing just two breeds—my favorites, BARRED AND WHITE ROCKS. Finely pointed birds of all ages and guaranteed fertile eggs at living prices. I solicit a trial order.

KICKAPOO POULTRY YARDS,
JAS. CHRISTOPHER, Prop., Heyworth, Ill.

SINGLE COMB W. LEGHORNS

Bred to standard and foreegg production. Stock and eggs for sale in season.

WHITE STAR POULTRY FARM, South Amboy, N. J.

Barred Rocks Exclusively.

Good breeders for sale cheap if ordered early. Also a few dozen yearling hens, laying stock at \$12 per dozen during July and August.

MRS. TILLA LEACH, Cheneyville, Illinois

LITTLE CHICKS

The only book published that tells how to successfully hatch and rear little chicks. Written by the most practical poultryman. Over 160 pages. Price, 50 cents postpaid. Circular free.

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26 & 28 Vesey St., New York City

Granger Poultry Farm

S. C. Buff and White Orpingtons and Buff Leghorns

Eggs from imported and prize winning matings. Mating list giving prices and descriptions. Please write me stating wants.

F. A. CROWELL Granger, Minn.

"Away Down South in Dixie"

Eggs by the sittings or by the hundred from White Wyandottes, White Plymouth Rocks, S. C. White Leghorns, S. C. Black Minorcas, S. C. Buff Leghorns, R. C. B. Leghorns and Cornish Indian Games. Stock for sale at all times. Prices on eggs: Utility matings \$1.50 for 15; exhibition matings, \$2.50 for 15; special matings, \$5 for 15. Incubator eggs per 100 \$5.

Cherry Hill Poultry Farm H. W. BLANKS, Prop., Columbia, La.



Have You Large Flocks, and do you want a thoroughly firm and substantial house for them this season? Then Get Our

Sanitary Poultry House Number Six

Fitted with nests and dropping board the whole length; has partitions of wire and double-acting hinged door. Dimensions: base, 8x20 ft.; 6 ft. front; 7 ft. ridge; 5 ft. rear wall. Style A, with 1/2 size windows. Style B, with full size windows as in cut. Wind-proof, water-proof, and best grade Red Rope roofing. Easily put up, looks well, and pleases the chicks. Send for booklet giving details of six sizes and styles. Address

Sanitary House Company, Lemont, Illinois.

A Busy Year



for Old Trusty. Last season was a hummer, but we've got our breath and are going to keep going.

SUMMER PRICES ON OLD TRUSTY

for a few months. It will be a good time to outfit. Same machines, same selling plans.

40 Days Free Trial, 5 Years Guarantee.

Have you ever seen my catalogue? It is Free. INCUBATOR JOHNSON, Clay Center, Neb.

Classified Ads.

Under this heading ads will be inserted for five cents per word each month for less than three months, **three cents per word for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. Commencing with the January, 1904 issue, all ads will be inserted under **classified headings.** No ads accepted at less than an average of 50 cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Copy for classified ads should reach us by 19th of month preceding date of issue. Write your copy plainly, as upon this the correctness of your ads largely depends. AMERICAN POULTRY JOURNAL is furnished every advertiser during the time his ad is running. **Forty thousand per month.** We guarantee an average monthly circulation of 40,000 copies of AMERICAN POULTRY JOURNAL. When placing your ads remember that advertisers of Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted.

On writing any of these advertisers mention A. P. J. It helps you and doesn't hurt us.

All Copy for Classified Ads Must Reach us by the 19th of the Month.

PLYMOUTH ROCKS.

EGGS—ROYAL BLUE BARRED PLYMOUTH ROCKS. Bred in line for layers and setters. \$1 per setting. River View Farm, F. B. Fenton, Beloit, Wis., Box 581. 6-3

WHAT DID I SAY? BEST STRAINS Barred Plymouth Rocks. Best pens, \$1 per setting remainder of season. S. P. Lewis, Ashtabula, O. 6-3

WYANDOTTES.

WHITE WYANDOTTES EXCLUSIVELY.—(Clement & Fike's strain.) Winners at Chicago. Will sacrifice 50 hens for \$100; 700 youngsters Sept. 1. C. H. Sharman, Rockefeller, Ill. 7-3

MANORDALE FARMS—Famous bred-to-lay White Wyandottes; 140 eggs in 151 days is a pullet record. Eggs, \$2 per setting. Joe F. Charles, Mountville, Pa. 3-12

WHITE WYANDOTTES. "Duston." Choice stock. Excellent layers. Eggs, \$1.25 for 15; \$5 for 100. L. C. Taylor, Lake View Farm, Lima, Ind. 6-3

WHITE WYANDOTTES. Reliance strain; always in the winnings, no matter how hot the class is. If you don't like the birds send them back and get your money. My object is to please. D. Lincoln Orr, Box 5, Orrs Mills, N. Y. 6tf

COLUMBIAN WYANDOTTES—Winners at Madison Square Garden; a few good cockerels to spare. Eggs, \$3 per setting. Dr. C. J. Andrus, Canandaigua, N. Y., "The Black Minore Man." 2-05-12

WHITE WYANDOTTES FOR SALE—40 hens and 6 cock birds, including my best breeders and prize winners, at great bargains. Write Will H. Schadt, Goshen, Ind. 6-3

GREAT SACRIFICE SALE—Of White Wyandotte breeders, to make room for 200 young chicks. Ira B. Sleet, Warsaw, Ky. 6-3

LEGHORNS.

RESULT BRINGERS—Beebe's Single Comb White Leghorns; Beebe's Blanchards, Vanattas and Fravers strains. Get circulars and line up. Per setting, \$1; per 100, \$6; incubator eggs, \$3.50. H. C. Beebe, R. 5, Canton, Ill. 6tf

SINGLE COMB WHITE LEGHORNS.—Eggs from prize winning pens, \$1 per setting, \$5 per 100. R. R. Rowe, Elgin, Ill. 7-3

ROSE COMB BROWN LEGHORNS.—Eggs and stock of finest quality at reasonable prices. Kennell Bros., Christiana, Pa. 7-3

WHITE LEGHORN EGGS, the kind you have been looking for. Two hundred egg strain, fine in shape and color. Birds score from 92½ to 95½. Satisfaction guaranteed or money back. Eggs, \$2 per 15, or \$8 per 100. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

ROSE COMB WHITE LEGHORNS. New York-Chicago winners. Good layers. Circular. W. W. Wood & Co., Angola, Ind. 5-4

H. M. MOYER, SPECIALIST.—S. C. Brown Leghorns. Stock and eggs. Circular free. H. M. Moyer, Route 2, Bechtelsville, Pa. 11-04-12

OUR SINGLE COMB BUFF LEGHORNS are money-makers. Eggs remainder of season, \$1 for 15; \$5 per 100. Write us. Westview Poultry Yards, Box 11, Machias, N. Y. 6-3

SACRIFICE SALE of Prize Winners White and Brown Leghorns, finest strains. Write, D. I. Howard, Aberdeen, Miss. 8-3

SINGLE COMB BUFF LEGHORNS. Standard strain. Breeding pen contains solid colored birds. Two pullets scoring 95½ each, cock bird 94½ (bred to lay), eggs \$2 for 13. Clarence C. Woodcox, St. Joe, Sta., Ind. 2-tf

BRAHMAS.

FIFTY HEAD of choice yearling Light Brahma hens for sale at \$1 each if taken soon; to make room for my growing stock. O. J. Austin, Pana, Ill. 7-3

MINORCAS.

WHITE MINORCAS.—At the greatest Chicago Show, ours won 1st, 2nd, 3rd, pen, 1st cock, 1st 2nd, 3rd, 5th cockerel, 1st, 3rd, 4th, 5th pullet, 2nd, 3rd, 4th, 5th hen and 2 silver cups. Their chicks 2 months old, \$3 per dozen. Imported and other breeders, \$2 each. 10 S. C. White Minorca breeders for \$15. S. A. McWilliams, 3456 Michigan Ave., Chicago, Ill. 3tf

ORPINGTONS.

ROSE COMB BUFF ORPINGTONS and Buff Rocks for sale. Orpington and Rose Comb White Minorca eggs \$1.50, Rocks \$1.00. B. Wenk, Washington, Ill. 6-3

SINGLE COMB BUFF ORPINGTONS FOR SALE—40 hens and 5 cock birds, including my best Prize Winners, to make room for young stock. Great bargains if taken at once. Will H. Schadt, Secy, National Single Comb Buff Orpington Club, Goshen, Ind. 6-3

S. C. BUFF ORPINGTONS—3 pens; Buff Wyandottes, 2 pens, 15 eggs, \$2. S. C. R. I. Reds, 3 pens, 15 eggs, \$1.50. Three best flocks owned by any one man in state. "Phillips" Sunny Side Hill Poultry Yards, Amsterdam, N. Y. 3-05-1yr

WHITE ORPINGTONS FOR SALE—As we are going to breed R. I. Reds exclusively we will offer all our White Orpingtons for sale, including our World's Fair winners, at a great bargain. Birds scoring up to 95½. C. N. Hansen, Warsaw, Ky. 5tf

ROSE COMB BUFF ORPINGTON—Now is your chance to get some good stock cheap. A pen of Cook birds. Pen from Williams & Co. Eggs, \$2 setting. J. W. Andrews, Dover, N. J. 6-3

FOR SALE—Single Comb Buff Orpington Chicks from exhibition stock. Write for prices. E. B. Lybarger, 32 Mack Ave., Shelby, O. 6-3

RHODE ISLAND REDS.

RHODE ISLAND RED Rose and Single Comb Partridge Wyandottes. Special mated eggs, \$1.25 per 15. Circular. Standard Club members. Incubator eggs. Before placing order, write us. Rhode Island Red Poultry Farm Co., Malden, Mass. Mention A. P. J. 1-8

HOUDANS.

STANDARD BRED HOUDANS—WINNERS wherever shown—two pens mated up, containing World's Fair winners, 1904—1st, 3d and two 5ths; four 1sts in Missouri, and 1st, 2nd and 3rd Chicago, 1905. Eggs, \$3.50 per 15. Fred Graf, 16 N. 4th St., St. Louis, Mo. 6-3

ANDALUSIANS.

CHOICE ANDALUSIAN chicks for sale, from my prize winning Peerless Blue strain. Quality and price will please you. Circular. R. H. Quackenbush, Baldwinville, N. Y. 7-3

ANCONAS.

BEAUTIFUL ANCONAS, grand in standard and utility qualities. Splendid layers, winter and summer. Best winter layers, big white eggs. Catalogue free. O. S. Evans, Roxbury, Ohio. 5-3

BANTAMS.

WON MORE FIRST prize Pan-American on Golden and Silver Sebrights than all my competitors combined. Buff, Black and Partridge Cochins bred to win. Eggs, \$3. Clyde Proper, Schoharie, N. Y. 4-6

LIGHT BRAHMA BANTAMS. World beaters. History records the fact that Orr's Light Brahma Bantams won more firsts at the World's Fair than all my competitors combined, also at Madison Square Garden. Satisfaction guaranteed. D. Lincoln Orr, Box 5, Orrs Mills, N. Y. 6tf

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HAMBURG, LEGHORNS, Minorcas, Reds, Rocks, Wyandottes, Eggs and stock. Bargains! Albertville Poultry Farm, Albertville, Ala. 8-4

FOR SALE—Buffs, P. Rocks, S. C. White Leghorns, Cockerels, \$2.00 each. Imperial Pekin Ducks, \$1.00 each, if sold before Sept. 15. Bronzer Turkeys for sale later. Guanatee satisfaction. Mrs. Malina Severson, R. F. D. No. 5, Forest City, Iowa. S-1

POULTRY BOOK ON APPROVAL—Our new 128-page poultry book sent on 10 days' approval. Send 4c in stamps to pay postage. If the book is not what you want you can return it. Send today. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

INGERSOLL guarantees thirteen chicks or nine ducks, or replaces settings at half price from his prize winning record layers. White and Barred Rocks, White Leghorns, \$3 per 15; Mammoth Pekins, \$2 per 11. The best bred Fox Terriers in America; death to rats and "varmints"; pups, \$5 and upward. Seldom Surprise at stud, fee \$5. The best sire in the country. Box A, Shermerville, Ill. tf

ALL BREEDS of Live Pure Bred Poultry, Pigeons, Pheasants, Turkeys, Rabbits, Belgian Hares, Cavies, Dogs, Cats and all Pet Stock. A complete list in our large 162-page catalogue. Excelsior Wire & Poultry Supply Co., Dept. O, 26 to 28 Vesey St., New York City. 10-04-1yr

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PIGEONS—Large mated Homers, producing heavy squabs, 90c pair. Not satisfied, money back. Ferd. Sudow, Poughkeepsie, N. Y. S-6

EXTRA LARGE HOMERS \$1.50 pair; give me a trial order and be convinced. T. P. Burt, Jr., Englishtown, N. J. 6-3

CLARENCE L. GARNER, Elwood, Indiana, breeds pure bred English and Belgian Homer squab breeders; large, healthy birds. Square deal assured. 7-3

P. NEWCOMB, CEDAR RAPIDS, IOWA, has the largest loft of pigeons in the West; all leading colors in Fantails, English Pouters, Tumblers, Jacobins, Swallows, Turbits, Archangels, Magpies, White Bruner Pouters, Homers, Dragons and Carriers.

PIGEONS?—Thousands of them, all known varieties. Prices free. Illustrated descriptive book tells all you want to know, one dime. Wm. A. Bartlett & Co., Box 13, Jacksonville, Ill. 3-tf

SQUAB BREEDERS, ATTENTION—Mammoth English Runt pigeons, just the birds to increase the size of your squabs. Write for folder. J. M. Riel & Son, Downer's Grove, Ill. 19-04-1yr

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SPECIALS FOR JULY AND AUGUST.—PARROTS. Young, hand-raised Mexican and Cuban parrots, \$3.50. Imported Hartz Mountain Male Canaries, \$2. All kinds rare birds, fine bred dogs, Angora cats, monkeys, ferrets, pets, and living wild animals; cages, aquariums, etc. Dayton Bird Store, Dayton, Ohio. Dept Cal 7-3

FERRETS! FERRETS! Also all Poultry. Eggs, 20 for \$1. Also Pigeons and Hares. List free. A. L. Bergey, Telford, Pa. 7-3

FERRETS—Trained; warranted free from disease. Satisfaction guaranteed. Write. A. L. Garrison, Sullivan, Ohio. S-3

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FOR SALE.—A new Cyphers 360-egg incubator, only set once. A bargain if taken at once. Wm. V. Martin, St. Charles, Ill.

FOR THE BEGINNER—Our new book, "Successful Poultry Culture for Pleasure and Profit." The best 128-page poultry book ever published. Price, 50c. This book will be sent to you on approval. If not what you want you can return it. Send 4c in stamps to pay postage. Congress Park Poultry Yards, Box A., Congress Park, Ill. 4-tf

SAVE YOUR CHICKS—By using Miller's Gap Paste. Readily applied and guaranteed. Sent on receipt of 25 cents in silver. Joseph J. Miller, No. 306 East Chestnut Street, Lancaster, Ohio. Agents wanted.

SEND US 4 CENTS and receive a copy of our 128-page poultry book on 10 days' trial. If not what you desire same can be returned to us. Congress Park Poultry Yards, Box A., Congress Park, Ill. 4-tf

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FOX TERRIER DOGS protect poultry yards against rats, skunks, weasels. Fine pets. Circular. W. G. Smith, Hodges Bldg., Detroit, Mich. 7-6

REMOVAL CLOSING—Choice Black Minorcas, yearlings, young stock, incubator, brooder. Chickens from best prize winners. Chicago, January, 1905. Wm. Franklin Harvey, Ill. S-1

BARRED ROCK BREEDERS—Females at \$1.50 each. Males at \$2.50 and \$3.00 each. Geo. H. Shothafer, Clinton, N. Y. S-1

WHITE WYANDOTTE BREEDERS—To make room for several thousand youngsters we are now offering this year's breeding stock in females at \$1.50 each, males at \$3.00 and \$5.00 each. Order from this ad. First come first served. New York State White Wyandotte Farm, Shothafer Bros., Props., Clinton, N. Y. S-1

WANTED.

WANTED—Position by practical experienced poultryman. Will accept part salary, part interest. Understands the business thoroughly. Box 106, Franconia, Pa. S-1

POULTRY EXPERT wants situation as manager of large poultry plant. Twenty years' experience. Thoroughly understands all branches of modern poultry culture. Best of reference. Address, Clarence Ward, Lake Geneva, Wis. S-1

POSITION WANTED on poultry farm by a steady, experienced boy, 17 years of age. George Clark, Craig, Ill. S-1

WANTED—Ten thousand poultrymen to send for our new poultry book, "Successful Poultry Culture for Pleasure and Profit." This book contains 128 pages of useful information to the poultryman and beginner. Price, 50c. Send 4c in stamps and we will send you this book on approval, to be returned if not what you desire. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

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Good breeding stock for sale. 125 hens and a few male birds.

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THE STAR POULTRY FARM

The world's most profitable variety of S. C. W. Leghorns. Eggs from the best pens \$2 per 15, \$7 per 100. H. C. Hanser, 633 W. 62d St., Chicago, Ill.

SILVER PENCILED WYANDOTTES

A fine lot of this year's breeders now for sale. EGGS half price after May 15.

E. M. QUAY, Box 452, Columbia City, Indiana

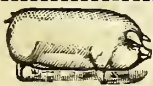
Miller's Black Langshans

Try them. None better; few as good.

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WANTED! 500 POULTRYMEN to try **Death to Roup** before paying for it. Any reliable poultryman can get a 50 cent package and pay for it when it has done all he expects it to do. I take the risk to advertise it as I know that it never fails.

M. E. SULLIVAN, Quincy, Logan Co., Ohio



MONEY IN THE GENUINE O. I. C. Hogs. Our stock is the real thing and we sell them so you can buy. Also eggs from pure strain of White Wyandottes, best layers in light patent boxes, 15, \$1.25; 30, \$2; 50, \$3; or 100 \$5. Headed by 94% cock bird. Write for our circular, its free, and don't forget, M. I. DAGGETT Co. L. Box 59, Des Moines, Iowa

THE RACINE INCUBATOR is the simple, dependable kind, used by thousands of successful poultrymen and women. This book about incubators is a complete education on incubators. Free.

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Rose Comb Brown Leghorns.

High class exhibition and breeding stock and eggs for hatching for sale at reasonable prices. Write your wants to

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Stock Remedies. Special inducements to new customers. Liberal terms to agents. B. and W. Langshan breeders at a bargain.

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COCHIN BANTAMS Black, White and Buff.

Seven first prizes at Madison Square, 1904.

DR. WILLIAM Y. FOX, Taunton, Mass.

Buff Wyandottes and Barred Rocks

Special bargains in breeding pens.

G. R. MORRIS LANARK, ILL.

KULP QUALITY

Leghorns, Brown and White, Rose and Single; White Wyandottes and Barred Rocks.

Eggs \$1 per 15, \$6.50 per 100.

W. W. KULP Box 70, Pottstown, Pa.

Barred Plymouth Rocks.

Ringlet Strain White Wyandottes and Bronze Turkeys. Have some good breeders for sale. Write for prices and catalogue.

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Glen Lee Poultry Farm, Winchester, Va.

G. H. Kinzel, Owner and Prop. White Wyandottes, Duston Strain; White Leghorns, S. C. Wyckoff and Blanchard Strains. Eggs \$2 per fifteen.

Oxley Bros., Fremont, Ohio,

Breeders of Black, White, Buff and Partridge Cochins Bantams, winners at Fremont, Dayton, Pittsburgh, Chicago and other shows. Stock score 93 to 96%. Eggs \$2.00 per setting.

Expert Poultry Judge

Terms, reference, etc., for the asking.

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EGGS from prize winning yards. A prize offered for the three largest orders for eggs received by July 1st. Send for large and new catalogue of Shetland Ponies, Land and Water Fowls, and Poland-China hogs. Send 15 cents for catalogue. GEO. A. HEYL, Washington, Ill.



This month is an interval between sales and gives an opportunity to arrange for the fall trade. If you need anything in the **Poultry Printing** line, send 2 cents for complete samples

JOHN ENGLE, Jr., 90 Komorn St., Newark, N. J.

Buff Rocks

Breeders now for sale at prices that will move them. EGGS \$1.00 per 15, \$5.00 per 100. Golden Nugget Poultry Farm, F. E. Gilliland, Box R, Hope, Indiana.

EGGS AT HALF PRICE

Fifteen eggs for only \$2.50. Famous World's Fair winners.

H. P. MASON Fayette, Mo.

EGGS HALF PRICE

balance of season. Lt. Brahmas \$1, Barred P. Rocks \$1 for 15, \$1.75 for 30; M. B. Turkey eggs \$5 per 10. Free circular. Geo. O. Anderson, R. R. 5, Rushville, Ind.

IMPROVE YOUR BUFF LEGHORNS "Canada's Best" S. C. B. Leghorns. Young stock ready Sept. 1st. Finest strain on record. Write now. Demand will exceed stock. NATE K. CORNWALL, Thamesville, Ont., Can.

Jumbo Strain Cornish Indians

Best in the west. Exhibition stock for fall and winter shows. Beautiful "Stay White" Wyandottes royally bred. Eggs \$5 per hundred.

BRENT & EDDY, Oconomowoc, Wis.

King Bros. Barred Rocks

Ringlet Strain—The Best of All

100 fine yearling breeders to sell at very reasonable prices. Write us. Catalogue free.

OMRO, WISCONSIN R. F. D. No. 21 (Formerly Oshkosh, Wis.)

Best Hen In The World

At the Great World's Fair Show Mrs. Della Maxwell's Barred Plymouth Rocks won 1st hen and 5th pen in competition with the world, and in Missouri exhibit, 1st hen, 1st breeding pen and 5th cock. Eggs in season. Mammoth B. Turkeys and pedigreed Scotch Collies.

Maple Grove Poultry Yards, Fayette, Missouri Mrs. Della Maxwell, Prop.

At Great St. Louis World's Fair Our

Partridge Wyandottes

Won 1st cock, 1st pen, 2d pullet in competition with the best in the world. Our **SILVER PENCILED WYANDOTTES** are just as good and we have hundreds of the finest exhibition and breeding stock of both varieties for sale.

CARVER & AVEY Box A, Columbia City, Ind.



NEW POULTRY CUTS For 1905 we have many new illustrations of pairs, trios and single birds. Our new catalogue shows all. Send for it today. I also breed B. P. Rocks—Eggs for sale. Chas. L. Stiles, 921 Mohawk St., Columbus, O.

WHITE PLYMOUTH ROCKS EXCLUSIVELY

at the Phoenix Poultry Yards. \$15 eggs at \$7.50. Incubator eggs at \$3.50. These bargains for June. Single settings at \$2.00.

Phoenix Poultry Yards Batavia, Ohio

Didriksen's Rose and S. C. Black Minorcas won 12 premiums at World's Fair, St. Louis, including 1, 2 and 3 Rose Comb cockerels, winners at Chicago and other large shows. Eggs from World's Fair mating, \$5 per setting; regular pens \$3. Stock for sale.

A. DIDRIKSEN, Whitewater, Wis.

BUFF P. ROCK EGGS

From Buffs that are buff, not the pale, washed out kind. Nugget strain, \$3 per sitting.

F. WHALEY, Appleton City, Mo.

Maple Grove Farm - Winwood, Pa.

Female breeders below real value, six for \$5, 13 for \$10. Eggs for fall hatching from very choice Silvers \$1.50, two sittings \$2.75.

MAPLE GROVE FARM - WINWOOD, PA.

Silver and W. Wyandottes

Female breeders below real value, six for \$5, 13 for \$10. Eggs for fall hatching from very choice Silvers \$1.50, two sittings \$2.75.

MAPLE GROVE FARM - WINWOOD, PA.

Female breeders below real value, six for \$5, 13 for \$10. Eggs for fall hatching from very choice Silvers \$1.50, two sittings \$2.75.

MAPLE GROVE FARM - WINWOOD, PA.

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King's Barred Ply. Rocks

are attracting the attention of the poultry world. Why? Because they excel in many respects. A few eggs will demonstrate this fact to you. Can spare a few more settings. Write us today for circular and prices on breeding stock. Remember the specialist for best results.

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Bair's Barred Rocks

are daily proving their claim of being leaders for exhibition and utility. In my yards the 200-egg hen is a reality. Lady Pan, the greatest living hen, has a record of 247 eggs for year 1903 and 11 blue ribbons won in the largest shows of the country. I have for sale fine chicks from Lady Pan pullet line, and extra fine egl. breeding pullets. Eggs from selected matings \$3 for 15, \$5 for 30.

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Single Comb Buff Orpingtons

...EXCLUSIVELY...

EGGS for sale at cut prices after June 1st from stock scoring from 92 to 95 by McClave. Price \$1.25 per sitting of 15. "Sunflower Strain."

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Geo. P. Hartman & Son, Box D 193, Freeport, Ill.

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First prize winners at leading shows. Also America's choicest strains of Single Comb White Leghorns. Stock for sale. Eggs in season. Satisfaction guaranteed.

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Prices Cut In Two Stock and eggs for sale. Thirty varieties. Stock scores from 90 to 96 points. Write for prices. Fourteenth annual circular free.

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Chemically pure, keeps poultry strong, healthy and in good laying condition. Corrects wrong feeding. Not a drug, but Nature's own purifier. Coarse or fine granulated, also pulverized for soft feed. 50-lb. trial bag \$1.00; special price for quantities. Samples free. Viger's Coal & Wood Co., 434 20th St., Detroit, Mich.

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White Rocks, Pekin Ducks, White Guineas, S. S. Bantams, Bronze Turkeys and Peafowls from

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For the next 60 days I will sell my this year's breeders at half their value. Are you going to get some of this grand strain? First come first served. Get my prices for either cockerel or pullet mating. Please write just what you want.

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Hallock's White Wyandottes

won five out of six firsts at New York.
Stock for sale.

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write H. Beck, Ravenna, Ohio, for
mating circular. Breeding stock
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H. BECK, Ravenna, Ohio

Tunnel Siding Poultry Yards FOR SALE

And over 100 fine Rock breeders and 900 chicks
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Last year's breeders for sale at reduced prices.
Also a fine lot of show birds fit to win in any
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500 Buff Rocks

The best we ever raised. Will be ready for
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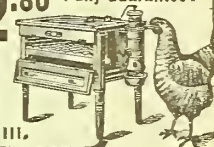
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ever offered, a forcing feed, a conditioning feed and a
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Send me your name and address and I will send you
my formula for a treatment that cured me, has
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200-Egg Incubator For \$12.80 Fully Guaranteed

The wonderful simplicity of the Wooden Hen and the greatly increased
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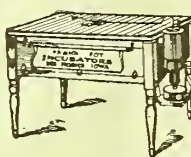
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Acknowledged everywhere the world's greatest laying strain; unequaled in standard qualities.
Without question the most profitable strain of poultry in America today. 1000 extra choice
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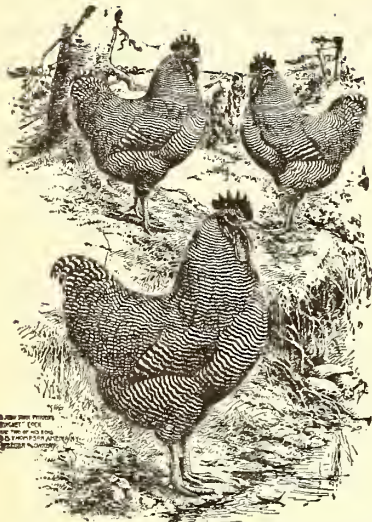
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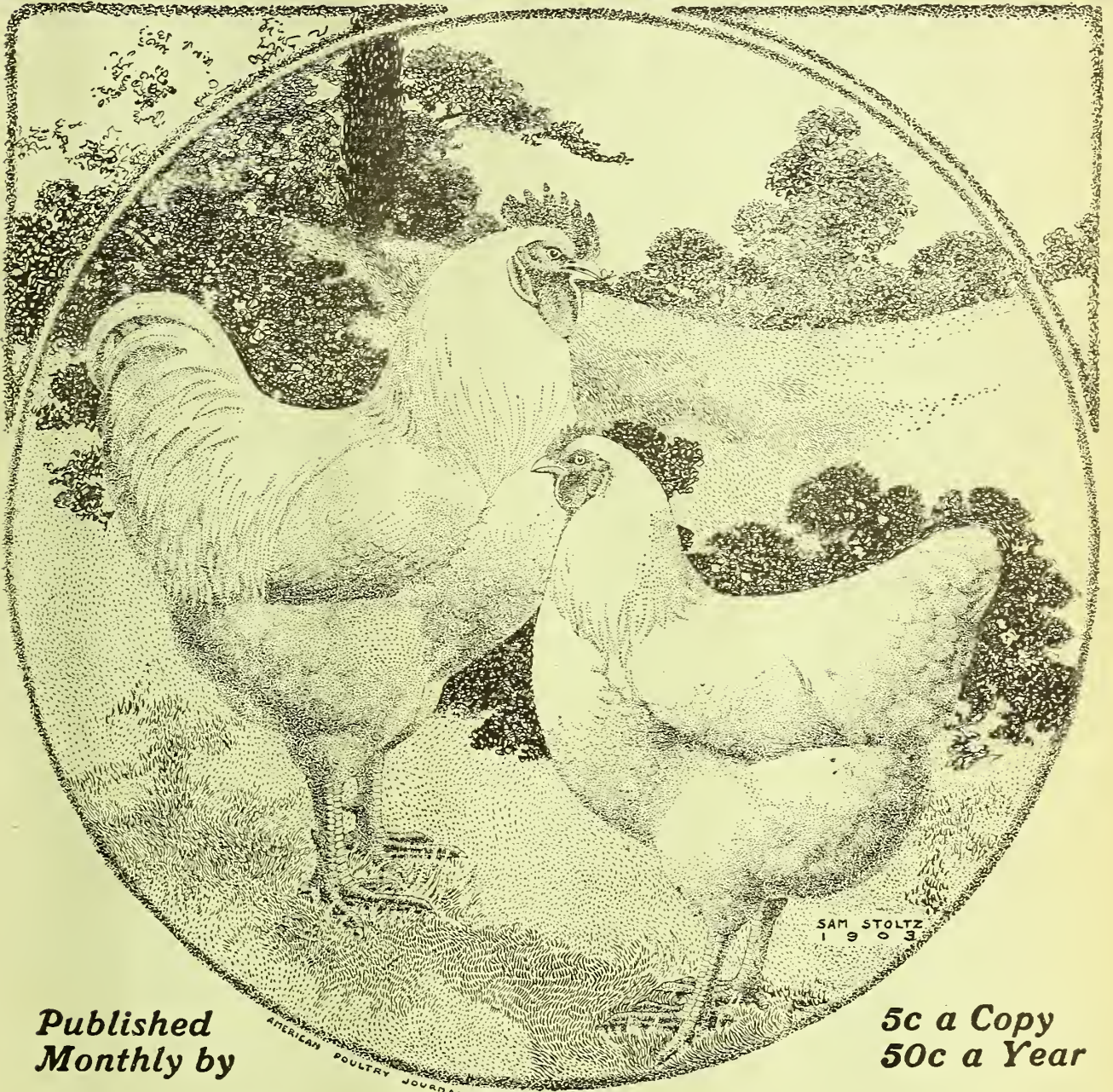
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AMERICAN POULTRY JOURNAL

Vol. 36

September, 1905.

No. 9.



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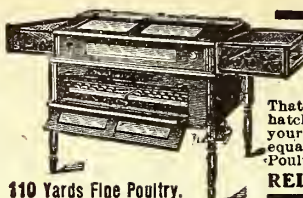
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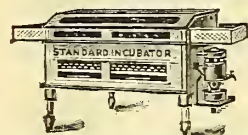
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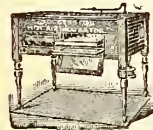
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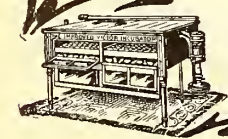
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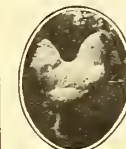
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Partridge and White Wyandottes, Mammoth White Holland Turkeys and Imperial Pekin Ducks. Our birds are winners at Chicago, Cleveland, Indianapolis and Illinois State Shows. We have three yearling and two young toms at \$5 each. No females. Eggs \$2.50 per 15, \$5 per 40. Turkey eggs \$5 per 12. Write your wants. We guarantee satisfaction or return money.

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Washington, N. J.

American Poultry Journal

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

Vol. 36.

Chicago, Ill., September, 1905.

No. 9.

ORIGIN AND HISTORY OF THE BREEDS

The Source of the Various Varieties of the Cochín Family—Found in a Crude State Throughout the Chinese Empire, and Bearing Several Local Names—Were of Several Colors and Carried Both Single and Pea Combs—The Present-Day Cochín a Fowl Possessed of Scarcely a Characteristic of the Original Type—How the Breed Characteristics Have Been Fixed—Popularity and Good Points of the Breed—Especially Desirable for the Cottagers—Unsurpassed as an Exhibition Fowl

Paper No. 2.—Buff, Partridge, White and Black Cochins.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal

In 1843, at the conclusion of the war between England and China, the northern part of China, including Shanghai, was thrown open to the vesselmen of Europe. This was the beginning of a new era in the poultry business of England and America. The Englishman, always a fancier, was quick to appreciate the worth of the Chinese fowls. Fowls of such size and color markings had never before been seen by the vesselmen, who lost no time in making purchases and taking the new and wonderful fowls to England and India. Among the first lot of these fowls taken to England was a consignment which was presented to Queen Victoria, in 1843. It may have been the importer's love for his noble and gracious sovereign, or maybe it was a shrewd business calculation which prompted the presentation to the Queen of these rare fowls. If the last named motive prompted the gift, it was indeed a wise business calculation. The fowls created a great sensation. We are told by Tennan, in 1856, that "the poultry world went stark mad. Fabulous prices were paid for specimens of the breed. A dozen Cochín-China fowls sold for as much as a good farm was worth." Saunders said, "a cock and two hens were thought to be cheap if bought for less than \$250." Avil reported a sale of two males and four females at 240 pounds, English, or about \$1,200. Queen Victoria, seeking to confer a blessing upon her people, saw to it that all eggs from her yards were placed in proper hands, that the breed might be extended throughout the land. The Queen's fowls were portrayed in the *London Illustrated News* of December 22, 1843, this being the first illustration of the Cochín-China fowl given to the western world.

Mr. Tegetmen, the noted English authority, questioned the appropriateness of the name Cochín-China, holding, and seemingly with correctness, that they were a variety local to Shanghai. He says:

"As in the case of many other varieties of fowls, Cochins are known popularly by a name to which they have no claim. Robert Fortune, who passed many years in various parts of China, says: 'I firmly believe that what are called Cochín-Chinas and Shanghais are one and the same. One thing is certain—the breed you have in this country (England) are plentiful in and about Shanghai.' They were discovered after the war, and frequently brought to this country, and taken to India by captains of trading vessels. Was not this the date of their introduction to England? And what grounds has anyone for supposing they ever saw Cochín-China? It may be thought that this variety might have been earlier known, owing to our long established commerce with Macao and Canton, but Mr. Fortune says this is a breed little known in those warmer parts of China, and that, in fact, the southern Chinese were as much struck with the size of the breed as we were. He adds: 'The Shanghai breed seems to be more common about Shanghai than anywhere else in the north, but I found it over all the low country of that part of China. The southern breed has long

been well known to sea captains and English residents, but there is nothing very marked in their character.'

"Having stated the date of introduction and the place from whence they were derived, Mr. Fortune informs us as follows, respecting the characteristics and treatment of the birds as they occur at Shanghai itself: 'The Shanghai breed occurs both with feathered and unfeathered legs, but more frequently with unfeathered. The most admired kinds are the game-colored ones. However, I am safe in saying that the Chinese do not attach as much importance as we do to purity of color. Large size and large eggs are what they most admire. Although it is certain that the Shanghai fowl is frequently met with in its native district with unfeathered legs, even more frequently than with feathered or booted legs, nevertheless, in our country, fashion has decided most imperatively in favor of the feathered leg birds, to which alone prizes are now awarded at our poultry shows.'

"In accordance with the facts that these birds were imported from Shanghai, and were comparatively unknown in Cochín-China, it has been thought by some writers desirable to endeavor to correct the popular, but erroneous, name of Cochín, and to substitute that of the port from whence they were originally obtained. But the effort has not been crowned with success, and to a large majority of poultry breeders they are known only as Cochins."

Mr. Geo. E. Haight, traveler, fancier and writer, visited China and the Straits districts, and thus wrote a decade ago:

"I believe I promised in my last letter to let you know if I found anything new in Southern China in relation to poultry. Although there are no distinct breed of fowls bred or known in China by the Chinese, there are yet a great many specimens to be seen in all parts of the empire, and so closely do they resemble each other in general appearance that it is quite difficult to understand why distinctions should be made; but I find that the different names of all Chinese fowls have been given them by the different foreigners who have brought them from various places in Asia, and that if they have procured them at Shanghai they have called them Shanghai fowls (red, gray, buff, as the case may be), and if from Hong-kong, the Hong-kong fowls, and so on, until we have a dozen or more different names for the same variety. They differ in some minor detail, it is true, for no two can be found of exactly the same color. Some are a chestnut color, others darker, and some quite light, yet they can all be seen in the same yards together, bred at random, and producing many different colors; but in size and shape they are about the same, and are known simply as Chinese fowls.

"In various parts of China (and intermixed with other fowls) can be seen a large, faded, buff-colored fowl, the male bird being a light buff with black penciled neck-hackle, dark wings and black tails with a greenish cast. Some of them have single combs, others resemble the pea-comb. Their legs are yellow and well feathered. The hen is two or three shades lighter (in fact, almost white), and has a heavy body, short, yellow, well-feathered legs, black hackle, dark gray wings and tail. These fowls will weigh about eighteen or twenty pounds per pair. From fowls of this description I am convinced the Light Brahma originated. I have talked a great deal with old residents of China, some of whom know what our Light Brahmas are and have seen and raised them, and they all agree that they came from the fowls I have described. I am convinced that Dr. Brown was the first to notice them in China, and to keep them separate as far back as 1840, and that he was one of the first (if not the first) to introduce them in America when he left China on a visit to his father in Connecticut in January, 1847, bringing a number with him.

"There is an impression in the minds of many breeders at home and abroad that all our present varieties of Cochins are descended from the original Cochín-China fowls sent by the British ambassador from China to Her Majesty, Victoria, of

England, in 1843. This is hardly possible, for the Queen did not exhibit her Cochins until April, 1846, at the Royal Dublin Agricultural Society, although prizes were offered for Malays and other Asiatic breeds at the London poultry show, held at the Zoological Gardens, London, in 1845. Between 1843 and 1846 several private purchases were made from ships coming from Chinese ports. Sir Richard Ansley O'Donnell, of Newport, Mayo, Ireland, had, in 1846, a nice flock of deep golden buffs with small single combs and wattles, black penciled hackles, short, black tails, smooth, yellow legs, large size of body and slightly tapering to the tail.

"At the same time William Mairs, a Scotch gentleman living two miles from Newport, had a few Chinese fowls, known afterward as Gray Shanghais. Our informant, Joseph Wallace, while temporarily residing at Newport, received a present of the Shanghais, and many a time, with young Sir George, they tried the mettle of the buffs, as they were pugnaciously inclined. The buffs possessed the same general characteristics as those bred by J. Joseph Nolan, of Dublin, to whom Lord Heytsbury, Lord Lieutenant of Ireland, gave the first pair that were presented to him by the Queen in 1846. The Gray Shanghais were more rangy in form, the feathering soft and loose, and a few downy feathers appeared on their legs.

"In connection with the Royal Cochins-China fowls, it may be surmised that the original stock was in the hands of others besides those of her majesty before 1846, though Mr. Dickson, the English poultry author of that time, in his work, published in 1847, makes no allusion to the Queen's fine fowls. This strange fact is accounted for by an old English fancier, who says that Mr. Dickson's work was prepared several years before the advent of the Queen's Cochins-Chinas, and that owing to the delay of publication, absence and sickness of the author, it went to press without mention being made of these rare and grand fowls, for, on no other reasonable grounds could such palpable inadvertency be excusable."

Thus rests the case of the origin of the Cochins. The facts are clearly shown.

THE PRESENT DAY COCHIN FOWL.

America and England each has its type of Cochins. These types differ greatly in form and feathering. American fanciers fancy the short legs; full, soft, fluff and hock; full, round breast and the forward carriage. The English demand that the Cochins be a fowl of long legs; long, stiff vulture hocks; flat, high carriage breast.

As has been shown, the Cochins, as they came from China originally, were of various colors and shades—red or cinnamon buff, brown or partridge, pale or lemon buff. The White and Black Cochins were received several years later.

Crude, indeed, were the original Cochins. Out of chaos the fanciers have brought and perfected the beautiful Cochins of today. We of the present generation owe these faithful, earnest, skillful fanciers a very large debt of gratitude. Let us guard well their handiwork. It is a valuable heritage. It is our duty to preserve the priceless legacy.

The American Standard of Perfection recognizes the following varieties of Cochins: Buff, Partridge, White and Black. The Buffs are the most popular, being the most extensively bred and exhibited, followed closely by the Partridge variety. The Whites, once very popular, for a time in retirement, are again being bred and shown to a considerable extent. The Blacks have never been as popular as they deserve to be, the introduction of the Langshan being a severe blow to this variety.

The Pea-comb Partridge Cochins, originated in 1871 by Mr. Chas. F. Edmonds, of Melrose, Mass. They were a cross of the Partridge Cochins and the Dark Brahmas. They did not meet with favor, and it is doubtful if any are in existence today.

BREED CHARACTERISTICS.

Standard weight for Cochins, other than Black:

Cock, 11 pounds; cockerel, 9 pounds; hen, 8½ pounds.

Disqualifying weights: Cock not weighing 9 pounds; cockerel not weighing 7 pounds; hen not weighing 7 pounds; pullet not weighing 5 pounds.

Standard weight for Black Cochins:

Cock, 10½ pounds; cockerel, 9 pounds; hen, 8½ pounds; pullet, 7 pounds.

Disqualifying weights: Cock not weighing 9 pounds; cockerel not weighing 7 pounds; hen not weighing 7 pounds; pullet not weighing 5 pounds.

The Standard Cochins is a massive, full-feathered fowl, with dignified carriage. The body of the male should be broad, deep and well rounded from point of breast to abdomen; from breastbone to tail, broad and well rounded, depending more on length of feathering for fullness than on muscular development. Back, very short and rounded. Legs set well apart and very short. Comb, single, upright, five points. Wattles and earlobes, red.

The female should correspond in a feminine way with the male, being shorter and rounded, presenting a deep, plump appearance.

The Buff should be a clear, golden buff throughout in plumage color. Few there are, however, which do not show some black in wings and tail. This is not as objectionable as white, which is found in tail and wings and undercolor of some buffs.

The White Cochins should be white throughout. In Black Cochins the plumage should be one uniform, lustrous beetle-green shade of black on the surface, with sound undercolor to skin.

Mr. W. H. Harrison, Jr., Toledo, Iowa, who is closely identified with the production of the modern Partridge Cochins, responds to our request for a few words regarding this member of the Cochins family:

"It has been a pleasure to all lovers of the beautiful to watch the wonderful improvement of modern Partridge Cochins as they have been developed by American breeders during the past ten years. It has been no easy task to evolve the full-feathered, low, blocky, rich mahogany red females of today from the close feathered, high stationed, light brown, clay-breasted, lemon-hackled hens of a dozen years ago, or to change the males with their lemon hackles, their long legs and close feathers, to the present day ideal cock birds, with their short, shanks, broad, low bodies, with feathers as fluffy and as long as those of their buff brothers, and with hackle and saddle with dark red tips and edges.

"There are breeders who still cling to the old style Cochins, but they have to sell their stock at farm prices. We now only occasionally see a ribbon on the pen of a Cochins of the old type.

"There are few varieties of standard bred fowls that will attract so much attention in the show room as strictly modern Partridge Cochins. The Partridge Cochins male should have breast, body, thighs, shanks and tail of rich black feathers, with a green sheen. The saddle and hackle striped with greenish black, tipped and edged with deep, rich red. The back of deep brownish red. The females should present an almost uniform shade of rich mahogany red all over, with the exception of the black tail, which is almost hidden with the long cushion feathers, and the hackle, striped with black. Each feather should be penciled with not less than two bands that conform to the shape of the feather. The best penciled specimens will show three, four and even five perfect bands of black or dark brown penciling. The hackle should be tipped and edged with rich red."

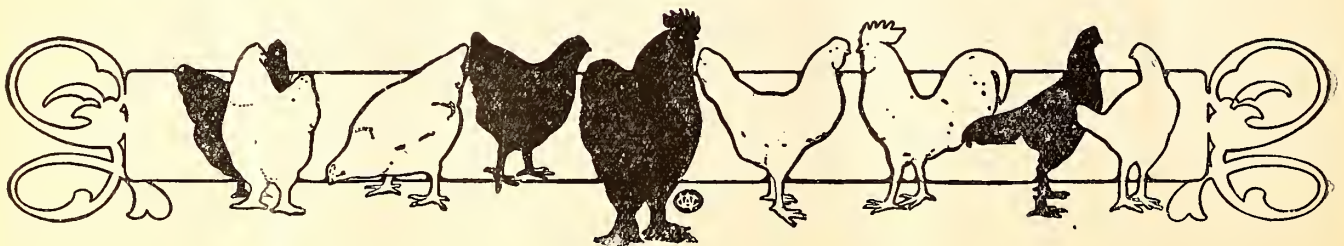
AS BREEDERS' AND FANCIERS' FOWLS.

The Cochins is highly prized on account of its ability and disposition to yield a goodly number of eggs during the winter months. As a market fowl they are not commercially rated as among the most profitable. In the very nature of things a Cochins is slow, comparatively, in maturing.

For the cottagers the Cochins are especially desirable. They are restful, contented and easily confined and handled. They yield a bountiful supply of eggs and meat for the table.

As an exhibition fowl they are unapproached. No other fowl can compare with a typical Cochins in show room attractiveness.

Eggs for hatching and breeding and exhibition stock are in great demand, and at prices far in advance of that secured for eggs and stock of many of the other breeds and varieties. There is pleasure and profit in the breeding of the Cochins.





THE INCUBATOR MANUFACTURERS AND MEMBERS OF POULTRY PRESS ASSOCIATION.

1. Resting in the shade. 2. Off for a ride in the gasoline launches. 3. Around the festive board. 4. Cooling off.

During the recent meeting of the Incubator Manufacturers and the National Press Association at Indianapolis, the members were entertained by Messrs. Hughes and Pierce, at Broad Ripple, a beautiful summer resort near Indianapolis. The above photos were taken during their sojourn by the waterside and speaks louder than words of the delightful time they had. This illustration furnished by courtesy of Theo. Hewes.

Monthly Prize Article Department

We would like to have all of our readers compete for the prizes offered each month in this department. Send as many articles each month as you desire. For the best article we will pay \$3.00 and for the second best \$2.00. Make your communication about a column in length, which is about 600 words. They should be timely and appropriate to the season. Articles describing appliances and houses and accompanied by rough drawings are especially desirable. All the communications must be accompanied by a letter stating that they have been sent in for competition in the Prize Article Department. All articles must be written on one side of the paper only. Articles received after the 15th of the month will be too late for competition in the month following, but will be entered the next month. No manuscript will be returned, but all who send meritorious articles will be given a year's subscription to AMERICAN POULTRY JOURNAL, whether the article is published or not.

The first prize in the contest this month has been awarded to G. I. Armitage, Hopeville, Iowa, and second prize to A. H. Kirk, Orange, Va.

EVERY MAN OF BUSINESS SHOULD HAVE SOME SIDE LINE.

Every business man or woman should have some "side line" to be followed for profit possibly, and certainly for pleasure, something to which they can turn from other worries and find recreation and pleasure. Poultry has been my recreation for some time now and in it I have found not only pleasure but profit. But to be profitable it must be followed persistently, not intermittently, but to a lover of fowls the pleasure is great, and to the novice the study is extremely interesting.

When I contracted the fever, sometime since, I decided to go slow, so when making my list of journals for the next year I added two or three poultry journals and began the study at odd times, and here is where I got my first surprise. The teaching of those journals was wonderful in its variety and, to say the least, puzzling to the novice. Here a man advocated dry feed alone; perhaps, according to the next man's view to use that method was to court certain failure. There was the advocate of the warm house, the cold house, the curtain front, large house, small house, colony house, and so on to the end of the chapter.

Now, this does not mean the teaching of the journals was not good. Not by any stretch of the imagination could you come to such conclusion. I did not throw the journals away, order them discontinued and quit in disgust before I had begun, although, I confess, I found many things puzzling to the novice at first.

Right here is where you write success or failure in your undertaking. Your ability to discriminate, to select the good from the bad, the wheat from the chaff.

If you are sick and the doctor called he does not give you all the medicine in his case, but selects that which will be of value in your particular case. To carry the illustration farther: Here is a man breeding Barred Rocks. He tells you they are unequalled. I breed White Wyandottes and am so well pleased that I can see nothing else, while you may be an enthusiastic breeder of Leghorns, and that does not mean that either of us have made a mistake. Taking into consideration our environments, temperament, likes and dislikes, each of us have the best.

Just so in winnowing the wheat from the chaff of our poultry press we must take into consideration our environments, whether the theory can be used at all under our peculiar conditions, for the conditions under which we labor are peculiar to ourselves. No other worker in the fields of poultry culture has the same condition to meet that we have.

Having decided that it has value, we must next take into consideration the enthusiasm of the advocate, for all advocates ought to be enthusiastic. It takes enthusiasm to convince; in fact, if the theory you are considering did not have an enthusiastic advocate behind it you would probably never have had it under consideration.

Having given due consideration to that point, we must next consider whether it is better than the method at present used. Next the cost, if any, and the probable returns. Having considered it from all its bearings, then consider the evidence in its complete form. Perhaps it will cost more, but if the returns are increased it may still pay to make the change. Give all the evidence due consideration and use your judgment.

Treated in this way there are not many theories advocated, particularly if advocated by a number of men (for you can lay it down as an absolute rule that where you see a number of men honestly believing in one thing, there is some truth in it; it may be only a grain of truth in a large amount of chaff,

but it is there if you have the patience to search for it) but what has value.

So I would say, in conclusion, use the poultry journals, and if you do it intelligently they will be of very great value to you. True, there are some untruths in the journals. Men with axes to grind promulgate untried theories, but, in the main, they have a basis of fact. I now receive nine poultry journals, and all of them more than pay.

G. I. ARMITAGE.

Hopeville, Iowa.

CAPONS ON THE FARM.

At this time of the year most farms have a great many young cockerels on hand that would bring but a little if sold, and if kept will be a menace to the growth of the pullets and quite poor eating if kept till all are eaten.

Now, if these same cockerels were caponized they would be as quiet as the pullets. They would bring a fancy price next winter, when fully grown, or they would be fine eating for the family during the winter, and after the first capon was eaten there would be mighty few coarse, tough, young roosters used on the table of that farm.

Most farmers attend to their own calves and pigs. Why not their cockerels? There is more money in the latter, when care and feed consumed is considered.

None of the smaller breeds, such as Leghorns, Games, etc., pay to caponize, except for home consumption, but any of the Asiatic or American classes make fine capons, as they can be made to weigh from eight to twelve pounds, and weight is the object to aim for in capons for market. The more you can make them weigh, the more you get per pound for them.

Any manufacturer of caponizing instruments will send you instructions on how to caponize, and after carefully reading them over several times, so as to be familiar with each step, and a little practice, you would be surprised how simple the operation is and how quickly it can be performed. Any season of the year will do, though I prefer May or June and September or October.

After purchasing your instruments select your chicks (not over six for the first time), and confine them in a clean, light coop for at least twenty-four hours, without food or water. They should be about eight or ten weeks old, weighing two or two and one-half pounds, and their combs just nicely started and beginning to get red.

For your operating table use a plank, on horses, about waist high, with two holes bored into the plank, through which your cords (I prefer light straps), holding wings and legs, drop, and to which are attached your weights.

Have your instruments spread out on one end of the plank, with caponizer threaded and a dish of water on the other. Lay the chick on the plank on its left side and securely fasten wings and legs. Dampen and pick the feathers from in front of the thigh joint, and with the knife make a cut about one inch long between the last two ribs; slip the spreader in, prick open the thin skin you will see, and if the intestines are empty the testicle will be seen next to and attached to the backbone. This you remove, cords and all, with the caponizer, being careful not to rupture the artery just back of it. Turn the chick over and go through the same thing to get the other testicle.

The cuts will heal quickly and if you intend giving free range at once, punch the web of their foot with a poultry marker or harness punch. Let them have range until about two weeks before selling, then confine in a small yard, or crates, and fatten.

The following is my experience last year with some late hatched Buff Plymouth Rock cockerels that I did not care to sell as breeders, and if sold at market price, would have brought about twenty cents each.

They were caponized in September, permitted to run with my laying hens during the winter, having the same feed, and were sold the 1st of February for nineteen cents per pound, live weight, and averaged eight pounds each. Did caponizing those cockerels pay?

A. H. KIRK.

Orange, Va.

The breed which you like best is the one which you will be most successful with, for the reason that you will be more interested in the work and will give it closer attention.

Do not keep too many fowls in a pen; it is far better to cull down closely than to do this, for a smaller number will do so much better.

The man who makes a failure in poultry keeping can blame only himself. Treat the fowls right and they will treat you right.

THE SCRATCHING SHED HOUSE.

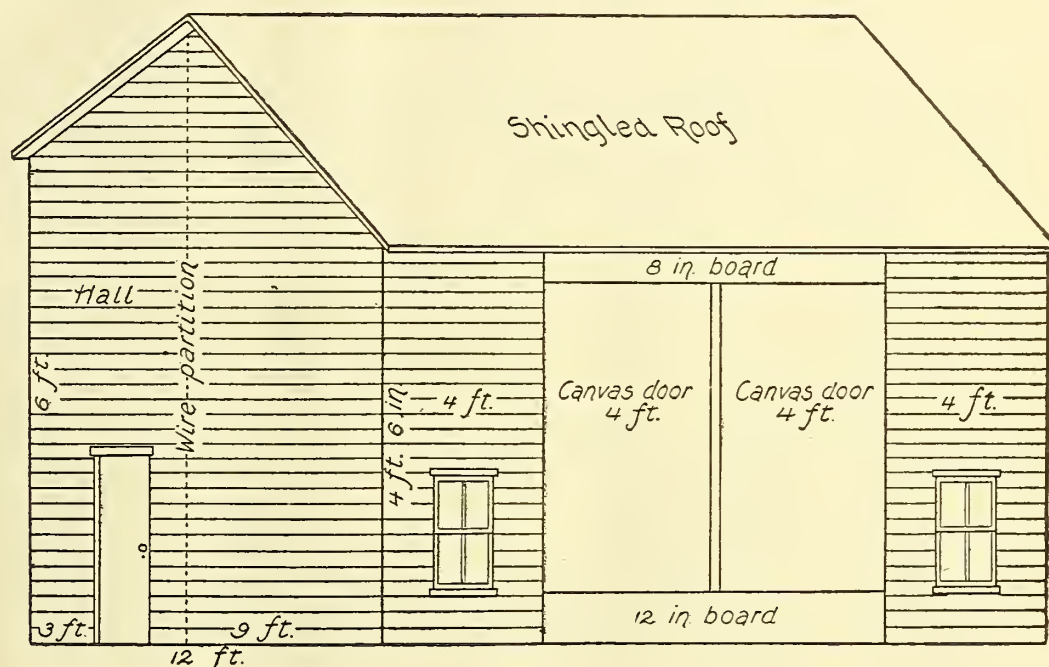
A Strong Argument in Favor of the Curtain-Front House for Both Winter and Summer Use.

It would scarcely seem necessary, in view of all that has been written on this subject, to say anything more, but I find so many through the country that never saw the open scratching shed, and I also received an inquiry from West Virginia, in reply to my article in last March's AMERICAN POULTRY JOURNAL, asking what it is, so I have decided to make this article, as near as I can, explanatory to the title.

There are numerous plans, differing slightly in makeup and detail, but the general principle is the same—an open front exercising room for the fowls; these are accompanied by a closed roosting room. I give herewith a sketch of the one I now have in use, also a proposed new one I want to test as soon as I can get it built. This (last) plan is original with me, that is, I never saw nor read of a similar one, but from experience (what counts!) I believe it will be, not only economic in construction, easy to care for the fowls, etc., but I also believe it will be the greatest health promoter possible to have. This needs no "roosting room accompaniment," as the one room is all combined. Roosts will be in north end, away from possible drafts, and nests will be up from floor, for warmth and room, water dishes will be on a shelf about six inches from floor, in wire partitions, so one dish answers

a cold, "swelled head," roup, nor any other sickness among her fowls these two winters, and they have been the most severe ever known here in this severe climate, and I think they also layed quite well—much above the average in this locality, I am positive. There was not a frosted comb, either, although the old cock bird froze his wattles some, from getting them wet drinking. And still I have heard "Wyandottes are a tender breed!" If a breed can endure this kind of treatment through over three months when the thermometer sometimes drops over 30 degrees below zero and snow four feet on the level, and is "tender" I want to see some of the *hardy* ones.

The second winter I had my shed I kept a pen of White Wyandottes in it day and night. I thought it pretty cold, but lacked room. I put up double burlap curtains, which were lowered at night, and in severe south storms the outside one—a thin one that admitted some light—was kept closed. These fowls were *perfectly healthy* all winter and next summer as well, layed all winter, not a frost bite, and seemed perfectly happy and contented, except their feet got cold. I find a fowl—the American class at any rate—need their feet and legs protected much more than they do their heads. These are naturally cared for at night, but during the day, even when exercising, they suffer in this way if floor is very cold. It is hard here to keep the floors warm, as this is a clay (poorest kind) soil, and floors must be raised to secure dry quarters. Mine are board, on stone foundation, and are always cold in winter. I believe, when I build again, I shall try cinders, if I can get them. Mr. Cole banked mine very thoroughly last fall, and they seemed much more comfortable last winter. Of course,



for two pens. The drawing only shows one pen, but I intend to build two to four.

Previous to a year or two ago, if any one had proposed to me wintering fowls in this climate, in an "open roosting pen," I should have considered them "a little loony," to say the least (notwithstanding my experience, mentioned hereafter, which necessity compelled me to make, with a pen in the scratching shed), but I am going to be a *firm believer in pure air*—for poultry as well as humans—and I speak from experience and study. Until last winter I had never been troubled much with damp walls, from frost, as I had always kept doors open enough to dry out the buildings, but last season I raised a lot of fall chicks, so they moulted through the winter, and it was such a severe one, I felt compelled to keep the houses closed most of the time, on account of these poor, half-naked things, as my partitions are mostly open ones. The result was an epidemic of acute catarrhal colds (not roup) and houses damp and unventilated. I have *always* noticed the fowls kept in rather open buildings are the healthiest flocks I have ever known. While I do not believe in drafts of air, still I can cite a case where drafts did not cause trouble—but it is still a mystery to me why they did not. Three or four years ago I started a sister-in-law in White Wyandottes, and for two winters they kept them on barn floors, over stable, where it is not battened, and some pretty big cracks. She has not had

I keep *lots* of litter on the floor, which helps greatly toward warmth. Over 50 per cent of farmers, I think, provide no litter—except the accumulated droppings of months!

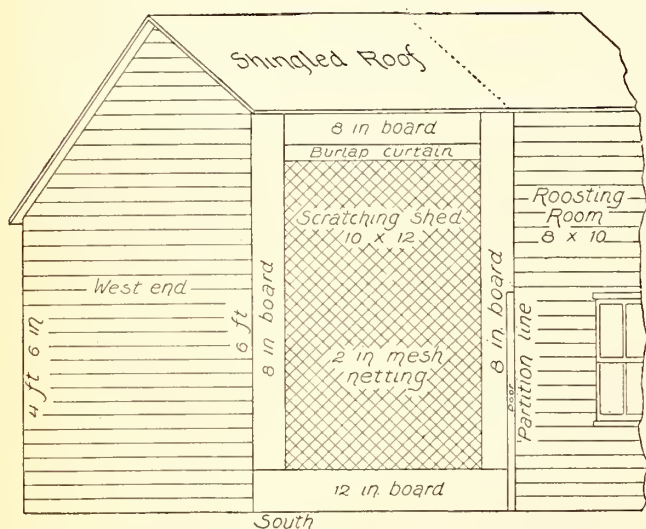
Visitors seeing roosts in shed would say, "You don't keep them here *nights*?" "Yes." "Well, I'll declare, and how red their combs are for winter! You certainly know how to care for them," etc.

I think this fall, instead of replacing my glass sash in roosting rooms, I shall substitute heavy muslin, but I shall be sure the rest of buildings are very tight, and I shall expect to winter a lot of healthy, profitable fowls.

Now, as to descriptions. No. 1 represents the present shed in use here, and needs no further explanation than sketch gives. It is surprising how many uses one finds for them. If I had several I could conveniently use all. During spring I use it for "sitting room;" it is very handy for this. I put a row of removable nests all around. As I hire strange sitters from neighbors, I can put them in here for a few days, and they have plenty of air, and room to dust, eat, drink, etc., while getting used to surroundings. Later it makes a fine "bed-room" for either adult or growing stock. This has a burlap (made from grain bags) drop curtain, but is not satisfactory, as a heavy south storm always drifts in on each end of curtain, as it is impossible to make it tight.

No. 2 will have sliding doors made of light frame and cov-

ered with tent canvas or heavy unbleached muslin. These can be "kept where they belong," and I feel sure will save much time, annoyance and work, beside being much neater. Of course, in this arrangement the entire front cannot be open, but as drawing shows, two windows, of glass, one on each side of door, to be raised on pleasant days. During south storms, when doors must be kept closed, these, with the muslin, will admit plenty of light to induce exercise. There *must* be lots of light, or hens will not hunt and work as they should, but too much glass causes frost to collect, with resultant dampness. With these doors and windows opened on sunny days the whole room will get its "sun bath" and fresh air galore, which means germ destroyer and cleaner. Note that the roosting room is *not shut up, dark and airless*. I feel sure there will be no trouble here with colds, and I also think the inmates will not suffer by cold. If I find it too cold nights I shall put up a drop curtain before roosts, to be lowered at night, but feel sure this will be unnecessary, even here. Although



our houses are cold enough frequently to freeze water over (warmed when given) in two hours, and an egg will sometimes freeze and burst in an hour after being laid, still I have never yet had a Wyandotte freeze a comb, and in this weather they "sing," work and lay, and I find those kept in the scratching shed are the greatest hustlers, and, of course, lay the best.

There is much more danger in keeping fowls too close than in giving too much air. I am more and more convinced of this. But there is *much* also in feeding to counteract the effects of cold, but as "that is another story," we will not touch upon it here. With proper feed, a rightly constructed scratching shed is a good winter quarter in any climate, and while I have never been south, it seems to me it would be ideal there. I think those who have never tried one would not be disappointed if they build one after my "new" plan. I should be pleased to hear from anyone using it, telling results. Of course it should *always* face the south; if this is impossible, then west is best for winter use, and east for summer use.

Winwood, Pa.

MRS. DENTON COLE.

The poultry business is not one that is suitable for invalids and people who have failed at everything else they have undertaken.

All poultry yards should have shade in them. Plum trees are excellent for this purpose.

Indigestion, resulting from improper feeding, is the cause of most diseases.

Cornmeal will give a golden color and buckwheat a white color to the skin.

When poultry is overfed it cannot be put in the proper market condition.

Don't move the layers more than is actually necessary, as it is apt to check their laying.

Market the sexes separately, be they dead or alive.

POULTRY ADVERTISING.

The Liberal Use of Printer's Ink the Best Method of Letting People Know What You Have For Sale.

Poultry advertising is no new thing. It is probably true that no other agricultural papers carry more advertising than some of the poultry papers. Certainly no live stock paper carries more live stock advertising than the AMERICAN POULTRY JOURNAL. It may, therefore, occasion some surprise when the writer gives it as his opinion that poultry advertisers have hardly begun to realize their opportunities. It is frequently remarked by those familiar with advertising in the agricultural papers, that live stock advertising is not up to the standard of other forms of advertising. It is said that live stock advertisers, as a rule, are not pushing their products with the skill and persistence manifested by other advertisers. Poultry advertisers may feel disposed to resent this and to claim that those engaged in the poultry business are quite as brainy and resourceful as most other people at least. Whether poultry advertising suffers in comparison with other varieties, is not so important, but as poultry advertisers it is, at any rate, important that we should improve our methods where they are faulty. My own opinion is that no other variety of live stock is so well advertised as fancy poultry, but there are very few good poultry advertisers. I believe that good advertising is the one great lack now in the poultry fancy. The few fanciers who advertise shrewdly, persistently and adequately, are already receiving excellent results. There is no good reason why others should not share in those results.

The purpose of advertising is broadly "to let the people know." This is all there is to it, but this includes a great deal. A mere statement in a poultry paper that you are breeding a certain variety of fowl, is not letting the people know to any good purpose. They want to know more than that. They want to know just how good your poultry is, what you have for sale, what proofs you offer that it is what you claim it is. It is a sufficient tax upon the ingenuity of any man to let all things be known so that those interested simply cannot forget what you want them to know, and we must let the people know if we expect to do business. That is certain. It is the foundation of all selling. No matter how good our chickens may be, no matter how anxious we may be to have people buy, they will not do so until they are convinced somehow that we have what they want, and that is advertising.

There are in general, two methods of advertising, first by exhibiting at the fairs and poultry shows; second, by the use of printer's ink, and in order to secure the best results, both are necessary. There are practically no other methods of letting people know, but the objection is raised, "It costs money to go to the poultry show, and to advertise in the poultry papers." I am quite well aware of this. It does cost money but there is no help for it. One must, of course, consider his financial ability, and there is such a thing as extravagance in advertising, and it is usually best for the average man to go slowly, but to say that it costs money to advertise poultry, is simply to say that the poultry fancy is a legitimate business. It is no illegitimate speculation. It is no "get rich quick," or "get rich easy" scheme. The same qualities that make for success everywhere in the business world count here also. It requires business ability. Something more than good intentions and good stock are essential. Legitimate risk must be run. It takes nerve to succeed in any line of business, in these times of fierce competition and it always requires nerve to do good advertising.

I have stated that the first method of advertising is to put your birds on exhibition at the fairs, but more especially at the poultry shows. In ordinary cases this is indispensable. It is a conspicuous way of letting the people know; though this is a matter of great importance it will not be necessary here to spend much more space upon it, though it is not usually what we mean by advertising, yet it is advertising of the truest kind.

The extent to which the showing of birds should be carried must be determined by each breeder's circumstances, by his means, by the quality of his birds, and by the amount of business he hopes to do. Some show purely for the satisfaction it gives them—for the glory, but we are writing from the commercial standpoint here, necessarily. It must be remembered that it costs a good deal of money to advertise at a show like New York or Chicago, on account of distance in many cases, on account of the high entry fee, and the expense of stopping in a large city. If one's birds are only of the average quality, it would not appear to be wise to exhibit at the largest shows, where there can be no hope of winning.

There are many minor shows where good birds are shown, and where your winnings and the score cards you receive may

do you great good. The returns are larger naturally, when one can exhibit to advantage at one of the national shows. At a recent New York show, one breeder sold \$1,600 worth of fowls; and at the last Chicago show, \$1,000 was received by one man for birds sold, and the writer is confident these figures have been largely exceeded.

There are many matters of importance connected with the exhibition of fowls, that we need not consider here, such as putting them in show condition, but there is one other matter, however, that should have careful attention, in order that one may get the best results from his showing. Cards should be printed, showing at least the variety the exhibitor breeds, and often other information, such as prices or past winnings, should be given as soon as the judge has passed upon your variety. These cards should be placed where everyone who wishes may receive one. The exhibitor should be in almost constant attendance in order to answer questions regarding his birds, and that he may make sales to intending purchasers. It is well also as soon as awards are known to have printed cards, showing winnings at the show. This is a method of advertising that combines the two general methods mentioned above.

The use of printer's ink is the chief method by which

fidently. If they are not so good as that, do not make that claim for them. Such a claim will do very little good in the end. It may bring you orders, but will not build up a good trade, and that is what you want. It is not necessary to tell others the details of your business, that is, you need not tell the whole truth, but let no statement you do not believe, appear in an advertisement. Lying in cold type is even more heinous than telling a vocal lie. Tell the truth in a striking way. The truth need not be prosaic. Nothing is so interesting as the truth, and nothing requires more ingenuity than to tell the truth in the most effective manner. A very important question that meets the advertiser at the outset is the paper or papers he shall use, and this must depend somewhat upon circumstances. What the advertiser wants is results, and he should use the papers which in his judgment are most likely to secure them. If one has only a small plant, and does not expect to do a large business, and has not the facilities for increasing his business, he should not, of course, advertise on a large basis. It is better in this case to use perhaps two papers, one which has a large national circulation, and if there is no such paper near him, the advertiser might use to advantage a smaller paper near him, in addition to the other.



W. L. FERN'S WHITE LEGHORNS

First prize cockerel, first prize hen, first prize pen at Elgin, Ill., December, 1904. Owned and bred by W. L. Fern, Elgin, Ill.

poultry advertising is to be done. This method also takes several forms: advertising in the poultry and other papers, circulars or catalogues and written letters. The use of the poultry press is the most available form of advertising, and is likely to bring the largest rewards.

Ordinarily it is not possible to do a profitable business with fancy poultry without using one or more poultry papers. Most fanciers appear to appreciate this fact, but the majority we are convinced are not making the most of their opportunities which are practically limitless. Strange to say, the first thing to do in advertising, is to tell the truth. This is necessary, not merely on moral grounds, but it is also good business policy here, as it is in the long run everywhere. Let the people know the truth about what you have to sell. The best ad is often the one that can tell the plain truth in the most simple direct way. This, with a good many professional advertisers, is the best definition of advertising.

If you think you have the best birds in the country, or if you think your birds are as good as any, say so plainly and con-

After deciding carefully the advertising mediums, it is essential that they be given a fair trial. Persistence is necessary to success everywhere, and in no field is the necessity more absolute than in advertising.

Advertising is like seed sowing. You must frequently wait patiently for returns. The trouble with beginners is that they usually expect to reap the harvest as soon as the seed is placed in the ground. Put yourself in the place of the man whom you hope to reach. You know that you would hesitate, at least, about buying from a new advertiser of whom you never heard before. This is perfectly natural. It is only after you have become familiar with the man's name and his claims and the proofs of quality furnished by the show room or otherwise, that you are likely to purchase anything from him. There are exceptions, of course. Occasionally a man succeeds in securing large returns almost at the start but you must not depend upon repeating these exceptional experiences. "It is dogged persistence that does it."

[CONTINUED IN OCTOBER NUMBER.]

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J. W. BELL, Associate Editor.

Subscription 50 Cents a Year—5 Cents a Copy of all
Newsdealers. Chicago subscriptions 60 cents (when
delivered by carriers). Foreign subscriptions \$1.00.

Look at the date upon your wrapper. Many subscribers write to ask when their subscription expires and many complain because we discontinue sending the JOURNAL at the expiration of the time for which it is paid. The date when your subscription expires is found on the wrapper each month.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide circulation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Advertising rates are sent upon request.

35,000 A. P. J.'s for September, 1905.

State of Illinois, County of Cook, ss.

Chicago, Aug. 24, 1905.

James W. Bell, manager of the Recorder Publishing Company, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding thirty-five thousand copies of the September, 1905, issue.

JAMES W. BELL.

Subscribed and sworn to before me this 24th day of August, 1905.

BLANCHE ELDER EDDY,
Notary Public.

GUARANTEED SUBSCRIBERS.

To our subscribers the display advertisers of the American Poultry Journal are guaranteed; that is, if any advertiser using display space in these columns is proved to be a swindler, the American Poultry Journal will make good to the subscriber the amount lost. We do not guarantee that men in good standing shall agree in their opinions; we do not guarantee nature against infertile eggs, but we do agree that in case a downright swindler succeeds in swindling a subscriber, we will reimburse that subscriber and publish the rascality of the swindler. We ask, in consideration of this guarantee, that our subscribers, when writing to an American Poultry Journal advertiser, say, in every case, "Saw your ad in the American Poultry Journal." In no case will this be to your disadvantage, while in many cases it may serve you well. In either event we shall be obliged to you.

Light Wanted.

The dreaded malady commonly known as "going light" is what delvers in hen lore term with scientific exactness, tuberculosis. Tuberculosis is very deadly and multiplies rapidly when the flocks are housed in damp rooms, cold, ill smelling basements and underground hen-houses. It takes but a short time for tuberculosis to get its fangs deeply rooted in a fowl's lungs. The only cure is prevention. Prevention means fresh air, sunlight and clean quarters where odors never meet one on entering the door. If cows can convey tuberculosis through their milk to consumers of it, why not the hen? Some of the investigators could well turn attention to this topic. Of course the general farm hen whose cover is the blue canopy of heaven and whose shelter is a barbed-wire fence does not have tuber-

culosis; she cannot afford the luxury nor could she have it. The fresh air is a repellant; and besides, she needs her strength to fight the daily battles that confront her forages for waste grains. Tuberculosis is not an every day or every flock disease but there is plenty of it about nevertheless. It should have as thorough investigation as the dreaded roup.

Essay on Quitters.

There are a few classes of Quitters in the realm of the fancy which it would be well to enumerate before entering into a further discussion of their likes and dislikes. The Quitter stands out prominently; then comes the Knocking Quitter, the Quitter who let discouragements stop him, the Quitter whose money gave out, and the moneyed Quitter. There must be a standard, illustrated we think, among the old books in our unused library for the classification and searing of Quitters. We have seen it recently but now cannot lay strong hands on it. Of all the Quitters, the Knocking species is the worst, speaking scientifically. His brain-pan has been scorched by rapid thinking and he has no more thoughts coming. His cerebro-spinal nerve is full of unnecessary twists and cross fires greatly with the pneumo-gastric nerve. Once he begins Knocking he hammers loudly and wants all who enter the ranks to hear the gentle (?) tinkle of his voice. He carries hammers around for other Knockers and at times will use them for one entirely without charge! His repertoire of vicious knocks is overflowing and no matter what sized audience greets him, he will knock the business till the listeners are none. Fanciers should pity the Knocking Quitter, and do their best to bolster up the others who chance to be near them. It is well for the discouraged Quitter that he stopped as soon as he did; the moneyed Quitter would never have made a success even if let to run the race to the end, this because he does not have to succeed with poultry; and the Quitter whose money gave out—he would overlook that our best breeders started on a small plan and made the hens do the earning! Pity him, also. But lookout for the Knocking Quitter! Polish up your armor and put in new rivets where needed; ward him off; let not his hammering dent your enthusiasm.

Trying Out.

There is a game chicken farm up in sunny, breezy Michigan, where every year at a certain season the fighters are allowed a go at each other—thus only the best survive and are bred from. It might aptly be termed a "trying out." And each show season sees the "trying out" process get a whack among poultrymen. Not all of us may be Belascos, Barrymores, Mansfields—in the fancy. Some have to sing in the chorus; others are property-men; some lead the ballet, and a few are at the center of the stage and generally in the gleam and shimmer of the foot and spot-lights. Earnestness, a righteous enthusiasm, a capacity for hard work—these are generally the characteristics that be plainest in the man who wins in the annual try-outs. If we lag 'mongst our labors, and these pile up until we cannot see over them, then we lose courage, and enthusiasm dies. The winner in the try-out faints not when the

duties of hedom present themselves. Constant try-outs make strength of character. By first mastering the small we gradually enlarge our capacities until "mountains appear as mole-hills." The small try-out makes us eager for the next one—and the path is strewn with them until we attain the top in our line. If we are game we win—if "punk" we lose. Are you preparing for the show room try-outs this season?

Ducks Can Lay Too.

The Australian Hen is an enterprising poultry journal and recently it started a ducks' egg laying competition. During twelve months from July, 1904, to June, 1905, inclusive, a pen of Buff Orpington ducks laid 1,326 eggs, there being six ducks in the pen. Twenty competitors and the public expected to see the Indian Runners win the test easily. The Runners did, however, win the highest average number of eggs in the year as a breed. The penning and feeding were such that any breeder could reproduce, and extreme care was exercised in the records kept. Blue Japanese, Rouens, Pekins, Runners, Orpingtons and Muscovies competed. Runners won the second prize with 1,315 eggs to their credit. This win of the Orpingtons has done much to boom them in their stronghold—Australia. We should have some educational tests like these at the various colleges of agriculture throughout the country. We have the birds and facilities; and the way is plain.

Pet Theories.

Where is the man who broke into print not so long ago, telling fanciers to place our ear near the left side of the hen as she was on the roost and that by listening closely we could hear the dull crunch, crunch of the gizzard as that organ performed its work? Our friend and fancier's exponent, Dr. E. W. Sanborn, who hails from near the seat of eastern learning, now comes forward saying that the gizzard is not to use in food grinding, and that all the food is assimilated by digestive juices peculiar to the hen. He says grit is necessary as a food—that is why the hens eat it. We cannot contradict either statement nor support them publicly but we rather incline towards what we have been taught, nevertheless! Howsoever all this is, the hen goes marching on.

Two Editorialesettes.

There was once a man who felt the value of sincerity about everything he did; and one day he became greatly interested in pure-bred fowls to such extent that he bought a breeding pen of them at a price nigh unto ten, big dollars. He hardly understood why they were worth more than ordinary hens when he bought them but his fancy ran riot and stampeded his purse. When he had them safely and comfortably housed he began to look into the why of big price—it was very big to him! He saw others buy birds for large sums and he intelligently studied the subject with a view to growing a few good birds himself. He began to see through the proposition and determined to invest something in a "sinking fund" if he found the basis of the pure-bred poultry in-

dustry on a rock bottom. He investigated; and saw quicksands, and dark looking pools in the sides of the channel to solid bottom. Poultry is ever a necessity; better poultry is a greater, he found. He discovered that quality has a large time in the fork that supplies demand—or makes it, rather. He found that showing would let most of the breeders know the quality of stock he was breeding; and that sane advertising would let more of them hear about it. He has endeavored in the last ten years to follow out the simple principles first discovered and today they place him first in his class. He placed a goodly amount of sincerity in his work and was rewarded accordingly. Sincerity makes friends, builds business, conquers weak and strong dangers, overcomes the element of doubt and proves a fancier to be a fancier. Loblolly and eternal bickering that keeps one hid from the goal of success should be ordered to the rear by true sincerity. When the goal is obscured the path is harder to travel and we easily get lost in confusion. More sincerity will lighten up the way; it always makes a more earnestness of purpose.

The other man we shall mention in this editorialette wondered how he could build up a better business in a state where but four or five shows were held yearly. He was too far from good shows to exhibit; and those about the home state were of no great importance and he did not derive enough business from them to suit himself. He sold a few hundred dollar's worth of birds and eggs annually and longed for a bigger business. The question was how to build up a larger interest in his state in pure-bred fowls. All this was five sweltering summers ago! He induced the superintendent of poultry at the big state fair to revise the list and offer bigger premiums, which drew twice as many birds as before. It resulted in creating quite an interest and the agricultural papers praised the big display. The breeders of surrounding states as well as local fanciers were urged to show their birds and compete against the hucksters for the prizes. And they discouraged these fellows coming further! The prizes on "best pair fowls, pair chicks," were discontinued and prizes on cocks, cockerels, hens, pullets and pens took their places. Then a state association was formed and our hero was instrumental in that though he held no office. This brought bigger exhibits than ever and by boosting one, boosting all, the association got things going lively. Local associations have sprung up and they hold their shows early and the state show late to accommodate all. There is a \$2,000 yearly business now staring the hero in the face this season—and all because he boosted, boosted hard, boosted long and all the time. He has done more than any ten men to make the poultry industry that the state boasts today but he is well paid. He had to create a demand; make a market by interesting and holding the public's attention. He made a good business

for others but builded well for himself, like the man whose ennobling influence goes to build up his personal character.

And this shows what some have to contend with! Are your difficulties as huge as his? Does the field you are working in need as much cultivation or is it ready for good seed?

Working conscientiously did the trick, eh?

A California store has opened the window campaign with a a brooder full of young quail. I guess the competitors will be kept busy now; eh?

Five thousand White Wyandotte eggs comprise the biggest order ever given to a poultry fancier. Mr. James J. Riley, of Montreal, gave this order to John S. Martin, Port Dover, Canada. The former has been studying the business and taken an extended course in the Guelph College of poultry culture prior to establishing a big farm for the production of eggs and fowls for market. If there was ever a bigger egg order we do not know of it.

* * *

South Africa, Australia, France, England, New Zealand, Germany, Russia, Italy and America have their poultry shows, yet here comes "little Doris" in the hood of Honolulu, creeping in on all fours wanting a place in the tent. This tawny island holds her first show the coming winter. She's welcomed into the fold.

* * *

Mr. H. A. Nourse takes the active editorial charge of the *Poultry Herald* after the first of this month. Mr. E. W. Rankin, the former editor, is too busy to handle this work as his time is largely devoted to *The Farmer*, published by the same concern. We extend Mr. Nourse every good wish.

* * *

The English press are using many illustrations of famous New York, Boston and other winners on their covers and for frontispieces. *Poultry* recently used a drawing of D. W. Young's first Boston Single Comb White Leghorn cock on its title page and the sketch made a tasty appearance, indeed. Geo. H. North-up's famous Rose Comb Black Minorca was used similarly and the editorial comment commended the Americans as breeders and exhibitors. The quality of birds shown yearly at New York, Boston, Chicago, Johnston, Trenton, Cincinnati, Indianapolis, Lincoln and Denver, not omitting Topeka, is very high and compared favorably with any in the world.

* * *

We greatly regret to chronicle the death of Mr. Harry Graves, of Higganum, Conn., whose demise on July 30, 1905, leaves many friends in mourning. Mr. Graves made his mark at one master exhibition of his White Rocks and the fancier of these birds in the East will miss him during the coming season.

* * *

St. Louis adds another hen glory to her bonnet in being the home of the Southern Egg Preserving Company which

Some of the Foremost Poultry Judges in America Have Pronounced my Catalogue of

AMERICA'S "BIG FOUR"

The neatest, most complete and business-like gotten up catalogue they have ever received. I use trap nests exclusively and know the ancestry as well as the unprofitable layers. Will send catalogue free to all who mention American Poultry Journal.

H. P. RANKIN

Box 61, Hartington, Neb.



Moulting fowls give a languid appearance to the poultry yard. The hens stop laying and mope listlessly about. Even the cocks are indifferent and taken altogether they're a ragged, lazy looking set. The poultryman's profits drop to the minimum while he waits for his fowls to get busy.

Moulting is necessary to the fowl's welfare—it's a time when Nature restores the birds to their full vigor and strength.

You can hasten the process and shorten the period of non-productiveness by supplying Nature with the elements needed to reinvigorate your fowls, by feeding

O-K Poultry Food

They need bracing up. They need help. Give them food that will create fresh vitality, renewed vigor and strength, that will give energy, and you will set Biddy to manufacturing fresh eggs in a much shorter time and at a rapid rate. They should have a conditioner that will tone up the system, make new, rich blood, and put fresh activity into the whole system. They need a food like

O-K-POULTRY FOOD

something that will put them on a profit producing basis. O. K. Poultry Food is a pure guaranteed conditioner—furnishes the needed elements for putting the egg-making organs in perfect condition. Aids digestion, restores health, vigor, vitality; keeps fowls lively and strong. A disease preventive that also cures Gapes, Pip, Roup, Cholera and Leg Weakness.

It will pay you to give O. K. Poultry Food a test during moulting time and see how fast the pale combs grow red; see the fluff fill out and the trim sprightliness—sure signs that there will be plenty of eggs in the nests before long. Sold by dealers. If they can not supply you, order from us direct. Send for free circular.

O-K-Stock Food Co.

408 Dearborn St., Chicago

W

has recently been organized there to "can" eggs. All the "poor" and "mediums" in the country are to be run through a test and the bad separated from the good (?). Churning processes make the added eggs ready for canning.

Will Purdy breaks loose again in *Poultry*, our English cousin, and tells its readers some really interesting information. He is down in Texas where the chicken industry is greatly different than in England. He smiles rightly at the American system of judging a fowl's shape when it is in the hand of the judge! There is too much of this done every season. A bird's shape should be scored and deductions made before it is taken from the coop when its whole carriage can be clearly seen. The new

Standard will help out on this wonderfully as then the ideal will remain permanent, its elasticity gone forever.

Poultry News, formerly at New Brunswick, N. J., has been removed to Newark, N. J. Mr. Paul F. Williams has formed a partnership with Mr. John Engel, Jr., who will act as editor and manager. There is a good field around Newark, N. J. The vicinity abounds in poultry farms and fanciers, so there is plenty of room for enterprise.

Judging by the reports received from all sections of the country this has been a fairly good season for the rearing of fowls and the amount of stock that will be available for breeding and exhibition purposes will be above that of the past

two seasons. The quality, so far as we have been able to learn, is above the average for this season of the year. From the way that inquiries are coming in to some of the breeders for exhibition specimens we believe this is going to be the banner year for this class of stock. The demand for market poultry is good, and prices have been high all season. The demand for strictly fresh eggs is away beyond the supply, and egg farmers have been reaping a harvest during the past year. Commission men here in Chicago inform us that it is almost impossible to get strictly fresh eggs, at any price, on the Chicago, Minneapolis or Kansas City markets. All this goes to show that the poultry business was never in a more prosperous condition than at the present time.

* * *

Our monthly prize article contest is proving very popular. Better try for one of these small cash prizes this month.

The list of subjects to write upon in our \$50 prize article contest covers a wide range and every breeder will find some subject with which he is familiar enough to write upon with a fair chance of winning.

* * *

October is a good month to start advertising those surplus cockerels. No use of feeding a lot of extra male birds when a small ad will dispose of them for you.

* * *

This is the month you should get busy on that article for our \$50 prize contest. Entries close Oct. 1st.

* * *

Keep the drinking vessels clean and sweet at all times, and especially so during the summer months.

—o—

THE SEASON'S CROP.

We have received a large number of reports from our advertisers as to their success in hatching and raising chicks this season. The majority of these report splendid success in rearing, but a great many have had difficulty in getting the chicks out of the shell, especially during the early part of the season.

Geo. H. Burgott, Lawtons, N. Y., breeder of S. C. Brown Leghorns, reports 340 chicks on hand, with 500 eggs to hear from.

L. B. Jennings & Son, Polk City, Iowa, breeders of all standard varieties, have 6,000 chicks coming along nicely.

H. A. Emmel, Mars, Pa., breeder of Light Brahmas, S. C. Buff Orpingtons and S. C. Brown Leghorns, has 500 very promising youngsters with which to fill orders the coming season.

Thos. F. Rigg, Iowa Falls, Iowa, the noted Houdan breeder, reports 923 White Wyandotte and Houdan chicks of unusual good quality.

J. E. R. Chilton, Dallas, Texas, the Black Langshan specialist, reports a fine lot of very early hatched chicks, which are rapidly approaching maturity.

Geo. W. Mitchell, Bristol, Conn., the well-known Partridge Cochins breeder, has about 150 very promising youngsters.

John Culbert, Braceville, Ill., has 500 very promising Barred Plymouth Rock chicks with which to fill orders the coming season.

Dr. C. M. Baskerville, Mt. Pleasant, Mich., the Partridge Wyandotte spe-



A Piano Box Will Do

Last month we announced something new in the brooder line and the number of inquiries we received is both particularly gratifying and evident we have put before the poultry raisers something they have felt urgent need of and something they will appreciate.

This month we have still another good thing to offer which we are equally enthusiastic over because of its unlimited utility and adaptability. We feel certain every one interested in poultry culture will hail with delight this novel hover.

Because of its wide range of usefulness we have named it the Prairie State Universal Hover, and if it had no other unusually advantageous feature this fact alone is sufficient to commend it as being far preferable to all other hovers now on the market.

THINK OF IT.

A hover you can use anywhere on anything in the form of a poultry house, from an organ or piano box to the most expensive colony house and at the same time depend upon it doing far better work. There is practically no limit to its adaptability and its construction is such that it can easily be attached.

It can be quickly removed from one house, box, building, or whatever it is attached to, to another after the brood has been given sufficient

start and thus utilized for a new brood. In this way it can be used to accomplish the work of four or five ordinary stationary hovers.

But this is only one of its economical features. In the matter of oil it is especially good. The fact that a small No. 2 Sun Hinge Burner will furnish adequate heat in the coldest weather is proof sufficient. In the matter of care, being fitted with a good regulator and thermometer, the time in maintaining even and correct temperature is reduced to the very lowest.

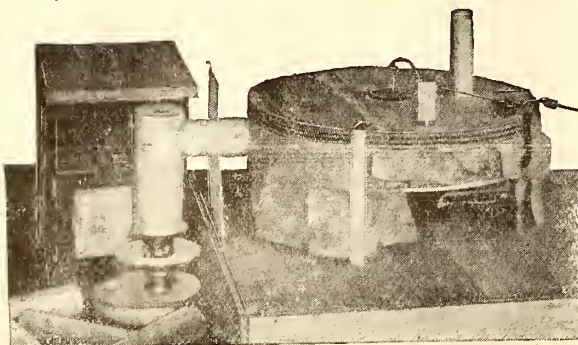
Any one can attach this hover. All that is necessary is to cut a hole in the house 6 x 11, put the hover inside and connect the lamp on the outside, and it is ready for use.

The lamp being on the outside it is convenient to get at to regulate and fill. It is fitted with a metallic chimney seven inches long, which insures steady, clear flame and heat. Around this is a fresh air pipe through which fresh air slightly warmed is supplied to the upper part of the brooder, then diffused downward through the felt curtains, furnishing a perfect system of ventilation.

We have subjected this hover to tests that were more severe than could ever be possible in regular use, and it proved thoroughly efficient. We wanted to be doubly sure that it would give perfect satisfaction under the most trying condition, and we were surprised how capably it did its work. We know you will appreciate it when you know its real merit, and request that you send right now for free circular giving full description.

THE PRAIRIE STATE INCUBATOR CO.

Box 468, Homer City, Pa.



cialist, reports 129 very promising youngsters.

D. T. Heimlich, Jacksonville, Ill., breeder of Barred and White Plymouth Rocks and White Wyandottes, has 675 youngsters of these three popular varieties.

G. H. Kinzel, Winchester, Va., breeder of S. C. W. Leghorns, White Wyandottes and R. C. R. I. Reds, has 621 very promising youngsters of these three varieties.

Joe Farmer, Flushing, Ohio, breeder of Barred Plymouths, has about 700 choice youngsters to dispose of. Owing to poor health, Mr. Farmer has decided to sell his entire business. This is a good opening for any one who desires to get a well established business at a reasonable price.

Henry T. Reed, Camp Point, Ill., the light Brahma specialist, has 200 choice young birds for the season's trade.

E. E. Vanatta, Vandalia, Mo., breeds S. C. W. Leghorns exclusively, reports that he has 1,100 fine youngsters, 248 of this number being sold at the time he wrote us.

Mrs. T. F. Leonard, Mt. Sterling, Ohio, breeds White Wyandottes, and has 275 very promising youngsters with which to fill orders.

F. S. & J. S. Gasper, Rudolph, Ohio, breeders of Barred and Buff Rocks and White Wyandottes, report that eggs hatched exceptionally well this season, and they now have about 500 fine youngsters on hand.

Geo. O. Anderson, Rushville, Ind., breeder of Barred Plymouth Rocks and Light Brahmas, reports 400 head of choice young stock for the season's trade.

Charles Benington, W. Burlington, N. Y., breeder of S. C. Buff Orpingtons, will have about 250 birds from which to fill orders.

T. R. McDonald, Winchester, Ky., breeder of White Plymouth Rocks, reports 300 young birds from which to make selections.

C. N. Hansen, Warsaw, Ky., breeder of R. I. Reds, has 500 head of young stock with which to supply his customers.

Edgar Poultry and Egg Farm, Richwood, Ohio, breeders of S. C. W. Leghorns, White Wyandottes and W. P. Rocks, reports 1,750 chicks of these three varieties.

H. O. Sears, Garden Prairie, Ill., breeder of Barred Plymouth Rocks exclusively, has 220 choice young birds as a result of his season's work.

A. Edward Green, Morgan Park, Ill., breeder of Buff Orpingtons, Buff Wyandottes and R. C. B. Leghorns, reports about 200 chicks of these three varieties.

Mrs. Tilla Leach, Cheneyville, Ill., reports about 200 fine Barred Plymouth Rock chicks from which to fill orders the coming season.

E. H. Gaines, Gaffney, S. C., has 275 nice White Plymouth Rock chicks which are rapidly approaching maturity.

F. Whaley, Cameron, Mo., breeder of Buff Plymouth Rocks, reports 252 strong, healthy chicks for his season's trade.

J. C. Fishel & Son, Hope, Ind., breeders of White Wyandottes exclusively,

has 1,000 choice youngsters as a result of their season's labor.

O. E. Michael, Dayton, Ohio, breeder of S. C. Brown Leghorns, reports excellent results in hatching and rearing his favorites this season, and now has a fine lot of young stock with which to fill orders.

A. H. Asche, Princeton, Ill., breeder of White and Black Langshans, says he is well prepared to fill orders for these varieties the coming season.

Wilber Bros., Petros, Tenn., breeders of S. C. White Leghorns, reports 515 fine young chicks that are rapidly rounding into shape for shipment.

D. S. Lovejoy, Elgin, Ill., breeder of Buff Cochins and Partridge Wyandottes, reports good success with his chicks this season.

W. C. Brookover, Carlwick, Ohio, breeder of Silver and White Wyandottes, has about 400 chicks of these two varieties for the season's trade.

W. H. Harrison, Jr., Toledo, Iowa, breeder of Partridge Cochins, reports 100 choice young birds as a result of this season's work in the poultry yard. Mr. Harrison says this is 40 more than he desires for the trade, but he enjoys eating a Partridge Cochin when they weigh three pounds or better.

C. P. Nettleton, Shelton, Conn., the Light Brahma specialist, reports 150 young birds to select from the coming season.

KANSAS LAYING CONTEST.

Nine months of the Kansas State Laying Contest, ended August 1, 1905, with the birds as follows:

PEN RECORDS.

S. C. W. Leghorns.....	706 eggs
R. C. R. I. Reds.....	696 eggs
R. C. W. Leghorns.....	666 eggs
W. Wyandottes.....	639 eggs
Buff Wyandottes.....	636 eggs
B. P. Rocks.....	519 eggs
L. Brahmas.....	476 eggs

INDIVIDUAL RECORDS.

W. Wyandotte....No. 4c11,	164 eggs
R. C. R. I. Reds...No. 3,	144 eggs
R. C. W. Leghorn..No. 6,	143 eggs
B. P. Rock.....No. 45,	141 eggs
S. C. W. Leghorn..No. 3,	139 eggs
Buff Wyandotte .No. 6,	138 eggs

BEECHER & BEECHER.

Proper feed and care during the next few months is what will make the prize winners next fall and winter.

Saves the life of many horses
Pratts Prepared Fever Powder.

Made by Pratt Food Co., Phila. Over 30 years old.



TRADE MARK

IT GRINDS WELL
AND
MAKES SHELL

Because Pearl Grit is always sharp no matter how small the particles become it's a perfect grinder. Because it contains eggshell-forming, feather-building, sinew-strengthening materials which the fowl's system assimilates and which rein vigorate and build up the physical organism, no other shell-making material is needed when you use Pearl Grit. This is

Proved by Actual Test

and by chemical analysis which shows that it contains all the essential properties of grit and shells. We guarantee it absolutely to take the place of grit and shells combined. It makes strong, healthy, prolific fowls; has no dust and no waste. Saves labor, time and money. At once a money saver and profit maker. If you raise poultry, you can't afford to be without

Pearl Grit

You will find it exactly as represented—a wholesome, clean, sharp, nutritive grit. Meeting every requirement of the practical poultryman, whose object is to secure the largest returns for his money. A trial will convince you. Write for prices.

The Ohio Marble Co., Sole Mfrs.
209 N. Wayne St. Piqua, Ohio



Study Fence Construction



Construction is important. Advance Fence is made with a continuous stay—thus preserving and utilizing all the strength of the wire, about half of which is wasted in fences with cut stays. Consider this and you will understand why Advance is stronger. Advance Fence has the most perfect provision for expansion and contraction. Advance stays do not slip. We use only the best grade of galvanized steel wire.

We sell on 30 days' free trial. If you don't like Advance Fence, and if it is not exactly as represented in every way, return it to us at our expense and get your money back.

Why not deal directly with the manufacturer and get wholesale prices? We pay freight to your station and guarantee safe delivery.

Advance Fence Co., 1367 Old St., Peoria, Ill.

What! not tried
Pratts Powdered Lice Killer?

Made by Pratt Food Co., Phila. Over 30 years old.

KEEPING HISTORY CORRECT.

Editor AMERICAN POULTRY JOURNAL:

I have been reading your article on Light Brahmas in A. P. J. There is one statement which I don't think quite right; that is, where you say in regard to Cochins shape of the Light Brahmas that the west will have none of it.

I know there have been in the past Cochins-shaped Light Brahmas shown in the east, notably at Boston, but at the present, or for some time, none are to be seen in the east, at least at our most important shows. On the contrary, at the St. Louis exposition last October I was surprised to see the squatty, Cochins-shaped Light Brahmas shown by your western breeders. I went to St. Louis expecting to see some choice Light Brahmas, but was sadly disappointed.

One western breeder who advertises choice Light Brahmas at long figures, had several birds at St. Louis, but not a single bird that I could call Brahma shape. To say that I was sadly surprised at the show of Light Brahmas by your western breeder don't begin to express my disappointment. I could not understand how it was that your western breeders showed no better birds.

I am sure the Light Brahma breeders of New England have been sending as good birds as they have into the west and how it was that your people did not show better birds at St. Louis I could not understand.

A Massachusetts man who knows a Brahma, although not a Brahma breeder now, came down the Brahma aisle and seeing me there made the remark that there was hardly a bird, with a very few exceptions, fit to show at New York or Boston. I like the cut of the male bird in A. P. J. for August. He stands up on his legs and has a good, even balance of body. C. P. NETTLETON.

Shelton, Conn.

[We think that if Mr. Nettleton will again read the article referred to he will be convinced that our statement was one of fact. We were not making a comparison as between the merits of the Light Brahmas of the west and the Light Brahmas of the east, as a whole.

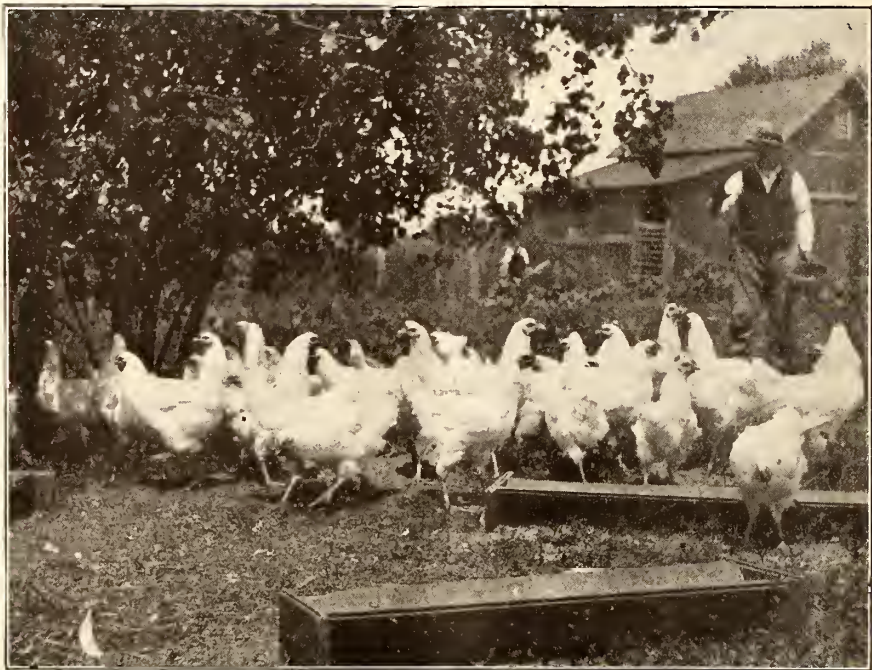
What we did say was that the western breeders have not taken kindly to Cochinsized Light Brahma, "shown in the east, notably at Boston." As a correct historian we also said that the Cochinsized Light Brahma is a product

of the east.

Wishing to be absolutely correct we further said that "Mr. Felch and Mr. Williams and other good friends of the Light Brahma" have opposed this Cochinsizing of the Brahma. Mr. Nettleton is among the "other good friends" who have adhered closely to the true Brahma type in breeding operations. In our write-up of eastern shows in these columns we have found pleasure in giving Mr. Nettleton's Light Brahmas high praise, and upon one occasion complimented him upon his good judgment in

In his circular Mr. Nettleton says:

"Look over the Light Brahma history from Burman's time to about 1890; look at pictures of Brahmas bred by such breeders as Burman, Plaisted, Comey, Felch, Williams, in years long past. You will not find one that shows that squatty, uncertain balance of body and legs, that decided tendency to Cochins shape, which for some unaccountable reason has often been seen in the show room within the last few years. If we keep out Cochins shape and want large, heavy birds, we must have good length of body, well set on



A bunch of cockerels on the farm of Clement & Fike, Libertyville, Ill. These cockerels were hatched February 7, 1905, and photographed July 9, 1905. Many of these birds are now up to standard weight.

refusing to deviate from the correct Brahma type in his breeding.

It would seem to appear that while on his trip west Mr. Nettleton did not see enough Light Brahmas to enable him to pass correct judgment upon the western Light Brahmas as a whole, and that he is judging the many by the few he saw at St. Louis. Regardless of the quality of the stock shown at St. Louis this is not fair to the western breeders.

straight, strong legs, also of good length."

That's the idea. It is the "Cochins-shaped Light Brahmas shown in the east, notably at Boston," that the western breeders, almost to a man, refused to accept. We are pleased to be able to state that the true type of Light Brahma has not been rejected by a majority of the eastern breeders.—THOS. F. RIGG.]



CLEMENT & FIKE'S White Wyandottes

==GREATEST STRAIN ON EARTH==

Have for years won the best and creamy prizes at the largest shows in the world. At Chicago, 1903 and 1904, our birds won five 1sts, five 2ds, four 3ds and **Special First Prize** for best display White Wyandottes and best display Wyandottes any variety. At World's Fair, St. Louis, 1st cock, 7th cock, 4th pen, 3d display and special \$50.00 silver cup. At Chicago Show, Jan., 1905, birds of our breeding, in hands of our customers won about all best prizes, including **two firsts**. These winnings places our strain **greatest on earth**.

SHOW BIRDS READY TO SHIP, now fully matured; February hatched. 2000 birds to select from. Breeders in any quantity. 20-page catalogue free for 2c stamp.

Long Distance
Phone
Libertyville 235

Bridgewater Poultry Farm
CLEMENT & FIKE

Box A
Libertyville
Illinois

HOW NOT TO RAISE POULTRY.

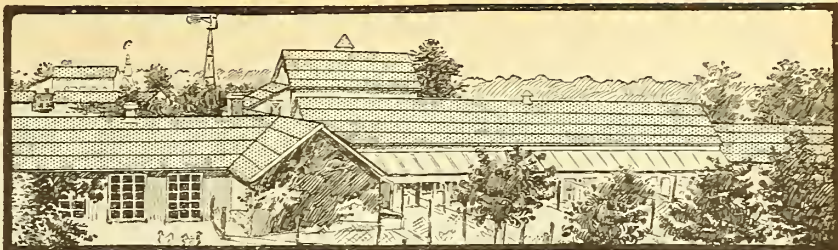
"I think I might head this article 'How Not to Raise Poultry,' for it has occurred to me that a recapitulation of my efforts of seven years ago may serve as a beacon for some young beginners.

Well, seven years ago the possibilities of the poultry raising industry began to force themselves on my notice. My business at that time was to solicit life insurance, and in the course of canvassing I ran across a brush manufacturer in a Canadian city, who combined poultry raising with his brush making. He was agent for a certain incubator, prepared poultry food and other poultry supplies. In the back room adjoining his shop, he always had three or four hatches of chicks scratching away in brooders, which, at the right age, he would transfer to a poultry farm of seven or eight acres which he owned in the suburbs of Montreal. I don't mind giving a clue to his whereabouts, as I remember him very kindly; a genial fellow, with a continually happy smile and a good word, and also a good business man, so good that he had the ability to steer clear of a life insurance agent and interest him in the poultry business. Silver Penciled Wyandottes were his hobby, with Barred Plymouths for second choice. He was also a judge of poultry, and in demand at many shows.

My place in the suburbs of Montreal consisted of about one acre of ground, on which was a good ten-room house, and a stable about fifteen feet long by eight feet wide, and some twelve feet high, with storage space across the beams at the height of about seven feet. There was only one window, about 2 feet square, on the north side, and the door was also on the north side, offering easy access for the hurricanes which swept across the River St. Lawrence in winter time at that point. I divided the shed with a rough plank partition, put in some rough tree branches for perches, fixed up some soap boxes for the receipt of the expected eggs, put in a couple more windows, about the same size as the one already in, threw some sifted ashes on the floor, whitewashed the whole inside, and considered the place an ideal one for raising poultry. But even with the added windows, the place was still gloomy, and I found that two immense trees near at hand deprived us of the sun's rays in winter, when they were most needed.

However, my first investment was a trio of Buff Cochins, bought from my neighbor across the road. Putting two settings of eggs under two hens, I was delighted to see them bring out twenty-four chicks. Next, a few common setting hens were bought from passing farmers, and underneath these hens we put forty-five eggs from my friend's Silver Wyandottes. These hatched out splendidly, and some of the birds promised to be fine specimens. Then we obtained a setting of duck eggs, and by and by a pond was made for the ducks, water being supplied through a rubber hose from the house water pipes, and the pond itself consisting of a long wooden box with caulked seams.

All this was started in the early part of the year, and at the end of the hatching season we had about thirty old birds and over a hundred chicks. During the summer time we had the hens



HERE'S A PAROID ROOF,

"The Roof That Lasts."

The Monmouth Poultry Farm, Freneau, N. J., one of the largest in the country, sends a photograph (see above) showing their Paroid roofs. They like it and so do thousands of poultrymen, the large ones and the small ones, because they found that for roofing and siding, nothing in the world equals

PAROID ROOFING.

Economical, durable, extra strong, light slate color—contains no tar—does not run nor crack—does not taint rain water. Any one can lay it. Keeps buildings of all kinds warm and dry; spark, water, heat, cold, acid and gas proof, in short it's just the roof you're looking for. Now, don't be put off with a poor imitation, but

Send for Free Samples and name of nearest dealer. Investigate its merits for yourself. For a 2 cent stamp we'll send new book of complete plans for poultry and farm buildings.

F. W. BIRD & SON, Makers.

Originators of the free Roofing Kit—fixtures for applying in every roll.

East Walpole, Mass.,

Established 1817.

Chicago, Illinois.

LUMBER AT ONE-HALF PRICE

We purchased the Fifty Million Dollar St. Louis World's Fair and are offering for sale millions of dollars' worth of material at prices that will mean an enormous saving to purchasers. Now is your opportunity to make the improvements you have long desired.

100,000,000 FEET OF LUMBER FROM THE ST. LOUIS WORLD'S FAIR

The time to buy Lumber is today. Even if you do not need any lumber today, it will pay you to purchase it now and store it for future use. It's better than money in the Bank. Buy quick, because the price at which we will offer this material is bound to sell it as fast as we can make delivery. The finest grades of Lumber were used in the construction of this grand Exposition. We have everything needed in the construction and furnishing of a building for any purpose.

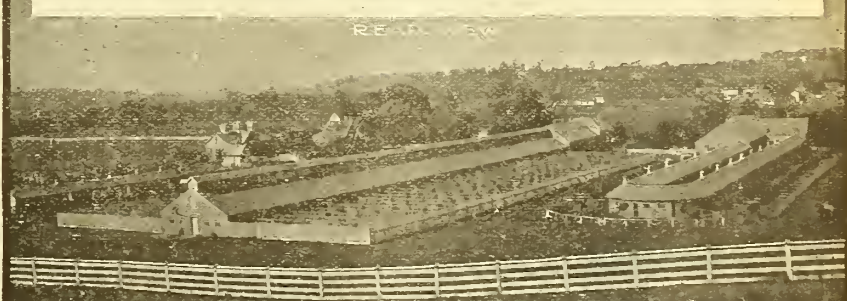
SEND US YOUR LUMBER BILL FOR OUR ESTIMATE

YOU CAN SAVE FROM 30% TO 60% IF YOU BUY AT ONCE. This is your opportunity to build or improve your Home, Barn, Warehouse, Church, Elevator, Tool Shed, Granary and Crib, Store, School House, and in fact any kind of a building. We can furnish you anything in the line of Manufactured Articles, Roofing of all kinds, Wire Fencing, Pipe, Furniture and thousands of other items. **ASK FOR OUR SPECIAL CATALOGUE NO. 186.**

CHICAGO HOUSE WRECKING CO., EXPOSITION GROUNDS, ST. LOUIS, MO.

THE FAMOUS MARY L. POULTRY PLANT
FOR SALE

This is the largest and finest equipped poultry plant in the world. No other like it—nothing to compare with it. Buildings and equipment alone cost \$100,000. Buildings are all of brick with slate roofs and built to last. Produces 730 tons of stuffed poultry, 100,000 broilers and 73,000 dozen unfertile eggs annually, all sold in the best markets in the world at prices always in advance of the market. Here's your chance to make a mint of money—comes but once in a lifetime. Everything all ready—business thoroughly established—just step right in and keep it going.



This immense plant will be sold at a price that will surprise you. If you want a fortune, this is your opportunity. Some man's going to get a bargain if he takes this quick. Must be sold. Write today for prices, terms and full information.

WM. A. GRAHAM, TRUSTEE, P. O. BOX B, SIDNEY, OHIO

CORN

Harvester cuts and throws in pile on harvester or windrows. Man and horse cuts equal to a corn binder. Price, \$14. Circular free showing harvester at work.

New Process Mfg. Co. Lincoln, Kan.

Barred Ply. Rocks.

Bradley Bros. Strain. Exhibition and breeding cockerels of the very best blood and breeding, for sale this fall. F. F. WINSOR, Hollenberg, Washington Co., Kansas.

For Sale at a Reduction

Our breeding stock with hundreds of young birds. All standard varieties. Hundreds of prizes won. Write your wants. B. S. Beckington, Garden Prairie, Ill.

CHOICE REGISTERED COLLIES

Pure bred, for sale at from \$10 up according to age and breeding. Great home dogs and stock workers.

A. D. BURHANS

2413 Y Street, Lincoln, Neb.

EGGS

\$1 PER SETTING

We are breeders of Barred and Buff Rocks, Silver Spangled Hamburgs and R. C. B. Leghorns. Write us your wants. We also breed Homing Pigeons. Try "Fly's Egg Producer" 5 lb. pkg. 50c. Mrs. E. B. Fly, prop., Edw. W. Fly, Mgr. Clear View Poultry Yards, Chalfont, Pa.

Learn Telegraphy and R. R. Accounting

\$50 to \$100 per month salary assured our graduates under bond. You don't pay us until you have a position. Largest system of telegraph schools in America. Endorsed by all railway officials. Operators always in demand. Ladies also admitted. Write for catalog.

MORSE SCHOOL OF TELEGRAPHY

Cincinnati, Ohio, Buffalo, N. Y., Atlanta, Ga., La Crosse, Wis., Texarkana, Tex., San Francisco, Cal.

Stearn's Bone Cutter

Shipped anywhere on **Thirty Days' Free Trial**. Fowls fed on the green bone ration as prepared (milled) by the **Stearn's Cutter** will double their egg output in fall and winter. You write at once and get the **bone cutter book**. It proves that poultry profits can be increased the year 'round. Do it now.

E. C. STEARNS & CO.

Box 100, Syracuse, N. Y.

CUT PRICE IN EGGS

75 cents per 15, \$4 per 100. Choice breeding stock going at \$1.00 each.

Northwestern Poultry Farm,
L. B. Jennings & Son, Polk City, Ia.

TRAP NESTS

1900 Wellcome's "Ideal" is King. 1905

Shows which hen laid the egg. Cost small—No freight. More eggs with less loss. "Ideal sense" in free circular. Write to

F. O. WELLCOME,
York St.,
Yarmouth, Maine.

THE IDEAL

**Doolittle Partridge Wyandottes**

Best on Earth. 10 cents for nearest and most complete catalogue to date. Eggs from World's Fair champions \$2.50 for 15 after June 1st.

W. A. Doolittle Sabetha, Kan.

Phoenix Poultry Plant

I am ready to offer you a bargain in the Phoenix Poultry Plant, our stock, good will and trade. Having sold our milling business here we must make a change. I will consider an exchange for a good mill property,

MRS. J. H. OREBAUGH
Batavia, Ohio

cooped up outside with their respective families, while the layers had a good sized run to themselves and the half of the shed which was partitioned off. The little chicks seemed to get along all right for a while, and then the troubles came thick and fast. When one hatch was old enough to let loose with the hen, the first catastrophe was a wholesale drowning in the duck pond. Instead of confining the ducks, we confined the chicks, thinking that when they got a little older, they would not be foolish enough to go and drown themselves, but that is just what they did do when we let them out a second time, therefore the ducks had to go. Such a thing as fencing the ducks in, did not occur to us. Then some of the chicks began to get sick, and we thought their drinking vessels were not what they should be, so we changed from shallow tin pans to earthenware cups, ordinary tea cups without handles, of which we had several in the house. The next morning after using these, each contained a chick with its feet sticking up and its head sticking down—drowned to perfection—and only in one or two cases did the cup upset and allow the chick to escape.

Then, a friend, through mistaken kindness, gave me a thoroughbred fox terrier pup about three months old. The pup was tied in the shed, and had the partition between him and the chickens, but a rope didn't mean very much to him. He lay right down and started to chew that rope, and before morning he was a free pup. This was in the beginning of the winter, and in the other half of the shed from where the pup was nearly a hundred head of poultry were suffering in a space sufficient for an ordinary breeding pen. The pup forced his way between the partition boards during the night, and when I found him in the morning he was gnawing at the inside of one of the choicest Wyandottes, while the dead were strewn around him. He promptly received a bullet in the ear.

For feed, we used oats, buckwheat and whole corn, with such scraps from the kitchen as we had. We fed them as much as they would eat three times a day, and came into the following spring with about six hens laying. The Buff Cochins were the laziest birds I ever had to do with, not that I ever had much experience before, and it may have been due to feeding, for, as I have just said, we fed them all they could eat, and sometimes they would leave some on the ground until next morning. Another mistake was, that they had no scratching box, and the lack of exercise during the cold weather made them fat and lazy in the spring. The Buff Cochins wanted to sit all the time, while the Silver Penciled Wyandottes were too fat to be good layers. Many of the latter died with roup and bowel trouble, and the best bird of all was a Barred Plymouth Rock hen. This hen endured all the hardships of that awful shed during a severe winter, laid more eggs and had less sickness than any of the others, and now I pin my faith to the Barred Plymouth Rocks.

Therefore, after selling out my poultry stock after twelve months' experience, I got back exactly the amount of my original investment and felt heartily sick of the whole business.

However, here we are again at the end of seven years, during which time

we have moved down to Pennsylvania, where the St. Lawrence blizzards do not get a chance to blow the inside out of chicken houses, and under more promising conditions, I have again started to raise poultry—Barred Plymouth Rocks this time—but just as to how I succeed will be part of another story.

One thing I must say in conclusion, and that is, I have learned a whole lot from the AMERICAN POULTRY JOURNAL, and am still learning from it; moreover, I begin to scan it eagerly for new ideas, as soon as it comes in.

GEORGE V. SELLEN.

Abington, Pa.

A MIDSUMMER FAIR.

Such a fair is not often undertaken in America. The one, however, held at Lake Geneva, Wis., July 13 and 14, 1905, was an event of much importance. While fowls at this season are not always in first-class feather they nevertheless show what quality they have had and will again have after molting. Chicks were nearly all rather young, yet in some of the classes very promising for development into first quality exhibition stock for fall and winter exhibits. When 426 head can be brought out in July by 45 breeders, showing 48 varieties, we may look forward to the time when such exhibits become more frequent. Under the superintendency of Mr. and Mrs. Henry Bartholomay, of Chicago, whose summer home is on the highest point midway of the length of this beautiful lake, the local members of the Lake Geneva Poultry Association were of valuable assistance in making this most attractive department of the Summer Fair a success. They furnished uniform coops. The exhibit was held under a large tent, as all other exhibits of flowers, vegetables, stock and other displays. This fair was attended by upward of 10,000 people, who came from far and near; was spread over the beautiful grounds owned by the Leiter estate; its object was to help raise funds that went to benevolent associations of Chicago to give the city children outings. Certainly a worthy cause that gives enjoyment to all, the giver and those who receive.

D. T. HEIMLICH.

Feed troughs should be scalded frequently and set in the sun to air.

LEE'S**LICE KILLER**

strongest and best. No handling, dusting, dipping or greasing. No trouble with vermin if you use Lee's—the name insures quality. Price, qt. 35c; ½ gal. 60c; gal. \$1. Sold by dealers in every state.

GERMOZONE

cures Chicken Cholera, Bowel Complaint, Sore head, Roup—the best chicken medicine. Profits are in healthy chicks. Save the chicks—Increase your profits. Germozone will do it. Price 50 cents, postpaid. Send for new poultry book containing calendar and egg record and lots of valuable information.



GEO. H. LEE COMPANY
Box 91 Omaha, Neb.

FREE READING NOTICES.

I notice in a number of poultry papers that a publishers' association has been formed and that among other improvements for the good of the profession they are going to "sit down on" free reading notices.

I feel like singing the old time war song, "Brave Boys That Come at Their Country's Call." Let us all rise and sing, and make it long metre, too, at that; the longer the better.

Queer, isn't it? That an advertiser himself will get so reckless as to speak up in meetin' like this, but I'll tell you how it is. I believe now and have believed for several years, that those who read also think, and that the deceptive free reading notice fools but few; that is, we all know it by the ear-mark. But that they are advertising none disputes, and being advertising, and over the advertiser's own signature. In other words, why do honest advertisers adopt deceptive methods?

Speaking for myself, will say that I have passed through several stages in advertising, and as in other things, some of our first impressions last the longest. I remember a particular instance in the early stages of my incubator experience wherein I contracted for the insertion of my advertisement in a paper that did, and does, charge too much. Money was scarce, and I wanted that ad to help me get started. In that same issue and in the adjoining column there was a free reading notice so smooth in construction that it robbed my paid-for ad entirely. I protested to the publisher. "Will do as well or better for you, Johnson," was the answer, and I am here to say that he made his word good.

From that day to this, except for one season, my advertising has had the free reading notice nonsense attachment simply because it was the rule and others did it, and I believe right now that I am voicing the sentiment of the great majority of advertisers.

The season I mention as an exception was the spring of 1923, for that season I turned the free reading notices down, as most publishers will remember. I not only turned them down, but uncovered their deceptions in my catalogue writing. I sold over 20,000 incubators and brooders that season, which I verily believe led all other concerns up to that time, and without or in advance of the declaration of the poultry press association notice, I turned them down for this coming season, as most publishers can verify.

The plan for charging for a stipulated space at a stipulated price, and throwing in a promiscuous unknown quantity never did appeal to me as rational. Publishers in most instances, and in self defense, run the humbug free reading notice in small type. Of course, we know them by that and by other ear-marks. They are harmless in one way of looking at it; in another way they are an imposition on our sense of knowing a little at least.

Why not an advertisement stand on its own feet? Why not make it definite, and at a definite price? I met a publisher one time, he is not a publisher now; says I: "Mr. —, how is it that the — Incubator Company have more free space than they pay for in regular space?" "Well, sir, Johnson," says he, "if I published even one-half they sent me I would

have to make my paper larger." An admission right there that persistence in sending them won out even though half of them went to the waste basket.

I contend that if a manufacturer wants a write-up and that if his business will stand investigation, that the proper and honest way is to pay the publisher for investigating and making the write-up according to his findings and so state it in connection. Call it advertising, which it is, collect payment according to the space used and the time occupied, etc.

Buying advertising space and scraping with free readers to get what I paid for always appealed to me as forcing an honest client to fight for it after he got it. I do hope that poultry

paper publishers are in dead earnest and I believe they are.

M. M. JOHNSON.

The ordinary fowl—that is, one not held in high esteem by an experienced breeder—is not valuable enough to doctor up and fuss with, by the novice. If roup shows in the eyes and nose, by an ill smelling discharge, take the bird away at once and kill it.

The very early hatched bird is apt to molt with the old stock in the fall. It is also apt to lay heavily all winter and as a result will not produce eggs which will hatch as strong and vigorous chicks as those from birds that begin to lay in January or February.

24
YEARS
WEAR
NO
REPAIRS

SEPARATOR
FACTS

43
YEARS
WEAR
75¢
REPAIRS

Just facts—that's all you want. Facts can't hurt you nor Tubular Cream Separators.

Facts prove Tubulars outwear all other makes five to ten times over.

On August 2d, 1904, we started a No. 9 hand driven Dairy Tubular, rated capacity 900 lbs. per hour, on the hardest test a separator was ever put to—an endurance test to last until the wearing parts give way. This Tubular has now run 50 hours a week for 43 weeks—and is still running. Every week of this test is equal to a year's service in a ten cow dairy. No other separator made could stand such a test.

24 Years' Work—No Repairs	43 Years' Work—75c Repairs
Hours run..... 1,200	Hours run..... 2,150
Pounds separated.... 1,080,000	Pounds separated.... 1,985,000
Turns of crank..... 8,155,760	Turns of crank..... 5,652,070
Turns of bowl..... 1,152,000,000	Turns of bowl..... 1,864,000,000
Oil used..... 3 quarts	Oil used..... 5 1/2 quarts
Time oiling..... About 4 min.	Time oiling..... About 7 min.
Time adjusting..... None	Time adjusting..... 10 min.
Repairs..... None	Repairs..... 75 cents

After 24 weeks, the balls in the frictionless bearing supporting the bowl showed wear. This was natural, for each had rolled over 32,000 miles. Renewing balls cost only 75 cents and ten minutes adjusting, yet made this Tubular as good as new. All Tubulars are equally durable. Catalogue P-205 tells about them. Write for it today.

THE SHARPLES SEPARATOR CO.

Toronto, Canada West Chester, Pa. Chicago, Illinois

EARLY WINNERS

It may seem early to talk about show winners, but August and September are months that the early young birds must be gotten in line for the fall shows, and the old bird "trimmed" preparatory to exhibit.

Well, then, as

DUSTON

has to keep these things in mind and be ready for the call that always comes, so he calls the attention of those who may want to WIN to the fact that he has old and young to meet early competition, as well as those coming on for later exhibits. Just write your wants in

White Wyandottes

and get prices on **THE GOODS** from the breeder that can again, and who has already made possible the "World's Best Flocks."

Arthur G. Duston, Box 1020, S. Framingham, Mass.

Studebaker Model Poultry and Egg Farms

Breeders of Single Comb White Leghorns, Rose Comb Black Minorcas, Rose Comb White Minorcas, and White Holland Turkeys. High Class stock for sale. Eggs in any quantities.

Studebaker Model Poultry and Egg Farms

South Bend, Indiana

COLLINS' RELIABLE POULTRY REMEDIES

Roup Cure, 25c. Cholera Cure, 25c. Diarrhoea Cure, 25c. Poultry Tonic, 25c. Cond. Powder, 25c. Cure Guaranteed.

Poultrymen, my remedies are backed by professional services. Convince yourself of the unequalled qualities they possess by giving me a trial order, and if they do not prove superior to any you have used I will cheerfully refund your money. I know positively from practical experience and unsolicited testimonials from users, that these remedies will meet every duty required of them with never failing results. Accept no substitute, as there is none just as good. Agents wanted, liberal inducements. Send stamp for descriptive Circular.

Mfg. by C. J. COLLINS & Co.

Hartford, N. J.

50 FIFTY 50

We have fifty Lt. Brahma, Partridge and Buff Cochlin cockerels and cocks that must be moved. These are extra choice breeders and exhibition birds and will go at half their value. Prices \$2.50, \$5.00, \$7.50, \$10.00 and up. Send on your order or write for further particulars.

ELMDALE FARM, C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Iowa

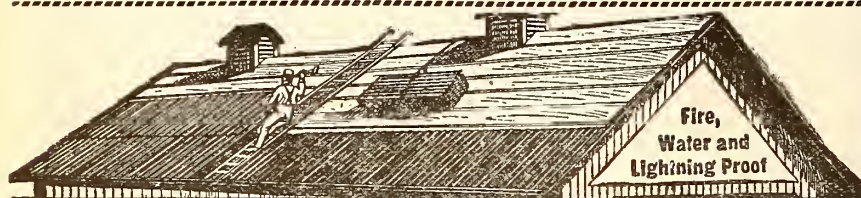
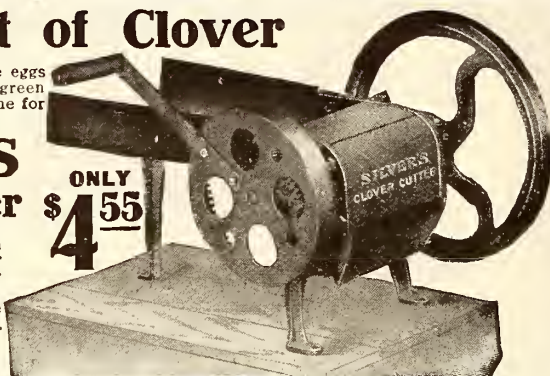
A Basket of Clover

Cut in proper lengths makes the eggs come. You always have the green stuff. No better cutting machine for poultrymen at any price than

SILVER'S
Clover Cutter **ONLY \$4.55**

Cuts dependably into 1-8 inch lengths, never clogs with anything like fair feeding. Four 8-inch solid-center spiral knives, throat full cutting width, made strong, runs easy. Weight 60 lbs.

For particulars, address,
THE SILVER MFG. CO., SALEM, O.



Steel Roofing, \$1.50 Per 100 Sq. Feet

Painted red both sides; most durable and economical covering for roofing, siding or ceiling, for barns, sheds, houses, stores, churches, cribs, poultry houses, etc.; easier to lay and cheaper than any other material; no experience necessary to lay it — a hammer and hatchet the only tools you need. At this price to all points east of Colorado, excepting Oklahoma, Texas and Indian Territory. At this price we furnish our No. 15 semi-hardened flat steel roofing, sheets 24 inches by 24 inches. At \$1.60 this same material corrugated as shown in illustration, or in "V" crimped, or standing seam. At 50 cents per square advance over above prices we will furnish this material in 6 and 8 feet long; \$2.55 for brick siding or beaded ceiling or siding. Send us your order for immediate shipment. Time will prove its enduring qualities. It withstands the elements the best of all coverings. Ask for further particulars. WRITE FOR FREE CATALOGUE NO. A. M. 188 on building material, wire, pipe, plumbing material, furniture, household goods, clothing, etc. We buy at SHERIFFS' AND RECEIVERS' SALES. 100,000,000 feet of lumber from the World's Fair.

CHICAGO HOUSE WRECKING CO., 35th and Iron Sts., CHICAGO, ILL.

DUSTING OF FOWLS FOR VERMIN.

To win in the show rooms, you must by all means have your fowls in beautiful plumage. How must we accomplish this? The time to begin is in early spring. Get some good louse powder; most any of those advertised in this journal are good. Go into the hen house after your fowls have gone to roost; be very careful not to excite them. You must be very gentle handling and dusting them, as you are apt to injure some of the plumage that may cause you lots of trouble later on. Take your fowls by the feet, head down; be very gentle with them. Do not, by all means, get them excited. Open the feathers with your hands first, then proceed to apply the powder; be sure you get powder on thoroughly all over and on the body of the fowl; this is essential. You must dust at regular intervals during entire summer, at least every two weeks.

Now you must be very careful and watch your fowls closely, for just as soon as you detect any new plumage you must stop right there handling and dusting them. Now if your fowls have been carefully looked after you will not have any vermin to combat during moult.

I dare say that there are more birds ruined and more off colored birds in our show rooms caused by the handling and dusting during this critical period, especially by the inexperienced, than from any other cause.

Remember it is a matter of impossibility to win the blue ribbons with off colored birds. J. NORMAN BOWEN.

Manchester, Va.

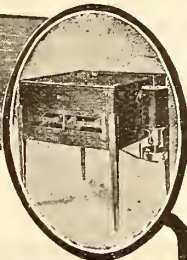
WHAT OTHER GIRLS CAN DO.

The readers of this paper, many of them, can remember a little story of mine some three years ago about what two girls can do. For those that did not see or do not remember it, will mention here that two girls that were out of a job undertook to buy fresh eggs from the farmers and poultrymen and sell them again at fancy prices; they succeeded and are in the business yet.

Since then I have been in correspondence with dozens of others that are in it or going in it. By the way, the plan is open to anyone, whether girls, women or men, and the field is big and getting bigger. So many write me about it that my correspondence has grown to dimensions, and a desire to lessen my work, yet do some good, prompts me to here outline the plan.

As a starter rent a room in a convenient part of the town and hoist a sign "Cash Paid for Fresh Eggs." If you have enough capital you can also buy butter. Keep a supply of poultry feeds and appliances. Take the agency for a good incubator and brooder and carry on a mixed business, but with a very limited capital the egg business can be started. The first thing is to find a market, the next thing is to fix the eggs up marketable.

The markets can be found in all cities, the health and pleasure resorts the best, sometimes you can work up a demand with hotels. Other times you can start with grocerymen that cater to and have the best class of trade. The way to fix the eggs is to sort them, putting the white ones in different cases and cartons from the brown ones, wash and clean the dirty



MODEL INCUBATORS

That give you satisfactory hatches without constant attention.

That contain the most active thermostat in use, and on which the patent office has recently granted me four strong claims.

With the Model Incubator the past season, Wm. H. Truslow, of Stroudsburg, Pa., broke all records for hatching duck eggs.

BROODERS

That rear practically all the chicks put in them.

POULTRY FOODS

They are made of sweet, wholesome grains, uniformly cracked, pearled and graded. Send for my new food circular, "Poultry Feeding for Profit."

CHAS. A. CYPHERS, 301 HENRY STREET, BUFFALO, N. Y.

ones, stamp your name and guaranteed fresh on the large ends, then put them in cartons holding one dozen each; these cartons are made of pasteboard and cost probably 1½ cents each. You can ornament them with your own advertising if you wish or you can leave them blank. These cartons pack in an ordinary egg case with the fillers removed. You can still further adorn the inside of cartons with tissue paper, the object being to make them look clean and handsome, and while I think of it, will mention to use clean cases and if possible get new ones.

Some time you may have to call on the groceryman to get him to take hold and you may have to furnish a case or two at market price or a small advance, but it will not be long until he will have such a demand for your brand of eggs that he will be very anxious to get more of them and you can raise the price and so can he. There will be no danger of losing him. People who eat eggs want them fresh and clean looking. The better appearance they make in the store soon has its effect on the groceryman and his customers. More people will eat eggs and indirectly all poultrymen are benefited.

The things to look out for are bad accounts and bad eggs. As far as the advance price on the eggs is concerned, it cuts but little figure with the demand. It is now and always has been and with everybody that the quality of the eggs was the main thing and the little difference in price a second consideration. I trust this will help a great many. I am sure it will injure none.

M. M. JOHNSON.

Clay Center, Neb.

OAKWOOD JOTTINGS.

At this time of the year the poultry man is apt to cast a backward glance over his experience in hatching and raising chicks. This experience is scarcely ever so favorable as to make unimportant the study of the conditions which insure fertility in a high percentage of the eggs to be incubated, and in the means by which the greatest number of the chicks hatched may be raised to maturity. He finds, it may be, that in "counting his chickens before they were hatched" he is wide of the mark, and in counting them after they were hatched he has made too high an estimate. His success next year will depend greatly on his ability to trace his losses back to their causes and on his skill in removing those causes.

You are doubtless interested now in making a study of the youngsters, a part of which will take their places next year in your breeding yards. You will be glad to see many promising ones; none will of course be perfect. You will see some fit to show anywhere if—No, do not remove the defect, even if it is so slight that a single movement of the thumb and finger will do it. Let it remain until you are ready to select your breeders, then determine whether it is so serious as to outweigh many excellences. If it is exclude the bird.

Theoretically an incubator should hatch a higher percentage of eggs than a hen, and the time is surely coming when it will do so. On this line intel-

lect is sure to beat instinct; but, as yet, we believe, instinct is ahead. The hen with a lot of "cold corners" to her nest will sometimes hatch every fertile egg. The amount of heat received by the eggs in the middle and by those around the edge of the nest, which, at times, are apt to be partly or wholly uncovered, is considerable, and yet, in the end, lo, a great hatch. The reason for "dead in the shell" as applied to an incubator chick is to be sought, in part at least, on other lines than that of unequal distribution of heat. The incubator has come to stay; but like other human contrivances it is susceptible of improvement. Among its many obvious advantages are hatching by wholesale, so to speak, the hen does a small retail business; and hatching at any time; you must await the pleasure of the hen.

ALVAN SMITH.

Marshall, Ill.

Mr. H. A. Nourse, for the past two years associate editor of the *Reliable Poultry Journal*, and before that well known as a fancier at Barre, Mass., and as manager of Fisher's Island Farm, has assumed editorial management of *Poultry Herald*. Mr. Nourse is well qualified for the position and the JOURNAL wishes him every success in his new field.

After the quality of the flock is established, the next vital step is the advertising of the fact that you are a prize-taker.

Begin now to prepare for the show season. The work cannot be done at the last minute.

Cyphers Poultry Supplies and Foods.

Our 1905 Catalogue consists of 228 pages. It contains six special chapters on profitable poultry keeping; more than 450 illustrations including latest portraits of 150 best known authors, judges, fanciers, editors, professors of poultry husbandry and owners and managers of the world's largest, successful poultry plants. Will be sent free, postpaid, to every reader who sends his name and the names and addresses of two acquaintances who keep poultry.

In addition to our splendid line of INCUBATORS AND BROODERS remember we are manufacturers of

Everything Required In Poultry Keeping

Our Poultry Supply Catalogue is Free. It contains a full list of the articles we manufacture, among which will be found

Chicken Coops,
Portable Houses,
Shipping Coops,
Egg Carriers
Food and Water Vessels,
Bone Cutters,
Chicken Punches,

Feed Cookers,
Lice Powder,
Lice Paint,
Fumigating Candles,
Disinfectants,
Egg Preservative,
Poultry Remedies,

Chick Food,
Laying Food,
Forcing Food,
Scratching Food,
Cut Clovers,
Shredded Clovers,
Mealed Clovers,

Food Hoppers,
Grit and Shell Boxes,
Leg Bands,
Egg Testers,
Wire Fencing,
Roofing,
Sprayers.

CYPHERS FORCING FOOD

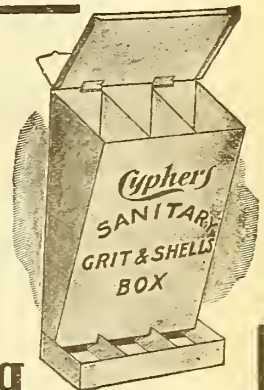
Puts on size, flesh and weight, and produces plumage with a gloss quicker than any other poultry food on the market. It is not a condiment, but a pure food, properly balanced to give the results desired. It contains a large proportion of protein—the most costly nutrient to be found in grains—and is just what has long been needed by fanciers who wish to hasten the growth of plumage and to secure size on their young stock for the fall shows. As its name indicates, it is intended for forcing the growth and fitting young stock for market. It not only adds pounds to the weight of the birds, but adds a cent or two a pound to their value on the market. It makes the birds bigger and better and so greatly increases the profit on a flock, whether intended for market or show.

We grind, mix, sack and seal all our Foods. For the protection of our customers our ready-mixed Poultry Foods are put up in sealed bags, bearing our Trade Mark, each bag being sealed with a lead seal with the word "Cyphers" stamped on one side and the word "Buffalo" on the other. Customers should refuse all bags which do not bear our seal, also those on which the seal has been broken or removed. (ADDRESS NEAREST OFFICE)

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Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

INTERNATIONAL BANTAM BREEDERS' CLUB.

A great future is promised for bantams. Everywhere new breeders are adding some of the midgets to their yards and thousands of bantams are bought and sold annually at good prices. No doubt there is a great opportunity for an association of bantam raisers and the International Bantam Breeders' Club is right ready to take advantage of the opportunity. Several years ago this organization was started and now it feels in a position to do the fancy some genuine good. We hope to bring before the public a knowledge of the many interesting phases of bantam raising. We want to impress upon parents what an excellent pastime the care of a few bantams is for their children. We want to impress upon every man and woman what an excellent recreation it is after a hard day's work.

To do this we need the hearty co-operation of all present bantam breeders. We think the club is something for fanciers to feel proud of and we know that a membership in it will be valued very highly. As a special inducement to all bantam breeders the officers have decided to offer a membership in the club for \$1, same to include dues to Oct. 1, 1906. The regular initiation fee and dues are \$2 and we feel sure that large numbers of interested persons will take advantage of

this offer. This offer holds good until Nov. 1 only.

A handsome club catalogue is contemplated for this fall. The names and addresses of all members, together with the varieties they breed will be included, which in itself will be no small advertisement.

The secretary will be glad to furnish application blanks and any information desired. We will be glad of the names of all bantam breeders in your vicinity.

FRANK W. RADFORD, Sec.,
Oshkosh, Wis.

NATIONAL SINGLE COMB RHODE ISLAND RED CLUB OF AMERICA.

Editor AMERICAN POULTRY JOURNAL:

Realizing that to place their variety and breed before the public in the place it merits, concerted action as well as individual effort was necessary and feeling the necessity of such a course a number of breeders of Single Comb Rhode Island Reds have perfected a temporary organization to be known as "The National Single Comb Rhode Island Red Club of America" for the purpose of elevating the standard of the variety, the mutual improvement of the members by the exchange of ideas and experiences and to secure for the variety that popu-

larity and publicity which it so richly merits.

Until the first meeting of the club, which will be held in Cincinnati Jan. 18, 1906, time and place of meeting to be announced later, the following gentlemen have kindly consented to serve:

President, C. N. Hansen, Warsaw, Ky.; vice-presidents, F. A. Bennett, Canton, Ill.; J. H. Vallire, Cedar Rapids, Iowa; A. Johnson, Kansas City, Mo.; secretary-treasurer, Dr. G. D. Wilcoxon, Freeport, Ill. Executive committee, Rev. S. R. Cunningham, Oakland, N. J.; F. M. Malone, Cayuga, Ind.; H. C. Kellerman, Kansas City, Mo.; W. J. Hibner, Aurora, Ill.; C. F. Ward, Winter Park, Fla.; W. J. Seely, Castle Dale, Utah; J. L. Probst, Pomeroy, Ohio; C. N. Hansen, Warsaw, Ky.; Dr. G. D. Wilcoxon, Freeport, Ill.

Honorary state vice-presidents: J. R. Proyer, West Virginia; C. F. Ward, Florida; H. R. Crane, Illinois; J. C. Hausman, Connecticut; Rev. S. R. Cunningham, New Jersey; Dr. C. E. Hostetter, Ohio; J. R. Williams, Missouri; W. J. Thomas, Alberta, Canada; J. H. Meers, Kentucky; Dr. W. M. Lawrence, Indiana; Prof. L. Sheldahl, Iowa; Dr. Geo. Benton, Michigan; L. C. Duncan, Utah; A. C. Hoyle, Texas; L. S. Harner, Colorado; F. H. Garriesy, Rhode Island; Owen E. Leach, New York; and C. E. Copeland, Wisconsin.

At the above meeting the club will not only perfect and make permanent its organization but will also give two prizes to be competed for by members, of a \$25 silver cup for the best cock, hen, cockerel and pullet and a \$10 silver cup for the best 12 eggs.

Individual effort in these days of organization and strenuous methods counts for almost nothing; it is only by concerted effort that S. C. R. I. Red breeders can put their variety where it belongs, at the head of the poultry list. We de-

ARE YOUR HENS LAYING WELL RIGHT NOW



**The Laying Hen
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**Increase your Egg
Yield—Double
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YOU CAN MAKE YOUR HENS LAY MORE EGGS

by feeding Green Bone fresh cut. Thousands have done this and succeeded. They found that the cut bone, gristle and meat doubled their egg yield, made more fertile eggs, better hatches, earlier and heavier broilers and heavier market birds. Would you reap this success? Buy a

MANN'S LATEST MODEL BONE CUTTER.

The one that has a self-regulating feed, automatically adapting itself to the strength of the operator. It cuts hard and soft bone with equal ease and never clogs. It cuts the adhering gristle and meat and all of the bone into a fine, clean food, full of protein and all other egg elements. It leaves no chunks nor gristle. You do not need to experiment when you buy a Mann's, because

We Will Ship One to Your Address On 10 Days Free Trial.

This is a square offer and you need not put up any money in advance. Write and see. Catalogue free.

F. W. MANN CO., Box 56, Milford, Mass.

sire to do for the variety what the Rhode Island Red Club of America has done for the breed in general and will so far as possible work in harmony with that club.

With specialty clubs so numerous it hardly seems necessary to enumerate the advantages accruing to the one who joins such a club. The immense popularity of some breeds is directly attributable to the club which has pushed that breed, not only by giving the breed publicity, but by the improvement of the breed caused by the exchange of ideas and experiences among the club members, the result being not only better birds but better prices for them. The cream of the business going of course where it belongs to the men who had sufficient intelligence to join their club and benefit by each other's mistakes and successes, thus bettering their birds and prices.

We already have a lusty young club whose members represent seventeen states and one Canadian province and we intend if possible to set a mark for all future clubs to point to, in rapidity of growth and enthusiasm of our members. In every state where the club has five members club ribbons will be offered and in states having ten or more members a silver cup will be offered as prizes to be competed for by members. Considering the benefits to be derived from membership we think that there is not a breeder of S. C. R. I. Reds in the States or Canada who can afford to stay out of our organization unless of course he is one of those who is satisfied to see other breeders do the work while he attempts to reap the benefit of their labor.

Brother breeders, you can help this breed to the place it deserves in the heart of the American poultry public by joining our club, and thus lending your assistance, moral and financial, to our endeavor to not only better the breed but also the variety. The annual membership will be one dollar, which should be sent to the undersigned, who will also be glad to answer any questions concerning the club.

DR. G. D. WILCOXON, Sec.-Treas.,
Freeport, Ill.

C. N. Hansen, President,
Warsaw, Kentucky.

ST. JOSEPH, MO.

The Northwest Missouri Poultry Fanciers' Association has been reorganized and is now under the management of some of the most active fanciers in Northwest Missouri, southern Iowa and eastern Kansas and Nebraska. The officers are already busy with the preliminary work for the next annual exhibition, which will be held in St. Joseph, January 20-20, 1906. Adam Thompson of Amity, president of the association, and C. H. Rhodes of Independence, Mo., will do the judging. Communications should be addressed to the secretary. E. L. McDon-

SARATOGA, PA.

Saratoga & Schuylkill Valley P. P. P. S. Assn. had its twelfth annual election of officers and selected dates for their twelfth annual show. Officers: L. K. Drumheller, president; Wm. Wisler, first vice-president; F. C. Newhard, second vice-president; S. J. Kurtz, secretary; J. B. Hoffman, financial secretary; H. F. Scheffey, treasurer. Show dates 29-30th of November and 1-2d of December, 1905. Many valuable and useful presents, as well as silver cup are already contributed and the 12th annual show promises to

White Wyandottes and Pekin Ducks

Greatest competition White Wyandottes and Pekin Ducks, winners in the greatest competition in the world: World's Fair champion 1, 3, 6 and 7 on young Pekin hens; 2, 3 and 7 young drakes, 3, 5 old drakes and 1 old hen. Won 6th and special on cock in White Wyandottes, and I have the best in the world in my breeding pens for 1905. 1st cock, 3d cockerel, 1, 2 and 4 pullets and eight more pullets, sisters to the prize winners and a brother to the 3d prize cockerel.

Illinois State Fair, 1st, 2d and 3d on Pekin Ducks. No White Wyandottes were shown. St. Louis Fanciers' Association, Dec., 1903, won 1st breeding pen, 1st pullet and 3d cock in White Wyandottes and special for best pullet. Chicago National Fanciers' and Breeders' Association, 1905, won 1, 4 pullets, 1, 5 hen, 1, 3d chl., 2, 5 cock and three specials for best shape, and silver cup for the whitest bird in the show room on White Wyandottes. Pekin Ducks 1, 2 cock, 1, 2 hen, 1, 2 cockerel, 1, 2 pullet. White Wyandotte eggs \$3 for 13, \$5 for 30. Pekin Duck eggs \$2 for 11, \$3.50 for 22, \$7 for 50.

THEO. AMBROSIOUS

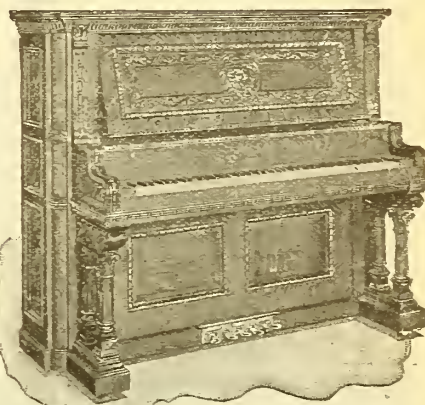
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Do not imagine that it is impossible for us to do as we say. Our system is so perfect that we can without any trouble deliver a piano in the smallest town in any part of the United States just as easily as we can in New York City, and with absolutely no trouble or annoyance to you, and without anything being paid in advance or on arrival either for freight or any other expense. We take old pianos and organs in exchange. A guarantee for 12 years against any defect in tone, action, workmanship or material is given with every Wing Piano.

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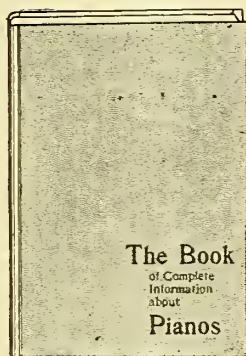
In 37 years over 40,000 Wing Pianos have been manufactured and sold. They are recommended by seven governors of States, by musical colleges and schools, by prominent orchestra leaders, music teachers and musicians. Thousands of these pianos are in your own State, some of them undoubtedly in your very neighborhood. Our catalogue contains names and addresses.

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A book—not a catalogue—that gives you all the information possessed by experts. It tells about the different materials used in the different parts of a piano; the way the different parts are put together, what causes pianos to get out of order and in fact is a complete encyclopedia. It makes the selection of a piano easy. If read carefully, it will make you a judge of tone, action, workmanship and finish. It tells you how to test a piano and how to tell good from bad. It is absolutely the only book of its kind ever published. It contains 156 large pages and hundreds of illustrations, all devoted to piano construction. Its name is "The Book of Complete Information About Pianos." We send it free to anyone wishing to buy a piano. All you have to do is to send us your name and address.



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loss of eggs. The Petaluma regulates perfectly and
hatches every fertile egg. 4 sizes. Catalogue free.
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Grit
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Into Eggs

is the kind that doesn't lose
its sharp edges, that grinds up
the horny portion of a hen's
food and prepares it perfectly
for digestion and assimilation.

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Cubical Grit

makes hens hardy, sturdy,
healthy, happy. They're bright-
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good-sized eggs, and their drop-
pings show that their food is well-
digested. There's profit in supply-
ing **Mico-Spar Cubical Grit** and
none is lost in the litter—it's always
seen on account of its shining sur-
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bags. Send for a free, explana-
tory folder. No. 10

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This is the Frank S. Brant cup, valued
at \$25.00 on best display of Rocks, Wy-
andottes and Leghorns. The cup stands
28 inches high with base and is hand-
somerly engraved on one side with Rocks,
Wyandottes and Leghorns; on the other
side the lettering. S. J. Kurtz, Sec.

INDIANAPOLIS, IND.

The sixth annual exhibition of the Fan-
ciers' Association of Indiana will be held
in Tomlinson Hall, Indianapolis, Feb. 4
to 10, 1906.

As usual the dog, cat and pigeon show
will be a part of the attraction. The
Empire Cooping Company has a contract
for the cages in all the departments.
The entry fee on single specimens in
poultry, cats and Belgian Hares is \$1.00,
pigeons 50 cents each, dogs, \$2.00 each.
Breeding pens poultry, \$3.00. The fol-
lowing judges have been selected: For
poultry, James A. Tucker, Geo. Burgott,
Ben S. Meyers, O. L. McCord, S. B.
Lane, Wesley Lznus, W. C. Pierce, and
Theo. Hewes; dogs, C. M. Ryan; cats
and pigeon judges will be announced
later. Premium list ready for mailing
about Nov. 1. For further information
address E. A. Pierce, secretary or Theo
Hewes, president, Indianapolis, Ind.

OCONOMOWOC, WIS.

The Oconomowoc Poultry and Pet
Stock Association will hold its first annual
exhibition on December 11 to 16, 1905.
Frank Heck, judge. Cash prizes will be
given in the different classes, also valu-
able specials, including silver cups and in-
cubators. Dr. H. J. Larsou, Secretary.

DELTA, OHIO.

Fulton County Fine Poultry and Pet
Stock Fanciers' Association will hold their
annual show Nov. 29 to Dec. 5, 1905.
Ira C. Keller, Judge; M. B. Hatton, Sec-
retary.

FOSTORIA, OHIO.

The 5th annual exhibition of the Fos-
toria Poultry Association will be held at
Fostoria, Ohio, Jan. 16 to 19, 1906. Eu-
gene Sites, judge. Chas. Mann, Sec.

JOIN US NOW.

R. C. B. Leghorn Club big cash specials
at Madison Square Garden and Chicago.
Club catalogue, constitutions, bylaws,

etc., by writing. Fred Alger, Sec., Wan-
kau, Wis.

PALESTINE, ILL.

The sixth annual exhibition of the
Crawford County Poultry Association will
be held at Palestine, Ill., Jan. 1 to 5,
1906. Theo. Hewes, judge; O. H. Smith,
Eaton, Ill., Sec.

CRESCO, IOWA.

The second annual exhibition of the
Howard County Poultry Association will
be held Jan. 31 to Feb. 3, 1906. G. D.
Holden, judge. John M. Davis, Sec.

DOVER, N. J.

The annual exhibition of the Dover
Poultry, Pigeon and Pet Stock Associa-
tion will be held Nov. 29-Dec. 2, 1905.
W. H. Bidgood, Sec.

ENID, OKLA.

The second annual exhibition of the
Garfield County Poultry and Pet Stock
Association will be held Jan. 9-13, 1906.
J. W. Hitchcock, judge. I. W. Scher-
ich, Sec.

BLACKWELL, OKLA.

The Oklahoma Inter-State Poultry and
Pet Stock Association recently elected
the following officers. W. H. Thompson,
president; R. C. Simonds, vice-president;
Geo. M. Carson, secretary-treasurer; F.
W. Stone, superintendent, all of Black-
well. Geo. M. Carson, Sec.

GOSHEN, IND.

The Northern Indiana and Southern
Michigan Poultry, Pigeon and Pet Stock
Association will hold their annual show
Jan. 1-6, 1906. W. C. Ellison and J. W.
Mulineaux, judges. J. A. Zollinger, Sec.

ROCKFORD, ILL.

The Rockford Poultry and Pet Stock
Association will hold their annual show,
Jan. 15-20, 1906. Frank Heck, judge.
CHAS. S. GILBERT, Sec.

ABERDEEN, MISS.

The Mississippi Poultry and Pet Stock
Association will hold their fifth annual
exhibition, Dec. 26 to 30, 1905. S. T.
Lea, judge. Catalogue ready, Sept. 15th.
Addison Brannin, Sec.

Leg Bands
Note Reduced Prices.

CLIMAX.—Stay on kind.
Millions in use. Always
popular. Postpaid: 12, 15c;
25, 30c; 50, 45c; 100, 75c; 250,
\$1.75; 500, \$3.25; 1000, \$6.00.

SMITH SEALED.—Offi-
cial Bands of Pan-American
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Used by best breeders
everywhere. 12, 30c; 25, 50c;
60, \$1.00; 100, \$1.50; 250, \$3.-
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DOUBLE CLINCH.—
Best made and most popu-
lar flat band on the market.
Gives universal satisfaction.
Same prices as Eclipse.

ECLIPSE.—A favorite
because it's easy to put on
and stays on. 12, 15c; 25,
25c; 50, 40c; 100, 65c; 250,
\$1.50; 500, \$2.75; 1000, \$5.25.

Send stamp for samples
and our new Catalog of Leg
Bands & other specialties.

The Keyes-Davis Co., Ltd.,
Manufacturers, Dept. No. B
BATTLE CREEK, MICH.

DUBUQUE, IOWA.

The ninth annual exhibition of the Mississippi Valley Poultry Association will be held during the week, Jan. 15-20, 1906. Judge A. B. Shaner will place the awards. For further information, address W. Bullen, Sec.

HENNESSEY, OKLA.

The Hennessey Poultry and Pet Stock Association will hold their annual show, Jan. 7, 1905. C. A. Emry, judge. H. A. Pain, Sec.

CAMBRIDGE, OHIO.

The Cambridge Fanciers' Association will hold their sixth annual exhibition Jan. 3-6, 1906. D. J. Lambert, judge. Jas. C. Sarchert, Sec.

MINONK, ILL.

The Woodford County Poultry and Corn Growers' Association will hold an exhibition Jan. 8-12, 1906. Geo. A. Heyl, judge. R. H. Parks, Sec., Benson, Ill.

ANTWERP, OHIO.

The second annual show of the Antwerp Poultry and Pet Stock Association will be held Dec. 4-7, 1905. Eugene Sites, judge. C. A. Bissell, Sec.

QUINCY, MICH.

The fourth annual exhibition of the Quincy Poultry and Pet Stock Association will be held Dec. 12-15, 1905. A. L. Massey, Sec.

AUBURN, N. Y.

The fifth annual exhibition of the Au-

burn Fanciers' Association will be held Jan. 18-22, 1906. W. J. Stanton, H. J. Quilhot, Geo. W. Webb, Andrew Riddell, L. M. Hallenbeck and Clarence W. King, judges. J. H. Scott, Sec.

TARKIO, MO.

The annual exhibition of the Atchison County Poultry Association will be held Nov. 21-25, 1905. Adam Thompson, judge. Gussie White, Sec.

UNION, IOWA.

The annual show of the Hardin County Poultry Association will be held Dec. 2-6, 1905. F. H. Shellaburger, judge. O. E. Smith, Sec.

TAYLORSVILLE, ILL.

The fifth annual exhibition of the Christian County Poultry and Pet Stock Association will be held Dec. 6-9, 1905. Thomas F. Rigg, judge. James Hunter, Sec.

FREMONT, NEB.

The Dodge County Poultry Association will hold its sixth annual show Dec. 26-29, 1905. J. L. Todd, judge. W. H. Haven, Sec.

HUDSON, MICH.

The Southern Michigan Poultry, Pigeon and Game Fanciers' Association will hold a show Jan. 31 to Feb. 3, 1906, at Hudson, Mich. L. S. Brown, Sec.

POINT MARION, PA.

The Interstate Poultry Assn. will hold their first annual exhibition Jan. 3-6,

1906. Wick Hathaway, judge. Point Marion is located at the junction of the Cheat and Monongahela rivers, 93 miles south of Pittsburg, in an entirely new fancy poultry district. They promise a show that will benefit poultry fraternity. H. C. Davis, secretary of the association, informs us that catalogues will be ready for mailing September 1, 1905. Those desiring catalogues whose names are not on his mailing list can have same by writing postal card.

YOUNGSTOWN, OHIO.

The Mahoning and Shenango Valley Poultry Association are going to give a show at Youngstown, O., Dec. 5-9, 1905. F. E. Orr, judge. C. E. Watwood, Sec.

ALBERT LEA, MINN.

The second annual show of the Freeborn County Poultry Association will be held at Albert Lea, Minn., Jan. 19 to 23, 1906. Chas. McClave, judge. R. B. Thompson, Sec.

CLARINDA, IOWA.

The Clarinda Inter-State Poultry and Pet Stock Society will hold their annual show Dec. 11-15, 1905. W. S. Russell, judge. Brady Ustick, Sec., Clarinda, Ia.

SHELBYVILLE, IND.

Editor AMERICAN POULTRY JOURNAL.
Dear Sir: Tell your readers, and especially the exhibitors, that the great Indiana State fair is Sept. 11-15, that we offer more money and pay out more money on poultry than any of them, and pay all premiums before the fair closes. Send to Chas. Downing, Indianapolis,

Irrigation Is Independence

In working unirrigated land, the farmer is dependent for success on moisture and sunshine. Irrigation makes him independent of rain but he needs light and heat. In the Yellow Stone Valley the sun shines 300 days out of the 365. See the point? The land is rich, markets and transportation facilities of the best.

"The Yellowstone Valley is noted for its large strawberries, luscious raspberries, and richly flavored blackberries. Apples of the finest quality are grown. Pears, grapes, plums, and cherries are harvested in great profusion. The people make big displays of tomatoes, sweet potatoes, hops and flowers at the annual county fairs."

It is traversed by the

Northern Pacific Railway

Irrigated lands in this valley produce per acre per year as follows:

Alfalfa, three crops, 5 to 7 tons	Oats, one crop, 40 to 90 bushels, machine measure
Timothy, one crop, 2½ tons	Barley, one crop, 40 to 60 " " "
Potatoes, one crop, 300 to 600 bushels	

Hundreds of thousands of acres of land along the Northern Pacific Railway in North Dakota, Montana and Washington are, and will be made available for cultivation by government and private irrigation projects. Write for maps and pamphlets to C. W. Mott, General Emigration Agent, St. Paul. One way Colonist tickets at greatly reduced rates on sale September 15—October 31. Ask about round trip Homeseeker's tickets. A. M. Cleland, General Passenger Agent, Fourth and Broadway Streets, St. Paul, Minn.

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Cheap and inferior goods will never pay you. We have the best selected stock of supplies in America. Jewel Chick Feed is fast taking the place of all other grain food. It does the work. Chicks live and grow like weeds. Our Alfalfa Meal and Beef Scraps are superior goods. No other brands equal them.

We carry full line of Coops, Egg Boxes, Spray Pumps, Drinking Fountains, Feed Boxes, Grit Shells, Beef Meal, Midland Food, Granulated Bone, Blood Meal, Louse Powder and Paint. Our prices are right.

Send for our catalog, it is of value to you.

POULTRY SUPPLY DEPARTMENT—Box "E"

INTERNATIONAL STOCK FOOD CO.
Minneapolis, Minn.

POULTRY PAYS



when the hens lay. Keep them laying. For hatching and brooding use the best reasonable priced incubators and brooders—built upon honor, sold upon guarantee.

THE ORMAS
BANTA MFG. CO., Ligonier, Indiana.

Brooks' Sure Cure

Brooks' Appliance. New discovery. Wonderful. No obnoxious springs or pads. Automatic Air Cushions. Binds and draws the broken parts together as you would a broken limb. No salves. No lymphol. No lies. Durable, cheap. Pat. Sept. 10, '01.

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Don't pay high prices and freight on grit. Get a

HUMPHREY
Grit Mortar

and make your own grit from stones, broken crockery, etc. Price only 83. Send today for free catalog of bone cutters, clover cutters, brooders, etc.

HUMPHREY,
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For Only 75 Cts.

We Send

AMERICAN
Poultry Journal

One year, and a copy of the book entitled

200 EGGS A YEAR PER HEN

The demand for this book has been so great that the third edition has been exhausted, and a fourth edition of 5000 copies has just been printed. It tells how to get the greatest number of eggs at the lowest possible cost. Send orders direct to

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Ind., for premium list and enter in time your stock. No entry fees, no coop rent, and you can show same chickens in pens as you show in classes, saving bringing so many and express charges. Enter in time and ship in time, as we judge stock on first day of fair, and you can advertise all you want to, and the crowd will be there to see your stock.

SID CONGER, Supt. Poultry Dept.,
Shelbyville, Ind.

GLOVERSVILLE, N. Y.

The Fulton County Poultry and Pet Stock Club will hold their first annual exhibition Nov. 20-25, 1905. Drevestadt, Zimmer, Stanton and Speaker, judges. Jacob H. Blunck, Sec., Johnstown, N. Y.

OWOSSO, MICH.

The Shiawassee County Poultry Association will hold their annual show at Owosso, Mich., Dec. 6-8, 1905. James Tucker, judge. Bert Lovitt, Sec.

JACKSON, MICH.

The Jackson, Mich., Poultry and Pet Stock Association will hold a show in Jackson Dec. 7, 8 and 9, 1905. C. W. Kroosz, secretary and Frank W. Travis, judge. For further information address the secretary, 222 Mansion St., Jackson, Mich.

ROCHESTER, MINN.

The Southeastern Minnesota Poultry Association will hold its third annual show in the city of Rochester, Dec. 11-15, 1905. Geo. D. Holden, judge. Louis E. Nietz, Sec.

SOUTH OMAHA, NEB.

The poultry fanciers of Douglas and Sarpy counties, Nebraska, met at Council Bluffs, Iowa, and organized the Tri-City Poultry and Pet Stock Association, and will hold their first show at South Omaha, Neb., Jan. 2-7, 1906. Adam Thompson will do the judging. Samuel Nevins, secretary.

EVANSVILLE, IND.

The first annual exhibition of the Evansville Poultry, Pigeon and Pet Stock Association will be held at Evansville, Ind., January 8-13 inclusive, 1906. The

following judges have been secured: Mr. W. C. Pierce, of Indianapolis, Ind., and Mr. R. H. Young of Louisville, Ky. Copies of the premium list, which will be ready for mailing about Dec. 1 may be secured by addressing the secretary, H. J. Reimer, 107 Heinlein avenue, Evansville, Ind.

OREGON, ILL.

The Ogle County Poultry and Pet Stock Association will hold their third annual show Dec. 26-31, 1905. W. C. Pierce, judge; L. H. Valentine, secretary.

BETHANY, ILL.

The Moultrie County Poultry and Pet Stock Association will hold their second annual show Dec. 5-9, 1905. Walter Roney, secretary.

EMPORIA, KANS.

At a recent meeting of the Emporia Fanciers Club the name of that organization was changed back to the Lyon County Poultry Association. Their next show will be held Dec. 5-9, 1905. J. J. Atherton and John Dudley will do the judging. D. M. May, secretary.

LYNN, MASS.

The ninth annual show of the Lynn Poultry Association will be held in Odd Fellows' Hall, Lynn, Mass., Jan. 2-5, 1906. The judges engaged are D. P. Shove, C. S. Flanders, J. Fred Watson and W. B. Atherton. Chas. E. Hunt, secretary.

ROANOKE, VA.

The great Roanoke Fair, to take place Sept. 26-29, 1905, in the city of Roanoke, Va., promises to eclipse the very successful exhibition of last year. It will be under the same liberal and aggressive management.

MARIETTA, O.

The Parkersburg-Marietta Poultry and Pet Stock Association will hold their fourth annual exhibition Dec. 26-29, 1905. H. A. Emmel, Mars, Pa., will place the awards by score-card. Our former shows have been a success and this promises to excel all others and will rank as one of the best score-card shows of the year.



S. C. White Leghorns
White Rocks
White Wyandottes
Barred Rocks
Black Minorcas
Light Brahmas

About 2000 laying bred stock for sale.

Cockerels \$2.00 and up.
Mated Pens \$10.00 up.

GREATEST Prize Winning Strain in America

Old and young stock in pink of show condition now ready. Breeding, exhibiting and conditioning have been a business with us for eighteen years, during which time our winnings have been unapproached at the largest shows.

Our patrons, the country over, have won for years on stock of our breeding.

1200 and over beauties growing under most favorable conditions to win the coveted blue ribbons at this season's exhibits.

28-page illustrated, descriptive booklet, free to readers of this paper. Write today.

Elm Poultry Yards, Box 121 Hartford, Conn.
Estab. 1888

Exhibitors will be treated with every courtesy and their birds given the best of care and treatment. Premium list now ready. Address all communications to A. I. Spencer, secretary, Parkersburg, W. Va.

BROOKVILLE, PA.

The Jefferson County Agricultural Society will hold their next annual exhibition September 3-8, 1905. H. A. Emmel, Mars, Pa., will do the judging. Premium lists now ready. F. B. Henderson, Brookville, Pa., secretary.

ALBERT LEA, MINN.

The second annual show of the Freeborn County Poultry Association will be held at Albert Lea, Minn., Jan. 19 to 23, 1906. Chas. McClave, judge. R. B. Thompson, secretary. Further information furnished by applying to the secretary.

ERIE, PA.

The Northwestern Pennsylvania Poultry, Pigeon and Pet Stock Association will hold their tenth annual exhibition Nov. 27-Dec. 2, 1905. W. C. Pierce, judge; F. E. Thompson, secretary.

NASHVILLE, TENN.

At a recent meeting of the poultry fanciers of Nashville, Tenn., the Tennessee State Poultry Association was organized. The organization has been chartered with a capital of \$5,000. The association proposes to hold a show in Nashville some time in January. For further information address John A. Murkin, Jr., secretary.

FLINT, MICH.

The Genesee County Poultry and Pet Stock Association, Flint, Mich., announce that their third annual show will be held Dec. 12-15, 1905. Mr. T. E. Orr will do the judging. For premium

list and further information address the secretary, F. P. Wildman, Flint, Mich.

TOLEDO, OHIO.

The Toledo Fanciers' Association will hold their annual show January 31 to February 5, 1906. The following parties have been engaged to do the judging: Chas. McClave, Theo. Hewes, Ben Meers, F. C. Shepard, W. E. Standfield and J. W. Mulinix. Alva T. Baker, secretary.

MT. STERLING, ILL.

The Western Illinois Poultry Association will hold its annual show at Mt. Sterling, Ill., Nov. 29, Dec. 2, 1905. D. T. Heimlich, judge; Eugene Hambaugh, secretary.

WALLINGFORD, CONN.

The New Haven County Association will hold their annual show Dec. 29, 1905, to Jan. 1, 1906. Wm. J. Hogan, secretary. 28 William street, Wallingford, Conn.

LANSING, MICH.

The Central Michigan Poultry and Pet Stock Association will hold their annual show at Lansing, Mich., Dec. 26-30, 1905. F. W. Travis, judge; J. A. Turner, secretary.

SHOW NOTES.

Exhibiting fanciers will be pleased to learn that Cleveland is again in line. The Cleveland Fanciers Club Co., incorporated, will hold a show Jan. 29-Feb. 3. The officers of the company are: President, F. E. Pile; vice-presidents, Chas. McClave, D. B. Smith, G. E. Conkey, M. W. Wood; secretary, F. L. Gruhl; treasurer, Will C. Trapp; directors, F. E. Pile, Chas. McClave, D. B. Smith, G. E. Conkey, F. L. Gruhl, Wm. H. Humiston, Will C. Trapp, J. T. Conkey, W. R. Hinz, Geo. H. Gynn, M. W. Wood. The follow-

**A safe, sure, quick remedy
Pratts Hog Cholera Cure.**

Made by Pratt Food Co., Phila. Over 30 years old.

GOLDEN and WHITE WYANDOTTES

Special sale of cockerels. Lots of six each \$6 and \$3 according to quality. All stock at reasonable prices. Stock of the best Chicago winners. Send for circular. A. W. DAVIS Box 20, Big Rock, Ill.

SUNNY SIDE POULTRY FARM

Black Langshans, American Reds, Barred Plymouth Rocks. Winners wherever shown. Eggs and stock in season. Sunny Side Poultry Farm, Adrian, Mich.

Mason's Buff Rocks

are better than ever this season. Want a winner from famous World's Fair winners? Pure Nugget Strain. H. P. MASON FAYETTE, MO.

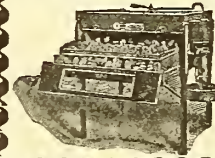
FIVE THOUSAND LAND AND WATER FOWLS

FOR SALE. Also will sell some of my prize winning breeding yards. Send 10c for 100-page catalogue telling all about poultry, posies and hogs. GEO. A. HEYL Washington, Ill.

Barred Rocks, 1904,

Michigan State Fair, 1st, 2d cks., 1st ck., 2d hen. Fenton, Mich., 5 lts, 3 2ds, 2 3ds. Grand Rapids State Show, 1st ckl., 4th hen, 2d pen. Pontiac, Mich., 4 lts, 3 2ds, 2 3ds, 3 4ths. Prize winners in breeding pens. Eggs in season. B. G. WESTFALL, Oak Grove, Mich.

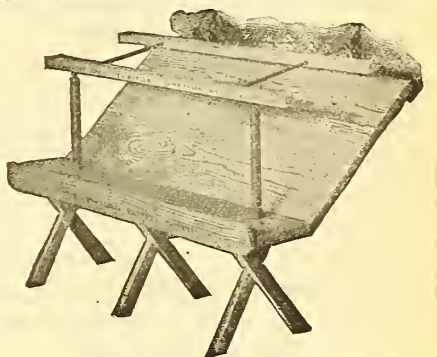
WOMEN MAKE MONEY



hatching chickens with the Gem Incubator, that low-priced, high-grade, absolutely-reliable, up-to-date Hatcher. Sure profits. Now is the time to prepare for the early hatching season. Write today for a beautiful catalogue FREE. GEM INCUBATOR CO. Box 8 Dayton, Ohio

DON'T BUILD

that new hen house or think of fixing up the old one until you have secured a copy of our large thirty-page catalogue on Poultry House Fixtures. You will then decide, as have hundreds of other poultry raisers in every part of the country that



The Potter Portable Henny Outfit and Vermin Exterminator Roost

are the greatest improvements of the age in the line of up-to-date, convenient, time and labor saving poultry house fittings. They are the 20th century fixtures; they save you time, labor, worry and money in your poultry work. You can never successfully and properly do this work and get the results you want, clean and sanitary quarters, healthier fowls and larger egg production until you have your house equipped in the right manner. Our fixtures are made in three styles and over 40 sizes; so we can fit up any house large or small, no matter how arranged. Some people buy two outfits and others buy twenty-five. You can decide just what you need after reading our fully illustrated catalog. Write today enclosing one red stamp.

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Box A, Downers Grove, Ill.

BROWN LEGHORNS:

THE EMPIRE STRAIN ALWAYS WINS.



GEO. H. BURGOTT,

LAWTONS CATALOGUE FREE. LAWTONS, ERIE CO.,

N. Y.

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MADISON SQUARE GARDEN.

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FREE SAMPLE

Ever since the day of Noah, Pitch has been used to resist water. Water is absolutely powerless against it. Thus, an AMATITE roof, which consists of two layers of Pitch between sheets of tough felt, with a mineral surface on top, is absolutely weather-proof. Rain, wind, heat or cold do not effect it. Send for Free Sample and booklet.

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WILLIAMS' SHAVING SOAP

Sold everywhere. Free trial sample for 2-cent stamp. Write for "The Shavers Guide and How to Dress Correctly."

The J. B. Williams Co., Glastonbury, Conn.

PARLOR POULTRY YARDS, F. C. Tabor, Prop., Worcester, N. Y. Tabor's 200-egg strain of R. C. B. Leghorns lead, others follow. At Madison Square Garden, Jan., 1905 1st cock bird in the strongest class ever shown at the great World's Fair, St. Louis, 1904, 4 6 hen, 6th pullet, 2d pen. Eggs from special matings \$1 per 13 Catalogue free. Stock for sale.

NOW IS THE TIME To begin making calculations on your poultry matters for the coming season. I am still in business with either birds or eggs of the Rose Comb Brown Leghorns, Barred Plymouth Rocks and Buff Orpingtons and Silver Laced Wyandottes. **JAS. H. TROUGH, Minden, Neb.**

WHITE WYANDOTTES

from good cock birds and year old hens. All good and only a few to spare.

K.-G. POULTRY YARDS, Circleville, Ohio.

Light Brahma Closing Out Sale

All of my breeders. Hens \$2 each, three for \$5. Barred Rock cockerels that are fine.

GEO. O. ANDERSON R. R. 5, Rushville, Ind.

West Michigan Poultry Farm

Bangor, Mich.

Barred Rocks, White Rocks
White Wyandottes

Silver Wyandottes

Two big Chicago shows—eight first prizes. Stock to spare at right prices. Eggs for hatching. Write for particulars.

W. H. MILLARD, Genoa, Ill.

BLACK, BUFF AND PARTRIDGE

COCHINS

And Bearded Silver Polish.

EGGS \$2 and \$3 per 13. Birds \$2 to \$10 each: \$5 to \$20 per trio. Prize winners for twenty-four years. Circular free.

Dr. H. F. Ballard Chenoa, Ill.

Ideal Aluminum LEG BANDS



are the acknowledged leaders. Firmest and most secure lock. Quickly put on and guaranteed to stay on. Price, postpaid, 12 for 15c; 25-30c; 50-50c; 100-75c. All supply dealers

sell them. Sample band and B. P. Rock circular sent for 2c stamp. Frank Myers, Mfr., Box 40, Freeport, Ill.

White Wyandottes

Duston's breeding and exhibition birds of high quality, farm raised and bred in line from my prize winners. While they did not get any ribbons at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable price, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN,

Beardstown, Ill.

ing named judges will place the awards: T. E. Orr, Thos. F. Rigg, Chas. McClave, Theo Hewes, Eugene Sites. The judging will be by comparison.

The Christian County Poultry and Pet Stock Association will hold show at Taylorville, Ill., Dec. 6-9. Secretary C. E. Barnes writes: "We have added a corn exhibit, which proved very successful last year. In addition to our regular and special premiums, which are very liberal, we will give to the best pen of each of the prominent varieties \$2.00 cash. Each evening we give an entertainment consisting of vocal and instrumental music, and literary exercises by the best talent of our state. We propose to please all. Thos. F. Rigg, judge."

Secretary Foley of the Cincinnati association, announces the following judges for the forthcoming show: Theo Hewes, Thos. F. Rigg, T. E. Orr, F. C. Shepard. Names of additional judges will be announced later.

Painesville, Ohio, will hold show the week of Jan. 8. Thos. F. Rigg, judge. F. M. Crowther, Sec., Willoughby, Ohio.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: The International Rose Comb Black Minorca Club has provided special ribbons and will distribute them to be competed for in the leading shows of states where the club has sufficient membership to warrant it. Each of the following states have already the required number of members: Indiana, Massachusetts, New Jersey, New Hampshire, New York, Wisconsin, Connecticut, Michigan, Vermont, Illinois, North Carolina, Kentucky, Montana, Pennsylvania, Ohio, Washington and Missouri, also District of Columbia and the Provinces of Ontario and Nova Scotia, Canada. The indications are that other states will be entitled to ribbons before this is published, therefore I invite correspondence with the secretaries of poultry exhibitions throughout the United States and Canada on the subject of rib-

Heavey horse? Cure or sell him,
first use Pratts Heave Cure.

Made by Pratt Food Co., Phila. Over 30 years old.

bons for club competition in their respective shows.

Breeders of Rose Comb Black Minorcas who are not already members of the International Rose Comb Black Minorca Club should join it at once that they may be eligible to compete for all the club's ribbons, cash prizes and cups which will be offered during the coming winter. Dues \$2 for initiation and one year membership.

Prospective members and show secretaries should address for particulars,

GEORGE H. NORTHUP, Secy-Treas.

Raceville, N. Y.

WYOMING WANTS FIVE HUNDRED CHICKEN RANCHES.

The governor of Wyoming, B. B. Brooks, has just issued a pamphlet on the state. Among the score or more of things the state is in need of, according to this reliable source of information, are chicken ranches. The generosity of the general government toward this region, in the appropriation of immense sums of money for irrigation projects, has made agriculture a certain possibility. Logically, any of the branches of business usually carried on in connection with the industry may profitably follow. The past season spring chickens sold for sixty-five cents each. Hens are six dollars per dozen; eggs are never less than 25 cents, and during the winter as high as 50 cents per dozen. Turkeys sell for 25 cents per pound. These are easily raised because of the absence of dewy mornings. They find a great part of their food from the grassheppers. Where cows are kept the year around without feeding the curd for the young turkeys is without cost. A small field of grain planted near the range of the fowls furnishes another kind of food with a minimum of labor and cost.

Like other occupations, the most interesting part of poultry raising is the money part. There is no doubt this state offers golden opportunities to any one with the proper amount of energy and capital.

KATE C. STANARD.

Casper, Wyo.

Proper exercise in time is worth more than all the medicine you can give a fowl after it is sick.

S. C. W. Leghorns

100 fine yearling breeding hens for sale, and some fine yearling cocks. Also 100 three-months-old cocks from my best matings. Write for catalogue to

W. L. FERN, Elgin, Illinois

— \$100.00 IN CASH —

Was won by Vanatta's S. C. White Leghorns at St. Louis World's Fair. At Chicago, January, 1904, I entered three cockerels in class of fourteen and won 1st, 3d and 5th cockerel. Choice breeding and exhibition cockerels, hens, pullets, trios and pens for sale cheap.

E. E. VANATTA, R. F. D. 8, Vandalia, Mo.

Long Tailed Yokohamas

The most remarkable and handsome breed of Poultry. Tails of yearling cocks are from three to five feet long. Saddle feathers touch the ground. Absolutely hardy, great layers, excellent foragers. Have pairs of old and young stock for sale, and will be glad to quote prices and describe more fully

JAPANESE BANTAMS

My collection has long been acknowledged "America's Best." Can sell winners for fall fairs and winter shows in black tails, Blacks, Whites, Golden, Silvers, Variegated, Buff, Black Breasted Red and Mottled. Also have some excellent breeders to offer. Nobby Black Breasted Red Game Bantams for sale—both old and young.

FRANK W. RADFORD

OSHKOSH, WIS.

LIST OF SPECIALTY CLUBS.

For the convenience of those who may desire to join a specialty club devoted to their variety, we present below a list of specialty clubs which we believe is correct in every particular. If there are any errors in it we would appreciate hearing from those who are in position to give the correct information.

- AMERICAN WHITE PLYMOUTH ROCK CLUB, Seth W. Gregory, Sec'y, Delavan, Wis.
 AMERICAN PLYMOUTH ROCK CLUB, H. P. Schwab, Sec'y, Rochester, N. Y.
 AMERICAN BUFF PLYMOUTH ROCK CLUB, W. C. Denny, Sec'y, Buffalo, N. Y.
 NEW ENGLAND PLYMOUTH ROCK CLUB, W. B. Atherton, Sec'y, Randolph, Mass.
 AMERICAN BUFF WYANDOTTE CLUB, W. T. Ford, Sec'y, Troy, N. Y.
 AMERICAN WHITE WYANDOTTE CLUB, Maurice F. Delano, Sec'y, Suffield, Conn.
 SILVER WYANDOTTE CLUB OF AMERICA, A. C. LeDuc, Sec'y, Chenoa, Ill.
 KANSAS WHITE WYANDOTTE CLUB, Mrs. M. M. Gennette, Sec'y, Florence, Kan.
 GOLDEN WYANDOTTE CLUB, A. W. Davis, Sec'y, Big Rock, Ill.
 NATIONAL WHITE WYANDOTTE CLUB, Ross C. H. Hallock, Sec'y, St. Louis, Mo.
 THE PARTRIDGE WYANDOTTE CLUB OF AMERICA, W. Jackman, Sec'y, Hodgkins St., Gloucester, Mass.
 SILVER PENCILED WYANDOTTE CLUB OF AMERICA, G. S. Boller, Sec'y, Little Valley, N. Y.
 AMERICAN BUFF LEGHORN CLUB, Geo. S. Barnes, Sec'y, Battle Creek, Mich.
 AMERICAN LEGHORN CLUB, W. W. Babcock, Sec'y, Bath, N. Y.
 NATIONAL SINGLE COMB WHITE LEGHORN CLUB, Irving F. Rice, Sec'y, Cortland, N. Y.
 AMERICAN ROSE COMB BROWN LEGHORN CLUB, Fred Alger, Sec'y, Waukau, Wis.
 AMERICAN SINGLE COMB BROWN LEGHORN CLUB, C. A. Dutton, Sec'y, Pine Grove, Pa.
 AMERICAN ROSE COMB WHITE LEGHORN CLUB, Chas. H. Rose, Sec'y, Peoria, Ill.
 AMERICAN BLACK MINORCA CLUB, H. C. Wheeler, Sec'y, Lyndonville, Vt.
 AMERICAN ROSE COMB BLACK MINORCA CLUB, S. T. Campbell, Sec'y, Mansfield, Ohio.
 INTERNATIONAL ROSE COMB BLACK MINORCA CLUB, Geo. H. Northup, Sec'y, Raceville, N. Y.
 AMERICAN WHITE MINORCA CLUB, Wm. Sapper, Sec'y, Erie, Pa.
 THE RHODE ISLAND RED CLUB OF AMERICA, W. J. Drisko, Sec'y, Somerville, Mass.
 NATIONAL S. C. RHODE ISLAND CLUB OF AMERICA, Dr. G. D. Wilcoxson, Sec'y, Freeport, Ill.
 AMERICAN RED CLUB, F. D. Baerman, Sec'y, Dunellen, N. J.
 AMERICAN ORPINGTON CLUB, Chas. Edw. Faber, Sec'y, Plainfield, N. J.
 NATIONAL SINGLE COMB BUFF ORPINGTON CLUB, Will H. Schadt, Sec'y, Goshen, Ind.
 HAMBURG FANCIERS' CLUB, Robert Treat Paine, Jr., Sec'y, 85 State St., Boston, Mass.
 THE AMERICAN DORKING CLUB, Watson Westfall, Sec'y, 175 Cayuta St., Sayre, Pa.
 AMERICAN HOUDAN CLUB, Daniel P. Shove, Sec'y, Fall River, Mass.
 AMERICAN LIGHT BRAHMA CLUB, John Rumbold, Sec'y-Treas., 119 W. Barre St., Baltimore, Md.
 NEW ENGLAND LIGHT BRAHMA CLUB, A. J. Rowan, Sec'y, Belmont, Mass.
 AMERICAN BUFF COCHIN CLUB, E. W. Rankin, Sec'y, St. Paul, Minn.
 AMERICAN POLISH CLUB, M. V. Caldwell, Sec'y, Leetonia, Ohio.
 INDIAN GAME CLUB OF AMERICA, H. A. Huey, Sec'y, Casnovia, Mich.
 AMERICAN EXHIBITION GAME AND GAME BANTAM CLUB, Chas. T. Cornman, Sec'y, Carlisle, Pa.
 INTERNATIONAL BANTAM BREEDERS' CLUB, Frank W. Radford, Sec'y, Oshkosh, Wis.
 AMERICAN WHITE LANGSHAN CLUB, A. H. Asche, Sec'y, Princeton, Ill.
 THE NATIONAL TOULOUSE GOOSE CLUB, Mrs. B. F. Hislop, Sec'y, Milford, Ill.
 THE NATIONAL BRONZE TURKEY CLUB, Mrs. B. F. Hislop, Sec'y, Milford, Ill.
 INTERNATIONAL WATER FOWL ASSOCIATION, Theo. F. Jager, Sec'y, Barnard, N. Y.
 WATER FOWL CLUB OF AMERICA, A. J. Kreulter, Sec'y, Seneca Falls, N. Y.

MOLTING

A good tonic. **POULTONA** is indispensable in molting; shortens the time; gives good health; good color; produces a perfect molt and early laying.

Sample package, post paid, 25c.

Incomparable for keeping fowls in perfect condition. A sure cure for cholera.

A. E. GREEN CO. Morgan Park, Ill.

A Wonderful Strain of Buff Cochins

None other possesses such perfect Cochin form, (that massive, globular type), such profuse, yet soft feathering, such color, such size. Bred in line for twelve years.

Parties wanting the best to be had, to win and breed winners, should send for our handsome free booklet and state wants.

H. N. HANCHETT, Jackson, Michigan

BEEF SCRAPSC

Free from taint, 80 per cent protein. A great egg producer, \$2.25 per 100 lb. bag. Other

DARLING
 100 lb. bag specialties: Beef Meal, \$1.80; Laying Food, \$2.25; Chick Feed, \$2.50; Granulated Bone, \$2.00; Oyster Shells, 60c.; Mica Crystal Grit, 65c. All f. o. b. Chicago, cash with order. Send for "Fill the Egg Basket" and large Supply Catalog. Free.
 Darling & Company, Dept. C Union Stock Yards, Chicago

AN EGG FACTORY

must be furnished the proper raw materials to keep going to its full capacity. **HARVEY'S Electric Poultry Food** will keep your hens busy in winter when eggs are high—lots more money in winter eggs; you ought to feed for it. Write for our free catalogue—tells how. Harvey Seed Co., 80 Ellicott St., Buffalo, N. Y.



FARM TELEPHONES
 save millions of dollars for farmers every year. Every up-to-date farmer should have one. It keeps you in touch with the markets—connects you with the city—the doctor—the depot—and your neighbors, and **ANDRAE TELEPHONES** are the best of all. Write to us and we will send you FREE our booklet, How to Construct a Farmer's TELEPHONE LINE. Address Julius Andrae & Sons Co., 528 West Water St., Milwaukee Wis.

"Truth in an Eggshell" The Strongest, Healthiest Chicks are hatched in CORNELL INCUBATORS

Experienced operators say that in construction, finish and hatching power **THE CORNELL** distances all other incubators. It is extensively used on the Government Poultry Farms and successful poultry and duck plants of six continents. Here's proof:
 Cortland, N. Y., July 22, 1905. Cornell Incubator Mfg. Co., Ithaca, N. Y. Dear Sirs:—In regard to the new machine, I liked it very much and got satisfactory hatches. I ran it three times and got 81-85-87 chicks from 108 eggs started each time. Irving F. Rice, Sunny Bank Poultry Farm. Send for the Cornell illustrated Catalogue and Book of Reference for Poultrymen. Free for the asking. Cornell Incubator Mfg. Co., Box 106 C, Ithaca, N. Y.

Poultry Pointers

Tells how to feed chicks and all fowls, also use of beef scraps, bone, etc. Its free. Write for it.
Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.

FINE YOUNG BUFF ROCKS

From high scoring stock for sale.

F. WHALEY TURNEY, MO.

Doane's Minorcas

are farm raised. Eggs from best matings \$1.50 for balance of season. Orders from ad direct promptly filled.
J. H. DOANE, Leck Box 4, Gouverneur, N. Y.

BLACK LANGSHANS

I won the \$25 Challenge Trophy Cup for highest scoring cock, hen and pullet at the great Chicago Heights Show, 1905. Also silver cup for highest scoring pen in Asiatic class. Stock and eggs for sale. Send for circular and price list. R. A. Hewes, Box 1, Crete, Ill.

PLANE'S S. C. W. LEGHORNS

Are specially mated for egg production, while their show record proves them to be superior in exhibition; my customers winning all over the country.

JOHN C. PLANE, Bedford, Ill.

Member National Single Comb White Leghorn Club.

The Real Thing

McClave's matchless prize winning White, Golden and Silver Wyandottes, Barred and White Rocks, White and Brown Leghorns, Black Hamburgs, Lt. Brahmas, Langshans, R. C. Bantams, big Bronze Turkeys, White and Narganset Turkeys, all standard varieties of Geese and Ducks, and Scotch Collie Shepherd Dogs. Prices reasonable. Best quality. Write.

CHAS. McCLAVE Box 746 New London, Ohio.

AUTOCRATS OF SHOW ROOM AND UTILITY...

Black Minorcas—W. P. Rocks

Make a sweeping win at late New York Madison Square Garden Show. Four 1sts, two 2ds, including 1st and 2d pens on Minorcas and four 1sts, including 1st pen on Rocks. Grand total eight 1sts and one 2d out of possible 10 1sts in largest and strongest classes each variety ever shown in Garden. Grand chks. and pullets line-bred direct from the winners after September.

Greystone Poultry Farm, Yonkers, N. Y.



Wiebke's S. C. Brown Leghorns

Chicago, Ill., January, 1905, 2d cock, 2d, 3d cockerel, 1st pullet, 1st pen, 10 specials on 8 birds. Madison Square Garden, Jan., 1905, 1st cock, 3d pullet. Winners of 30 1sts at Chicago, Indianapolis, Cleveland, Ft. Wayne, Eggs \$2 and \$5 per setting. Circular free. W. H. WIEBKE, Box P 2901, Ft. Wayne, Ind.

THE IMPROVED CHAMPION LEG BAND



Aluminum or copper, two sizes, adjustable to fit any fowl. Held by double lock. They can't lose off. Initials, 10 cents per 100 extra. Also Pigeon Bands.



THE SUPERIOR

is securely locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind, No. to suit, 12, 15c, 25, 30c, 50, 50c, 100, 80c. Sample for stamp. Circular free.

T. CADWALLADER, Box 502, Salem, Ohio.

U WANT TO BUY MY WHITE WYANDOTTES TO BE PLEASED WITH THEM.

This year I have only a limited number of stock for sale, but they are a little better than ever shipped before. Almost every bird a prize winner. The Maple Side strain of W. Wyandottes have for 10 years given satisfaction, and won more than their share of prizes. The birds I offer this year are the acme of perfection. Tell me your needs and let me quote prices. Have I said enough?

MAPLE SIDE POULTRY YARDS

Chas. Nixon, Prop., Box 202, Washington, N. J.

I WANT THE MONEY YOU INVEST TO ALWAYS PLEASE YOU

Poultry Show Dates For 1905-6.

[We would be pleased to have the Secretaries of poultry show notify us of any errors or changes in the following list, as it is our desire to make this as near correct as possible.]

- Oct. 2-7—Cedar Rapids, Iowa. Shellabarger, judge; S. D. Smith, secretary.
Oct. 5-12—Portland, Ore. Poultry and pet stock exhibition held in conjunction with the Lewis and Clark Centennial and American-Pacific Exposition and Oriental Fair. Judges: George D. Holden, Theodore Hewes, C. G. Hinds, Ross C. H. Hallock, F. W. Downing, W. H. Ladd, H. H. Collier, J. Wilkinson. C. T. Hunts, secretary, Portland, Ore.
Nov. 13-17—Garnett, Kan. Hattie A. Weld, secretary.
Nov. 14-17—Greenfield, Ill. W. S. Russell, judge; H. C. Smith, secretary.
Nov. 16-18—Warsaw, Ill. W. S. Russell, judge; Paul Helse, secretary.
Nov. 20-22—Newton Falls, Ohio. Ira C. Keller, judge; C. H. Herner, secretary.
Nov. 20-25—Gloversville, N. Y. Stanton, Zimmer, Drevenstedt, judges; Jacob N. Blunck, secretary.
Nov. 21-23—Forrest, Ill. S. B. Johnston, judge; Clyde Johnston, secretary.
Nov. 21-24—West Haven, Conn. Nichols, Lambert, judges; E. J. Crawford, secretary.
Nov. 21-24—Tabor, Iowa. W. S. Russell, judge; E. H. Harrison, secretary.
Nov. 21-24—Muscatine, Iowa. B. S. Myers, judge; E. M. Zeigler, R. F. D. 7, secretary.
Nov. 21-25—Tarkio, Mo. Thompson, judge; Gussie White, Fairfax, Mo., secretary.
Nov. 22-25—Holyoke, Mass. Felch, Ballou, Shove, Pierce and Crangle, judges; George Barnett, Jr., secretary.
Nov. 22-25—Milan, Mo. F. H. Shellabarger, judge; J. A. Niblo, Jr., secretary.
Nov. 22-25—Carthage, Mo. C. H. Rhodes, judge; C. A. Emery, secretary.
Nov. 23-25—Warsaw, Ky. W. C. Pierce, judge; O. A. Bogardus, secretary.
Nov. 27-Dec. 2—Erie, Pa. W. C. Pierce, judge; F. E. Thompson, 451 West Tenth street, secretary.
Nov. 27-Dec. 2—San Francisco, Cal. Holden, Orr, Burgott, Berran, judges; J. C. Williams, 25 New Montgomery street, secretary.
No. 28-Dec. 1—Moline, Ill. J. M. Rapp, judge; Oscar Hogberg, 1409 Fourteenth street, secretary.
Nov. 28-Dec. 1—Boonville, Mo. D. T. Heimlich, judge; Charles Miller, secretary.
Nov. 28-Dec. 1—Fairfield, Iowa. A. B. Shaner, judge; John R. McElerry, secretary.
Nov. 28-Dec. 2—Great Bend, Kan. I. K. Felch, judge; F. L. Marsh, secretary.
Nov. 28-Dec. 2—Mason City, Iowa. W. S. Russell, judge; M. V. Bickel, secretary.
Nov. 29-Dec. 2—Corvallis, Ore. Robert Johnson, secretary.
Nov. 29-Dec. 2—Sanatoga, Pa. S. J. Kurtz, secretary.
Nov. 29-Dec. 2—Mount Sterling, Ill. Heimlich, judge; E. Hambaugh, secretary.
Nov. 29-30—DeLeon, Tex. Savage, judge; R. T. Bowman, secretary.
Nov. 29-Dec. 2—Dover, N. J. W. H. Bidgood, secretary.
Nov. 29-Dec. 5—Delta, Ohio. Ira C. Keller, judge; M. B. Hatton, secretary.
Nov. 30-Dec. 2—Danbury, Conn. Nichols, Drevenstedt, Card, judges; C. H. Brundage, secretary.
Nov. 30-Dec. 3—Jackson, Mich. Travis, Heck, judges; L. H. Hill, secretary.
Dec. 2-6—Union, Iowa. Shellabarger, judge; O. E. Smith, secretary.
Dec. 4-7—Antwerp, Ohio. Eugene Sites, judge; C. A. Bissell, secretary.
Dec. 4-8—Marshalltown, Iowa. Theodore Hewes, judge; H. C. Hansen, secretary.
Dec. 4-8—Lancaster, Mo. W. S. Russell, judge; Brice Hays, secretary.
Dec. 4-9—Rolle, Iowa. D. T. Heimlich, judge; A. R. Thornton, secretary.
Dec. 5-6—Easthampton, Mass. D. J. Lambert, judge; W. B. Drury, secretary.
Dec. 5-8—Auburn, Me. Smith, Hawkins, Atherton, Coffin, judges; A. L. Merrill, secretary.
Dec. 5-8—Waverly, Iowa. A. B. Shaner, judge; B. L. Burbank, secretary.
Dec. 5-8—Rising Sun, Ohio. Merle Reaick, secretary.
Dec. 5-8—Leominster, Mass. Atherton, Shove, Hawkins, Woodward, judges; L. D. Mudgett, secretary.
Dec. 5-8—Walden, N. Y. Drevenstedt, judge; H. W. Millsbaugh, secretary.
Dec. 5-9—Bethany, Ill. S. B. Lane, judge; Walter Roney, secretary.
Dec. 5-9—Emporia, Kan. Atherton, Dudley, judges; D. M. May, secretary-treasurer.
Dec. 5-9—Providence, R. I. W. J. Brown, secretary.
Dec. 5-9—Wilkesbarre, Pa. D. T. Miller, secretary.
Dec. 6-8—Paterson, N. J. James Handford, secretary.
Dec. 6-8—Owosso, Mich. Tucker, judge; Bert Lovett, secretary.
Dec. 6-9—Alameda, Cal. Dixon, Hinds, judges; C. A. Tracy, secretary.
Dec. 6-9—Taylorville, Ill. Rigg, judge; James Hunter, secretary.
Dec. 6-9—Waco, Tex. G. Knebel, judge; J. R. Davis, secretary.
Dec. 6-9—Youngstown, Ohio. T. E. Orr, judge; Charles E. Watwood, secretary.
Dec. 6-9—Craig, Mo. Shellabarger, judge; E. A. Kellogg, secretary.
Dec. 6-13—Charleston, S. C. Lea, Marshall, judges; C. J. McCarty, secretary.
Dec. 7-9—Jackson, Mich. Travis, judge; C. W. Krooz, 222 Mansion street, secretary.
Dec. 7-9—Marshall, Tex. Savage, judge; K. A. Powers, secretary.
Dec. 7-12—Stanberry, Mo. Russell, judge; Robert Larmer, secretary.
Dec. 8-9—Elgin, Tex. R. A. Davis, judge; A. J. Jarmon, secretary.
Dec. 11-15—Davenport, Iowa. James A. Tucker, judge; J. P. Voss, secretary.
Dec. 11-16—Oconomowoc, Wis. Dr. H. J. Larson, secretary.
Dec. 11-16—Warren, Ill. Shellabarger, judge; T. J. Rountree, secretary.
Dec. 11-16—Fort Wayne, Ind. T. E. Orr, judge; Philip A. Heller, secretary.
Dec. 11-16—Rochester, Minn. George D. Holden, judge; Louis E. Nietz, secretary.
Dec. 11-16—Dwight, Ill. Ben S. Myers, judge; H. A. Wood, secretary.
Dec. 11-18—Elwood, Ind. S. B. Lane, judge; S. W. Swihart, secretary.
Dec. 12-15—Beverly, Mass. Arthur Elliott, Peabody, Mass, secretary.
Dec. 12-15—Flint, Mich. F. P. Wildman, secretary.
Dec. 12-14—Milford, Mass. J. P. Remick, secretary.
Dec. 12-14—Falmouth, Mass. I. K. Felch, judge; R. E. Small, secretary.
Dec. 12-15—Quincy, Mich. McClave, judge; A. L. Massey, secretary.
Dec. 12-15—Monroe, N. C. Marshall, judge; T. F. Dillon, secretary.
Dec. 12-15—Salem, Ore. C. D. Minton, secretary.
Dec. 12-15—Birmingham, Ala. Johnston, judge; Charles Barber, 216 Twentieth street, secretary.
Dec. 12-16—Clarinda, Iowa. W. S. Russell, judge; Brady Ustick, secretary.
Dec. 12-16—Waverly, Iowa. B. L. Burbank, secretary.
Dec. 12-16—Fayette, Mo. Hewes, Rhodes, Emry, judges; H. P. Mason, secretary.
Dec. 12-16—Jacksonville, Ill. D. T. Heimlich, judge; O. L. Vought, secretary.
Dec. 13-15—Kingston, N. Y. Drevenstedt, judge; F. E. Miller, secretary.
Dec. 13-16—Blandon, Pa. E. G. Wilkinson, secretary.
Dec. 13-16—Fresno, Cal. R. J. Venn, Ben Woodhuil, judges; George R. Andrews, secretary.
Dec. 13-16—San Diego, Cal. Herbert M. Stiles, R. F. D. 1, secretary.
Dec. 13-16—Corsicana, Tex. Savage, judge; C. E. Papsworth, secretary.
Dec. 14-16—Rutherford, N. J. W. J. Stanton, C. M. Smith, judges; E. J. Irwin, secretary.
Dec. 15-21—Atlanta, Ga. Marshall, Johnston, judges; C. O. Harwell, secretary.
Dec. 17-23—Sullivan, Ind. H. E. Speake, secretary.
Dec. 17-23—Colorado Springs, Colo. Heimlich, judge; W. S. Trowbridge, secretary.
Dec. 18-22—Humeston, Iowa. W. S. Russell, judge; George W. King, secretary.
Dec. 18-23—Concord, N. H. H. C. Shaw, secretary, Milford, N. H.
Dec. 18-23—Columbus, Neb. Rhodes, judge; W. H. Swartsley, secretary.
Dec. 18-23—Haubstadt, Ind. D. T. MacClement, Evansville, Ind., secretary.
Dec. 18-22—Watertown, S. D. Rose E. Sanford, secretary.
Dec. 18-23—Iowa Falls, Iowa. A. B. Shaner, judge; N. S. Curtis, secretary.
Dec. 18-23—Hazleton, Pa. J. E. Anderson, secretary.
Dec. 19-22—Bedford, Iowa. Shellabarger, judge; S. C. Avery, secretary.

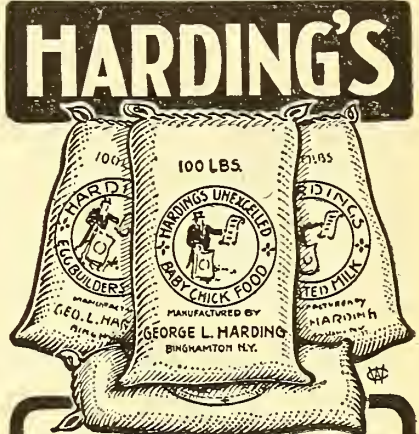
- Dec. 19-22—Albany, Ore. Claud W. Vunk, secretary.
 Dec. 19-23—Atlanta, Ga. H. F. Reils, secretary.
 Dec. 19-23—Catlin, Ill. C. F. Byerly, secretary.
 Dec. 19-23—Cisco, Tex. Savage, judge; A. H. Johnson, secretary.
 Dec. 19-23—Mohrsville, Pa. George W. Hatt, secretary.
 Dec. 20-22—Clarksburg, W. Va. T. E. Orr, judge; W. H. Lewis, secretary.
 Dec. 20-22—Cleveland, Tenn. A. J. Lawson, secretary.
 Dec. 25-30—Mankato, Minn. Holden, judge; J. W. Kallmann, secretary.
 Dec. 25-27—Gordonville, Mo. D. T. Heimlich, judge; G. S. Summers, secretary.
 Dec. 25-30—Kalamazoo, Mich. James A. Tucker, judge; J. S. Carr, secretary.
 Dec. 26-29—Marietta, Ohio. H. A. Emmel, judge; A. I. Spencer, secretary, Parkersburg, W. Va.
 Dec. 26-29—Meriden, Conn. Drevensdt, judge; W. H. Baldwin, secretary.
 Dec. 26-29—Fremont, Neb. Todd, judge; W. H. Haven, secretary.
 Dec. 26-30—Lansing, Mich. F. W. Travis, judge; J. A. Turner, secretary.
 Dec. 26-30—Aberdeen, Miss. S. T. Lea, judge; A. Brannin, secretary.
 Dec. 26-30—Gallatin, Mo. F. M. Parker, secretary.
 Dec. 26-30—Beatrice, Neb. H. C. White, secretary.
 Dec. 26-30—Duluth, Minn. Theodore Hewes, judge; H. E. Edmunds, secretary.
 Dec. 26-31—Ravenna, Ohio. Ben S. Myers, judge; Harry Beck, secretary.
 Dec. 27-30—East Greenville, Pa. Theodore Wittman, judge; C. A. Mack, secretary.
 Dec. 27-29—East Palestine, Ohio. Early, Fell, judges; William Haught, secretary.
 Dec. 27-31—Oregon, Ill. W. C. Pierce, judge; L. H. Valentine, secretary.
 Dec. 27-Jan. 1—Tacoma, Wash. Dixon, Collier, judges; Mrs. C. A. Pratt, 3203 South Seventh street, secretary.
 Dec. 28-30—Eldorado, Ill. D. T. Heimlich, judge; Warren Sloan, secretary.
 Dec. 28-30—Winfield, Iowa. A. B. Shaner, judge; A. H. Glass, secretary.
 Dec. 29-Jan. 2—Toronto, Can. R. Durston, secretary.

1906.

- Jan. 1-4—Wallingford, Conn. Nichols, Card, judges; William J. Hogan, secretary.
 Jan. 1-6—Hamilton, Ohio. I. K. Felch, judge; A. W. C. Hoffman, secretary.
 Jan. 1-6—Goshen, Ind. Ellison, Mulineux, judges; J. A. Zollinger, secretary.
 Jan. 1-6—Palestine, Ill. Theodore Hewes, judge; O. H. Smith, secretary, Eaton, Ill.
 Jan. 1-6—El Reno, Okla. C. A. Emry, judge; V. B. Allee, secretary.
 Jan. 1-6—Nashville, Tenn. John A. Murkin, Jr., secretary.
 Jan. 1-7—Russville, Ind. J. C. Long, judge; A. J. Biesecker, secretary.
 Jan. 2-5—Waxahachie, Tex. A. B. Shaner, judge; C. T. Spaulding, secretary.
 Jan. 2-6—New York, N. Y. H. V. Crawford, secretary, Montclair, N. J.
 Jan. 2-5—Lynn, Mass. Shove, Flanders, Watson, Atherton, judges; Charles E. Hunt, secretary.
 Jan. 2-4—Olney, Ill. D. T. Heimlich, judge; E. E. Dalton, secretary.
 Jan. 2-6—Storm Lake, Iowa. Shellabarger, judge; D. J. Willett, secretary.
 Jan. 2-7—South Omaha, Neb. A. Thompson, judge; William H. Sloane, secretary.
 Jan. 3-6—Point Marion, Pa. Wick Hathaway, judge; H. C. Davis, secretary.
 Jan. 3-6—Cambridge, Ohio. D. J. Lambert, judge; James C. Sarchet, secretary.
 Jan. 5-6—Zion City, Ill. C. L. Greer, secretary.
 Jan. 5-6—Oakland, Ill. D. T. Heimlich, judge; V. W. Annin, secretary.
 Jan. 5-15—Detroit, Mich. John R. Wood, secretary.
 Jan. 8-12—Ann Arbor, Mich. Tucker, Hewes, judges; George R. Cooper, secretary.
 Jan. 8-12—Minonk, Ill. George A. Heyl, judge; R. H. Parks, secretary, Benson, Ill.
 Jan. 8-12—Augusta, Ga. J. W. Killingsworth, secretary.
 Jan. 8-13—Polo, Ill. A. B. Shaner, judge; J. A. Davison, secretary.
 Jan. 8-13—Evansville, Ind. W. C. Pierce, R. H. Young, judges; H. J. Reimer, 107 Heintz avenue, secretary.
 Jan. 8-13—Denver, Colo. Russell, Rhodes, judges; Fred H. Hunt, secretary.
 Jan. 8-14—Chilton, Wis. Ben S. Myers, judge; A. Stransky, secretary.
 Jan. 8-15—Los Angeles, Cal. Mrs. O. H. Burbridge, 2080 West Adams street, secretary.
 Jan. 9-11—Sebring, Ohio. Ira C. Keller, judge; M. J. Stevens, secretary.
 Jan. 9-13—Topeka, Kan. D. T. Heimlich, judge; J. W. T. Hughes, secretary.
 Jan. 9-12—Middletown, Conn. W. J. Keift, secretary.
 Jan. 9-13—Naperville, Ill. D. J. Lambert, judge; E. M. Schwartz, secretary.
 Jan. 9-13—Findlay, Ohio. Phil. Fell, judge; Clark Parker, secretary.
 Jan. 9-13—Enid, Okla. J. W. Hitchcock, judge; I. W. Scherich, secretary.
 Jan. 9-14—Dallas Tex. Loring, Brown, Knebel, Purdy, judges; ———, secretary.
 Jan. 10-13—Tiffin, Ohio. Charles McClave, judge; V. Crabtree, secretary.
 Jan. 10-13—Newcomerstown, Ohio. Theodore Hewes, judge; Frank D. Mulvane, secretary.
 Jan. 10-16—Portland, Ore. F. H. Shellabarger, judge; J. C. Murray, secretary.
 Jan. 15-20—Canton, Ill. D. T. Heimlich, judge; Leigh Harris, secretary.
 Jan. 15-20—Delavan, Wis. Tucker and Johnston, judges; W. E. Pfeffer, secretary.
 Jan. 15-20—Portland, Ind. S. B. Lane, judge; Charles McFarland, secretary.
 Jan. 15-20—St. Joseph, Mo. Thompson, Rhodes, judges; E. L. McDonald, secretary.
 Jan. 15-20—Oshkosh, Wis. Charles McClave, judge; Frank W. Radford, secretary.
 Jan. 15-20—Rockford, Ill. F. Heck, judge; Charles S. Gilbert, secretary.
 Jan. 15-20—Dubuque, Iowa. Shaner, judge; W. Bullen, secretary.
 Jan. 16-19—Nunda, Ill. A. B. Shaner, judge; George H. Prickett, secretary.
 Jan. 16-19—Dalton, Mass. I. K. Felch, judge; William H. Griswald, secretary.
 Jan. 16-19—Fostoria, Ohio. Eugene Sites, judge; Charles Mann, secretary.
 Jan. 16-20—Cincinnati, Ohio. Thomas J. Foy, secretary.
 Jan. 16-20—Sioux Falls, S. D. Stacy S. Metcalf, secretary.
 Jan. 16-20—Charlotte, N. C. H. P. Schwab, judge; W. B. Alexander, secretary.
 Jan. 18-22—Auburn, N. Y. Stanton, Quilhot, Webb, Riddell, Hallenbeck, King, judges; J. H. Scott, secretary.
 Jan. 19-23—Albert Lea, Minn. Charles McClave, judge; R. B. Thompson, secretary.
 Jan. 22-26—LaCrosse, Wis. Theodore Hewes, judge; Henry J. Hahn, secretary.
 Jan. 22-28—Milwaukee, Wis. W. S. Russell, G. D. Holden, judges; C. G. Loeber, 1717 Walnut street, secretary.
 Jan. 23-27—Huron, S. D. A. B. Shaner, judge; E. M. Thomas, secretary.
 Jan. 24-26—Pittsfield, Mass. R. T. Kent, secretary.
 Jan. 25-29—Mooreville, Ind. Charles McClave, judge; C. L. Hallam, secretary.
 Jan. 30-Feb. 3—Mitchell, S. D. W. S. Russell, judge; William Scullin, secretary.
 Jan. 31-Feb. 3—Cresco, Iowa. George D. Holden, judge; John M. Davis, secretary.
 Jan. 31-Feb. 3—Hudson, Mich. Tucker, Boies, Mulnix, judges; L. S. Brown, secretary.
 Jan. 31-Feb. 5—Toledo, Ohio. Hewes, Butterfield, Tucker, judges; Alva T. Baker, secretary.
 Feb. 4-16—Indianapolis, Ind. Burgott, McCord, Tucker, Myers, Lane, Lanius, Pierce, Hewes, judges; E. A. Pierce, secretary.
 Feb. 5-10—Walla Walla, Wash. McClave, judge; J. A. Levy, secretary.
 Feb. 15-20—Dubuque, Iowa. A. B. Shaner, judge; C. H. Gregoire, secretary.
 Feb. 19-24—Pittsburg, Pa. McClave, Butterfield, George O. Brown, judges of poultry; G. F. Erbe, A. J. Edwards, judges of pigeons; G. C. Sutch, secretary; J. M. Skiles, superintendent.

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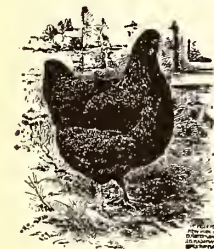
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Questions and Answers

Questions asked by subscribers will be answered in this department.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: (1) I read your article in the June number of the AMERICAN POULTRY JOURNAL in regards to foods for poultry. You mention oats, corn, wheat, barley and millet as being sufficient to answer every requirement. Now, what myself and neighbors want to know what proportion of each, in pounds, does it require to make the food to feed young chicks just taken from the brooder and put on the range.

2nd. What proportion of each to feed for egg production.

3rd. What were the crosses that were first used to develop the Rhode Island Red? I have a circular from a prominent breeder of a 214-egg strain. He says that two men back in the fifties were engaged in the market business in Bedford, Mass. That they were rivals, and that one of the parties crossed the Brahma with the Cochins, and that this is how the original Rhode Island Red was made; that in 1866 one Isaac Wilbor gave them the name of Rhode Island Reds. Now, if that is true I do not see how they can be the great layers their advocates claim they are. In the May number of the AMERICAN POULTRY JOURNAL I read an article from the pen of Charles C. Reid. He claims that they are a cross between the Cochins and the Malay Game made fifty years ago. If Mr. Reid is right Mr. Smith, of Attleboro Falls, Mass., is wrong. Which is right?

Laton, Calif.

Answer:—(1) The following mixture, the grains cracked in mill and thoroughly mixed, is admirably suited to the proper development of the young stock on the range where they can secure green food at will:

Corn	25 pounds
Oats	35 pounds
Wheat	20 pounds
Barley	10 pounds
Millet	10 pounds

100 pounds

Animal food in way of beef scraps should be given, in self-feeding hoppers, where the stock can go to it at will. Grit, oyster shells and granulated charcoal should also be supplied in the self-feeding hoppers. Chicks as well as fowls relish oyster shells. They contain a certain amount of salt which the chicks are fond of.

(2) The same. Feed as scratch food. Also grind and mix with it a goodly quantity of cut clover or alfalfa.

(3) It can be said that the Rhode Island Red of to-day is the result of more than fifty years of careful, systematic out-breeding—always along lines of utility, egg production and market

poultry. More than fifty years ago Red Cochins China fowls were introduced into Massachusetts by thrifty sea captains, and later they brought Red Malay cocks. Dr. Bayliss, of Boston, who imported a number of the Cochins China fowls in 1846, says the males were nearly all red in color. Mr. Taylor, who made an importation in 1847, is quoted as saying "the males were red." The Red Cochins China and Red Malay males were bred with the poultry in the vicinity of Little Compton and Westport for years after the date above mentioned. The result was a hardy, quick growing chick, and as egg producers these crosses were highly prized. The rose comb variety was obtained by the introduction of Rose Comb Leghorn blood, in many cases. About twelve years ago the pea comb variety made its appearance. The single and rose comb varieties are the only ones recognized by the American Rhode Island Red Club. Mr. Rigg will give in detail the origin and history of the Rhode Island Reds in his series of articles "Origin and History of the Breed," now running in the AMERICAN POULTRY JOURNAL.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer in your September issue the following: One of my young chickens began to act peculiarly as soon as liberated from coop in the morning, and when it would start to move it would not have any control of the way it was going, and when it would stop its hind parts seemed too heavy and it would sit down and draw its head back until the back of head would rest on its back, beak sticking straight up. I gave it one-half teaspoonful of castor oil and one-half teaspoonful of baking soda; second day it had completely recovered. What was the cause?

Webster, Pa.

Answer:—Evidently a form of epilepsy, no doubt caused by some intestinal trouble, from which the castor oil relieved it.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please tell me what to do for my chickens, I have lost so many this year. The first symptoms are drowsiness, thirsty, weak droppings, thin and yellowish; all in two or three days. This spring I lost five old hens, now my chickens about two months old are dying. They have good range, next to a farm; feed them very little now for they are near a wheat field and barn. Give them one feed a day of corn, wheat, oats and bran, changing from one to the other. They get plenty of grit; keep copperas in the water; have

Always have a bottle handy
Pratts Veterinary Liniment.

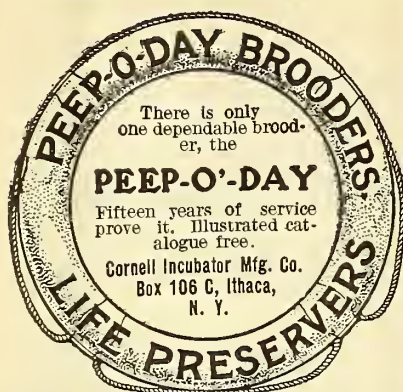
Pratts Cow Tonic
Sure, safe, speedy.

Made by Pratt Food Co., Phila. Over 30 years old.

Made by Pratt Food Co., Phila. Over 30 years old.

Pratts Calf Tonic Sure, safe, quick.

Made by Pratt Food Co., Phila. Over 30 years old.



200 EGG HENS.

Wouldn't a pen of that kind make you money this winter?

The Walter Hogan System

will enable you to select that kind from the hens and pullets which you now have, or from the hens and pullets you buy. Will enable you also to select the cocks which will breed that kind of hens and pullets. While extraordinary, the "System" is after all just plain common sense. You can learn how in just a little while. The first cost is very small—the results are only limited by the number of fowls you keep. You take no risk for if the "Hogan System" is not entirely satisfactory we refund all the money—we hold nothing back. Think it over and then write us for full particulars and price. Mailed free.

THE WALTER HOGAN COMPANY,
17 Nat'l Bank Bldg., Fergus Falls, Minn.

HOW
TO
KILL

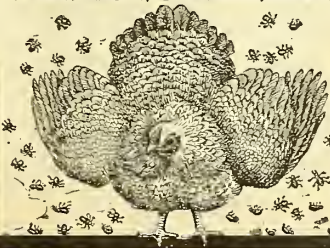


ALL
THE
LICE

As lice breathe through their sides the quickest way to exterminate them is by suffocation. Fumigating or dipping fowls is dangerous to sight and breathing and ruinous to health. Dusting with a

LIGHTNING LICE KILLING MACHINE

is the only safe method. Cannot harm eyes, lungs, feathers; delicate chicks or broody hens—they like it better than a dust bath. Cleans 100 to 150 fowls or 300 chicks in an hour. Kills all the lice whether they hide under the feathers of the neck, hackles, wings or vent. No greasing—clean and easy to handle. Send for free catalog and book of poultry facts. The Chas. Schild Co., 2 Frankfort St., Cleveland, O.



a good cool hen house, clean it every morning; also all the nests, coops, etc.; keep lime sprinkled around and use carbolic acid once in awhile. Have plenty of shade. I spend more time with them than I do in the house and still this disease will crop out every now and then, and it is not from neglect in any way, I am sure. Please tell me what to do for them and oblige one of your JOURNAL readers. J. C. B. G.

Granite City, Ill.

Answer:—From the symptoms given we are led to believe that the trouble is caused by the liver refusing to perform its proper work, and this condition is generally brought about by improper feeding. The following treatment may be given with fair success. Magnesium or sulphate of sodium in a purgative dose (20 grains to a dram) and follow with sulphate of magnesium 10 grains, bicarbonate of sodium 2 grains, repeated daily for a week.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer through your columns: What is the attitude of insurance companies towards the practice of running incubators or brooders in cellars of insured buildings? G. D. C.

Glen Ellyn, Ill.

Heretofore there has been more or less objection from insurance companies in regard to incubators and brooders in buildings which are insured, but the incubator and brooder manufacturers at their late meeting in Indianapolis took this matter up with the insurance companies and the indications are that in the near future these objections will be modified to a great extent.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer through your Question and Answer department the following questions: A great many of our chicks when a few days old take bowel trouble, then it turns to constipation and they droop around and die. What is the cause of it and what will cure them? Then some of them droop around and we cannot see that there is anything wrong with them, and they die. We feed cracked wheat and corn. Grant, Pa. J. G. W.

Answer:—Your system of feeding is at fault. Young chicks should not be fed cracked corn. Feed some one of the prepared chick feeds that are advertised in these columns. Boiled milk will cure and prevent bowel trouble. Watch closely for lice; they will cause bowel trouble in little chicks.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer through your journal how can you tell the age of a chicken and how many points should the comb of a full-blooded Plymouth Rock have, and oblige. Ft. Wayne, Ind.

Answer:—There is no way of telling the age of a chicken. The standard calls for five points on the combs of Plymouth Rocks, but a point more or less is not a disqualification.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: I wish you would publish in Questions and Answers the following: I have turkeys, chickens and geese. They act as if their necks were broken; their combs are as red as blood. I

For profitable live stock use
Pratts Vet. Worm Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

ORR'S WYANDOTTES ORPINGTONS

All the Standard Varieties of Both Breeds.
Birds, old or young, \$2 each, \$5 per trio.

Orr's Lice Killer is Best, \$1 per gal.

T. E. ORR

Box 807, Beaver, Pa.

WHITMAN'S S. C. BUFF LEGHORNS

Won again at the Northern Ill. Poultry Show. My 1st prize cock bird Judge Holden pronounced "a bird among a thousand." EGGS reasonable prices.

R. T. WHITMAN, R. R. 1, Belvidere, Ill.

Eggs--Hahne's Lt. Brahmas--Eggs

EGGS \$3 for 13, \$5 for 26. For incubator eggs \$10 per 100. Send for beautiful illustrated catalogue free. FRED HAHNE 517 Webster St., Webster City, Iowa

Mrs. Hill's W. Langshans

won more premiums at World's Fair, St. Louis, Mo., than all the other White Langshan breeders combined. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight.

Mrs. J. S. Hill

Purdin, Mo.

Premium Stock Poultry Yards

Fertile EGGS 15 for \$1

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

A. STARZINGER, Prop.

Carbondale, Ill.

High-Class Light Brahmas Only

Do you want EGGS for hatching from Light Brahmas with nice pea combs, large frames, broad backs, standard wings, solid black center in hackles, heavy toe feathering and nicely laced tail coverts, at \$3 per 15, \$5 per 30, or \$6 per 45. Also a few choice youngsters at prices that are right. Satisfaction guaranteed. No catalogue. Write to

HY. J. BARNETT,

Box 4, Winamac, Indiana

WHITE ROCKS WYANDOTTES

Hawkins and
Jefferson

WHITE INDIAN GAMES

Bicknell

BUFF ORPINGTONS

Cooks Rocks Shaws

Here's what you are looking for something good at a very low price. The direct progeny of New York and Chicago winners Eggs \$1.00 per 15, \$6.00 per 100.

C. L. McFERRIN, BELLVILLE, O.

WANTED

STRICTLY FRESH EGGS

for market use. Wire or write what you have to offer.

C. M. OWENS & CO.,
4 So. Clark St., Chicago, Ill.

100

Envelopes 3½ by 6½ inches, an extra thick, strong, smooth, hard slick white writing surface, and 125 Letterheads, 8½ by 11 inches an extra heavy, hard, slick, fine smooth, pure white writing paper. All artistically printed to your order and illustrated with latest new Standard cuts of your choice breed of fowls, postpaid for \$1.00. Better printing at the price was never done. I'll please you. Make all money orders payable to me at Big Clifty, Ky.

J. R. HUDSON, HARDIN SPRINGS, KY.
We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.

Standard Poultry Food Greatest stimulat-
ing tonic known,
vigor, eggs and profit. Sold by dealers. If not there
send for special trial offer. Standard Stock Food Co.,
Howard St., Omaha, Neb.

GINSENG \$50,000 worth can be raised on one
acre. Write for prices of roots and
seeds. Begin preparing ground now:
proper time for planting in the fall. Complete cultural
directions free with orders. Illustrated book, telling
about its history, cultivation, profits, market, etc., for
25c. Address Wisconsin Ginseng Garden, 601 Adams
St., Wausau, Wis.

MORE EGGS—Less Feed
Humphrey Bone Cutter,
Humphrey Clover Cutter,
will double egg yield. Poultry Book sent free.
HUMPHREY, White Street Factory, JOLIET, ILL.

TRY FRANK'S BARRED ROCKS
Bradley Bros. Strain; the richest producing strain in
the world. 300 chicks growing for early fall buyers.
Write for prices on stock you want. Satisfaction guar-
anteed or money refunded.
F. L. CHAMBERS,
Box 525, Blandinsville, Ill.

Flushing Poultry Yards

H. D. ALDRICH, Prop.
LEGHORNS
ROSE COMB BROWN,
2d pen at Madison Square, New York, 1905.
ROSE COMB WHITE,
1st prize pen Madison Square, New York, 1905
ROSE COMB BUFF,
1st prize pen Madison Square, New York, 1905.
BAYSIDE AVE., FLUSHING, N. Y.

SOMETHING NEW
STRATHMANN'S POULTRY YARD SEEDER
To Distribute Grain and Seeds For Scratching Fowls

A machine any one that keeps a dozen chickens ought
to have. The extra profits of same will pay for seeder
in one year. Its weight is 30 lbs., sows two rows 10 in.
apart and cultivates your ground. Will do what all
poultrymen and farmers say, keep your chickens
scratching. Our seeder has proved itself a winner at
the Chicago poultry show by having a larger attraction
than any other exhibit. Simple, durable and practical;
can't get out of order. Any boy or girl can operate it.
Send for circular.
Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.

A Busy Year
Johnson Pays the Freight

for Old Trusty. Last season
was a hummer, but we've got our breath and
are going to keep going.

**SUMMER PRICES ON
OLD TRUSTY**

for a few months. It will be a good time to out-
fit. Same machines, same selling plans.
40 Days Free Trial, 5 Years Guarantee.

Have you ever seen my catalogue? It is Free.
INCUBATOR JOHNSON, Clay Center, Neb.

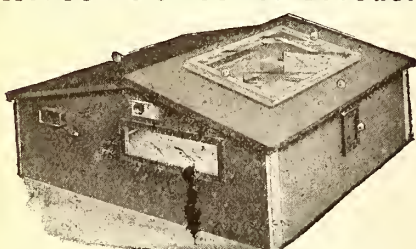
**SHOEMAKER'S BOOK
on POULTRY**



and almanac for 1905, contains 240
pages, with many fine colored plates of
fowls true to life. It tells all about chickens,
their care, diseases and remedies. All about
INCUBATORS and how to operate them.
All about poultry houses and how to build
them. It's really an encyclopedia of chicken-
dom. You need it. Price only 15c.

C. C. SHOEMAKER, Box 1210, FREEPORT, ILL.

Rouses' Perfection Brooder



Price, \$7.50. Catalogue free. Simple, conven-
ient, practical. W. L. Rouse, Manufacturer, 157
La Salle St., Chicago, Ill. Chicago Poultry Supply
House Distributor, 647 Lakeside Bldg., Chicago, Ill.

have opened them and they look
healthy. They seem to be crazy. They
live a day and then die. Give a
remedy. Mrs. I. P.

Washington C. H., Ohio.
Answer:—This is what is known as
limberneck and is caused by fowls eat-
ing decayed meat. There is no known
remedy for it. Prevent the disease by
burning the dead birds and thoroughly
clean and disinfect your premises.

Editor AMERICAN POULTRY JOURNAL:
Dear Sir: Will you please tell me
if there is any way by which I can
tell my year-old hens from those that
are older?

I neglected last summer to mark my
young pullets in any way, and now, as
I wish to dispose of all my hens over
a year old, would be glad if you could
tell me how I may know them.
Danville, Ill. Mrs. A. F.
Answer:—There is no way that we
know of.

The demand for strictly fresh eggs
on the Chicago market during the past
few months has been away beyond the
supply, and many firms have been pay-
ing from 1 to 3 cents above market
quotations for strictly choice goods,
and are still unable to meet the de-
mand. C. M. Owens & Co., who make
a specialty of handling eggs, are ad-
vertising for strictly fresh eggs for mar-
ket use and are willing to pay top
prices for them. Look up their ad
elsewhere in this issue and write them
for further information.

A FICTION NUMBER.

The September *Century* will be a fiction
number, "Miss Gladwin's Choice," a long
story (complete) by Anthony Hope, leading
in interest. There will be other stories
by Elizabeth Herrick, Lawrence Mott, Ed-
win L. Sabin, Oscar King Davis, Seumas
MacManus, Harvey J. O'Higgins, Gouver-
neur Morris, Elizabeth Cherry Waltz, and
Elizabeth Robins, author of "The Magnetic
North."

Owing to the fact that Mr. Orebaugh
has sold his milling business and wishes
to locate elsewhere, Mrs. J. H. Orebaugh
writes that they are offering their poultry
plant for sale. They will consider an offer
for the stock and trade, the same to be
removed from the farm. Readers of
AMERICAN POULTRY JOURNAL are well ac-
quainted with this stock, it having been
bred under Mrs. Orebaugh's personal care

Clement & Eike, Libertyville, Ill., breed-
ers of White Wyandottes, have a change of
ad this month, in which they are advertis-
ing show birds which are now fully matured
and ready to ship. They have 2,000 birds
to select from. They also have breeders
in any quantity. Send for their catalogue
and mention AMERICAN POULTRY JOURNAL.

F. C. Bailey, of Reading, Mich., has a
change of ad this month, in which he
wishes to dispose of a few dozen yearling
breeding Rose and Single Comb Orpingtons
in buff, black and white that he will sell
very low.

The Standard Flower City Incubator Co.,
Dept. A., Rochester, N. Y., changes their
ad this month with an offer of incubators
on thirty day trial.

Your good housekeeper tops her cake
with great care, and much pride in her
skill as a cook. Your good builder knows
that the best building is a failure without
a good roof. With a roofing like Paroid,
advertised in the columns of this paper,
there is no call for our people to make
this mistake.

**Pratts Animal Regulator
did the work.**

Made by Pratt Food Co., Phila. Over 30 years old.

During moulting season use
Pratts Poultry Food.

Made by Pratt Food Co., Phila. Over 30 years old.
FOR SALE.—Green Muscovy Ducks, \$5.00 per trio,
Kittie Sullivan, W. Hinsdale, Ill.

Printing
For Poultrymen,
Samples for the
asking.
J. J. Bennett,
Lisbon, O.

ANY OR ALL

of my breeding stock for sale from now on, in-
cluding Barred Plymouth Rocks and
White Wyandottes of best blood, at
\$10 per dozen if taken soon. Preserve ad for
reference.

MRS. A. J. COLVIN, R. R. 1, Pearl, Illinois.

WHEAT FARMS

The finest of winter wheat is grown in Alberta, Can-
ada. Farms are rising rapidly in value because of the
grand crops and heavy yield per acre. Buy while this
fine land is cheap. I can sell you farms improved with
the crop of 1906 planted and coming out of the ground,
at \$8, \$10 and \$12 per acre. Probable yield 20 to 50
bushels; a fair average 30 bushels.

E. N. BARKER, Cardston, Alberta, Canada, N. W. T.

**Golden Rule Farm
Breeds Barred Rocks**

Exclusively, and offers this month twenty
choice yearling hens and twenty-five cockerels
that are beauties. Write if interested to

J. N. YOUNG G. R. Farm, Henry, Ill.

FREE TO BREEDERS

Sample of guaranteed

ROUP CURE

If you mention the size of your flock.

FRANKFORT REMEDY CO.

Cleveland, Ohio

**MICA CRYSTAL GRIT
DOES THE WORK**

It is no experiment, having been
used successfully for twelve years and
is the highest grade article of its kind
in use.

Necessary proportion of mica, quartz,
iron, magnesium.

Regulates digestion by properly as-
similating the food, a process abso-
lutely necessary to health and produc-
tiveness in poultry.

Food not assimilated is food wasted.
Mica Crystal solves the problem and
makes the poultry industry profitable.

Without grit the feathered tribe
cannot be healthy or productive. This
is a well demonstrated fact in nature.
Ignorance of it has cost millions. Grit
is to fowls what teeth are to other
members of animal creation. Mica
Crystal never loses its sharpness, it
is the best.

Let us prove the truth of what we
say by filling a sample order for you.

**DARLING & CO., Agents,
Chicago, Ill.**

THE QUESTION OF ROOFING.

The question of roofing is becoming a more serious one every year as shingles become poorer and higher priced. Even when good shingles are obtainable, the ordinary wire nails used with them last but a few years, and a new roof often becomes necessary while the shingles are yet good. Happily, however, the problem has been solved in a thoroughly practical and economical manner by Paroid Roofing, a durable felt roofing that is used by leading farmers, poultrymen, dairymen the country over, as well as by railroad companies, warehousemen and others who want a good, durable roof at low cost. Paroid is now used by the United States Department of Agriculture in its construction work, and has also been adopted by the Panama Canal Commission for use on all government buildings erected in the trying climate of the isthmus. The government adopted it only after demonstrating its superiority for the purpose. Every reader of this paper should send for the Paroid booklet and a free sample. It will give you valuable pointers of economical building. Address F. W. Bird & Son, East Walpole, Mass.

EVERY READER SHOULD SEND FOR FREE SAMPLE.

Those of our readers who are interested in the subject of good, ready-to-lay roofing will do well to write to the manufacturers of Amatite for a free sample which they are advertising.

The sample is not large, but will give a very good idea of what you may expect, before investing your money.

This new roofing material seems to have all the qualifications necessary for a good, durable ready roofing at little cost.

Amatite is guaranteed to be rain, wind and weather proof, and a most excellent fire retardant.

The manufacturers are one of the largest and most reputable concerns in the country, and any claim of theirs can be relied upon.

We suggest writing today for the sample to any office of the Barrett Manufacturing Company, New York, Chicago, Allegheny, Kansas City, Cincinnati, Philadelphia, Cleveland, Minneapolis, New Orleans, St. Louis.

LONG DISTANCE RESULTS THROUGH ADVERTISING IN AMERICAN POULTRY JOURNAL.

The good results to advertisers in AMERICAN POULTRY JOURNAL is not confined to this country alone, but extends to many parts of the globe. We have a letter from H. E. Abbott, proprietor of the *Indian Planter's Gazette*, of Jaintpore P. O., Tirhoot State Ry., India, stating that in the May issue of AMERICAN POULTRY JOURNAL he saw the advertising of the Elkhart Carriage & Harness Co., Elkhart, Ind., and as

No poison, no antimony in
Pratts P. V. Condition Powder.

Made by Pratt Food Co., Phila. Over 30 years old.

GRITLESS
POULTRY FEED

JOBBER PRICES, F. O. B. St. Louis.

IF BOUGHT THROUGH AGENTS FREIGHT AND PROFIT WILL BE ADDED.

PREMIUM

Scratching Feed (no grit).....	per 100 lbs.	\$1.25
Hen Feed (no grit).....	per 100 lbs.	1.25
Laying Feed.....	per 100 lbs.	1.25
Chick Feed.....	per 100 lbs.	1.35
Forcing Mash Feed.....	per 100 lbs.	1.25
Pigeon Feed.....	per 100 lbs.	1.50
Alfalfa Mash.....	per 100 lbs.	1.25
Molting Feed.....	per 100 lbs.	1.25
Plain Mash.....	per 100 lbs.	1.25
Beef Mash.....	per 100 lbs.	1.50
Morning Mash.....	per 100 lbs.	1.25
Alfalfa Meal.....	per 100 lbs.	1.15
Cracked Corn.....	per 100 lbs.	1.25
Wheat Bran.....	per 100 lbs.	.85
Cow Feed.....	per 100 lbs.	1.25
Horse Feed.....	per 100 lbs.	1.25
White Kaffir Corn.....	per 10 lbs.	1.25
Millet Seed.....	per 100 lbs.	1.50
Chicken Wheat.....	per bushel	.85

W. F. CHAMBERLAIN
314-316 N. COMMERCIAL ST.
CASH WITH ORDER ST. LOUIS, Mo.

The result sent an order for one of their four-seated buggies.

This is a good text for a sermon on the beauty of advertising and the enormous distances that AMERICAN POULTRY JOURNAL travels to carry publicity for its advertisers all over the world.

A BIG BARGAIN SALE.

Charles C. Reid, manager of the Olen-tangy Poultry Yards, Delaware, Ohio, announces that he is now booking orders for Oct. 1st delivery of 2,500 fine R. C. and S. C. Rhode Island Reds at a very reasonable price; also one year old and two year old hens and cocks at the same price. The first orders in will secure this stock. Mr. Reid asks that one-third of the purchase price be sent at the time of booking the order and the balance when the chicks are to be shipped. Mr. Reid guarantees satisfaction and this is an opportunity AMERICAN POULTRY JOURNAL readers should not overlook. Mr. Reid is vice president of the Rhode Island Red Club and his success during the past season has been remarkable with his stock.

IF TAKEN AT ONCE.

M. E. Wurts, 372 Pearl St., Cleveland, Ohio, writes that if taken at once, he will make some excellent bargains on his stock, including two pens of White Wyandottes. These birds are, every one of them, show birds, and he is offering them for half their real value as show birds and breeders. He also has five pens of Rhode Island Reds, two pens Rose Comb Reds extra choice show birds, and five pens of Barred Rocks. He has, also, single specimens one year old of each of these varieties that are good breeders, but not show birds; however, are bargains for any one wanting to get started in any of these varieties for a little money.

H. P. RANKIN'S SUCCESS.

H. P. Rankin of Hartington, Neb., is a man who has been attracting a great deal of attention from breeders the past season and his work promises to make him one of the great leaders in the poultry world. Mr. Rankin breeds Barred, White and Buff Plymouth Rocks and White Wyandottes, and the testimonials that he is receiving from pleased customers make very interesting reading matter.

Claude Denham, of Allen, Mich., writes he got 13 chickens out of 15 eggs. H. L. Baggs, of Sioux City, Iowa, received excellent results from the eggs Mr. Rankin sent him. Out of two sittings of Plymouth Rock eggs he secured 25 chicks and every egg in the cockerel mating hatching. Out of the 33 eggs, there were only four infertile ones, they being in the pullet mating pen No. 3, two eggs laid by hen No. 30 not hatching, one being infertile and the other one the chick started, but died in the shell after being under the hen about a week. Hen No. 32 had one infertile egg, hen No. 34 had one infertile egg and hen No. 35 one infertile egg. Two eggs were smashed by the hen when first setting them and the other one hatched, but the hen stepped on it and killed it. This record shows which one of the birds laid the infertile eggs. Mr. Baggs will give Mr. Rankin another order next season. I. Wriglesworth, of 17 Mile Post, Victoria, B. C., Can., wrote Mr. Rankin that his eggs had turned out the best he had imported for some years, securing 39 chickens out of 46 eggs sent him. He will recommend Mr. Rankin to other chicken men and will buy again next season. Mrs. A. McAllister of Holton, Kan., was very much pleased with the chickens received from Mr. Rankin and has requested that several copies of his catalogue be sent to her neighbors. D. T. Helmlich, of Jacksonville, Ill., upon receipt of Mr. Rankin's catalogue, wrote that it was the nearest, most complete and business-like gotten up catalogue he ever received.

All this goes to show the conscientious work and care that Mr. Rankin is putting into his poultry business.

B. E. Johnson, of Kirkwood, Mo., announces this month that his 1905 youngsters are now ready to make their bow. Mr. Johnson does not now exhibit and here is a good chance for buyers to get some good stock from his prize winners.

30 years, 30 years in use
Pratts Food for horses and cattle.

IRON AGE

Farm and Garden Implements—Seed Drills, Wheel Hoes, Riding Cultivators, Potato Planters, etc., are all described in our new book. It's free. Write for a copy Bateman Mfg. Co., Box 119, Grenloch, N. J.

GINSENG

\$25,000.00 made from half acre. Easily grown in garden or farm. Roots and seeds for sale. Send 4c for postage and get booklet A B, telling all about it. McDOWELL GINSENG GARDEN, JOPLIN, MO.

NORTH SIDE POULTRY YARDS

SILVER LACED WYANDOTTES Exclusively

Stock for sale at all times. No eggs. Send for circular. A. & E. TARBOX Box A 5, Yorkville, Ill.

ORVILLE D. CHINN

Specialty breeder of Black Breasted Red Games. The exhibition kind of finest quality. Write me for prices. Kehoe, Ky.

CHRISTOPHER STRAINS

You pay bigger prices but get no better birds. I have spent years in developing just two breeds—my favorites, BARRED AND WHITE ROCKS. Finely pointed birds of all ages and guaranteed fertile eggs at living prices. I solicit a trial order.

KICKAPOO POULTRY YARDS. JAS. CHRISTOPHER, Prop., Heyworth, Ill.

SINGLE COMB W. LEGHORNS

Bred to standard and for egg production. Stock and eggs for sale in season.

WHITE STAR POULTRY FARM, South Amboy, N. J.

Barred Rocks Exclusively.

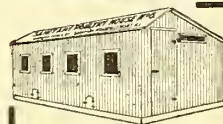
Good breeders for sale cheap if ordered early. Also a few dozen yearling hens, laying stock at \$12 per dozen during July and August.

RS. TILLA LEACH, Cheneyville, Illinois

LITTLE CHICKS

The only book published that tells how to successfully hatch and rear little chicks. Written by the most practical poultryman. Over 160 pages. Price, 50 cents postpaid. Circular free.

EXCELSIOR WIRE & POULTRY SUPPLY CO., DEPT. O
26 & 28 Vesey St., New York City



Have You Large

Flocks, and do you want a thoroughly firm and substantial house for them this season? Then Get Out

Sanitary Poultry House
Number Six

Fitted with nests and dropping board the whole length; has partitions of wire and double-acting hinged door. Dimensions: base, 8x20 ft.; 6 ft. front; 7 ft. ridge; 5 ft. rear wall. Style A, with ½ size windows. Style B, with full size windows as in cut. Wind-proof, water-proof, and best grade Red Rope roofing. Easily put up, looks well, and pleases the chicks. Send for booklet giving details of six sizes and styles. Address Sanitary House Company, Lemont, Illinois.



"Lightning" White-Wash Sprayer No. 28

White-wash your Poultry-houses and stables. Kills lice and vermin. Easy to operate. Sprays white-wash rapidly. Impossible to clog. Also for spraying trees, washing wagons, etc. Double action pump; will spray 30 feet high; has ¾ ft. heavy hose, extension rod, brass nozzles, steelstirrup, ball valves. All brass pump \$8.50; galvanized iron \$2.50. Cash with order; express prepaid. Agents wanted. D. B. SMITH & CO., Utica, N. Y.

LINE BREEDING.

Starting with my chosen breed, the first year I hatched 100 chicks; three days later I cull for elementary defects, this reduces my 100 to 90, a month later, I cull again, fully 40 being disposed of, another culling and my flock contains but 25. These are closely observed. I have my ideal bird firmly fixed in mind and shall try to embody this type in a combination of the remaining 25.

As the breeding season approaches, I mate two pens, discarding all birds that show too large a percentage of defects in any one section. I also follow the system of compensation matings, i. e., for every section in a breeder, make very strong in the mate that where the other is weak.

Mate two birds, each with a five-point comb and a large number of the progeny will be likewise, influenced, more or less, by the combs of their ancestors. Mate

**Beware of cheap Colic Cures
Use Pratt's Veter'y Colic Cure.**

Made by Pratt Food Co., Phila. Over 30 years old.

the best two of the offspring and the number of your five-point combs is greatly increased. This mating for combs alone, is a very simple matter; bear in mind, however, that we have to contend with the production of the bird as a whole in order to produce our ideal.

From the two pens above referred to I shall get a larger percent of good chicks than I did the year previous. these chicks will have in their blood that which their parents did not have to such a degree. They have the ability to stamp upon their chicks the qualities they have acquired by the strict selection of those before them.

By mating the best cockerel from one pen to the very choicest pullets from the other and vice versa, we have established a two-year-old strain.

Close culling and careful compensation matings, with the avoidance of a breeder very defective in any one section, however good in others, will soon produce for you a strain that may be depended upon to reproduce itself. This will also stamp certain characteristics on your strain that will be known as yours.

I do not believe in very close inbreed-

ing in connection with line breeding, such as the mating of grandsire to granddaughter, but practice it occasionally in order to fix certain points otherwise hard to obtain.

The objection I have to inbreeding is its bad effect on health and consequent loss of weight and condition.

A closely inbred strain, even though of high exhibition quality, cannot last unless new blood be introduced. Nine times out of ten the result is discouraging because of the tendency to revert back to features long dormant. Strains established through the use of breeders not closely related, but of the same blood, although harder to build and require more time, yet the qualities are there to stay and also the ability to influence the offspring in their favor when mated with stock of other strains.

JOSEPH S. RIEGEL,

Toledo, O.

**Once tried—always used
Pratt's Distemper Cure.**

Made by Pratt Food Co., Phila. Over 30 years old.

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, **standard qualities have not been neglected.** They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Stock for sale. **Eggs for Hatching** \$2.00 per 15, \$3.75 per 30, \$5.00 per 45, \$10.00 per 100. From winners pen \$3.00 per 15, \$5.00 per 30. Illustrated circular free

**No Better Anywhere
At Any Price.**

Winners at Madison Square Garden, N. Y., 1903-1904-1905

H. J. BLANCHARD

Box 997, Groton, N. Y.

Another Important Poultry Problem Solved.

SHADE!

SHADE!

SHADE!



If you want to succeed you must provide **shade** for your fowls. We have discovered a tree that seems better for this purpose than any other, and ask your consideration of the following points:

The cut herewith is a photograph from life. This tree was planted as a seedling four years ago. See the rapid and healthy growth. Its foliage measures 18 feet in width by 22 feet in height. Foliage is heavy and makes a dense shade, a protection from rain as well as from hawks. It responds readily to pruning and will grow as you shape it—tall or short, wide, flat or round, just as your fancy chooses, and is extremely ornamental as well as useful.

To live and make rapid growth fowls must have shade. White birds will get brassy without it and the plumage of dark colored birds will fade and tarnish if compelled to live in shadeless yards. We have trees like this growing in all our yards; some trimmed up from the bottom like cut, others trained to the ground so that the birds can get in under and have complete protection from storm, sun and hawks. The illustration shows more eloquently than words can how the poultry enjoy it.

We have a limited supply, about 2500 trees, in different sizes that you can get while they last at the following low prices, F. O. B. our farm in lots of six or more.

4 feet high	each	\$.50
5 " "	"	.75
6 " "	"	1.00
7 and 8 feet high	"	1.50
10 and 12 feet high	"	2.00

Special prices will be made for large lots

EDDY & EDDY, White Rock Poultry Farm, Manheim, Ill.

DON'T NEGLECT THE CUT GREEN BONE.

Wherever you find a poultryman enthusiastic over his success, you find a green bone feeder. They all know how much it contributes to that success. Those who are not supplying green cut bone to their fowls are working at an unquestioned disadvantage. Green cut bone supplies in best possible form the requisite protein and other egg-making materials. It does more than this. A leading bone cutter manufacturer who has studied the subject and is competent to speak, thus summarizes the advantages in his advertisements: "It makes hens lay more eggs, makes more fertile eggs, better hatches, earlier and heavier broilers and heavier market birds." There is no question as to these advantages. The difficulty has been to get a machine to reduce the bone to proper feeding form. Many poultrymen, even

some of the strongest advocates of its use, are preparing bone for their hens with rather crude machines. It is a hard, slow operation. There can be no possible excuse for this except with people who do not know of the better way. Since the perfecting of the Mann Latest Model Bone Cutter, the manufacturer referred to above, bone cutting for chickens has become a very simple and a very easy operation. Most people look upon bone cutting as hard work. The Mann machine makes it easy. Moreover, it adjusts to suit the strength of the operator. It does all kinds of cutting, including bones and adhering meat and gristle, and does it fast and without danger of clogging. And when bone has gone through a Mann's Latest Model it is all in form so that it is available for use.

There are a good many bone cutters offered. Some of them are hardly worthy the name, as some of our readers would testify to their sorrow. There is no excuse for buying an unknown quantity when a machine like Mann's is offered at such a reasonable price and fair terms. Any responsible person may have it shipped to him on free trial, no money in advance, with privilege of return without obligation or a cent of cost if he does not find it to be all that it is represented. The Mann Company is one of our regular responsible advertisers. We especially commend their Latest Model to our readers' notice. Drop them a line at Milford, Mass.

A little bit goes a long way
Pratts Harness Soap.

Made by Pratt Food Co., Phila. Over 30 years old.

Eggs this Winter?

well, feed **Pratts Poultry Food** now. It hastens moulting, builds up the hens and puts them in laying condition.

THE PARKS PARTRIDGE WYANDOTTES.

World's Fair Prize Winners. Stock for sale in pens, trios, pairs and singles.
E. A. PARKS, 211 West Brighton Ave., Syracuse, N. Y.

OAK BLUFF HAS 600

of the choicest youngsters in Light Brahmas and Partridge Wyandottes in the country, and is offering 150 old breeders at bargains. If you want something fine don't miss this.

Oak Bluff Dr. N. E. Mighell, Marshalltown, Ia.

BEGIN PLANNING FOR THE FALL SHOWS.

Eggs from our prize winning birds, (1628 prizes won by us last fall) will hatch other prize winners. We sell eggs and stock of guaranteed purity at lower prices than others. We can please you. Send five two cent stamps for our practical poultry book and get our special prices for limited time only. Address carefully

F. W. NEISMAN CO. Box 40, Freeport, Ill.
(No Connection with any other Establishment.)



SMITH'S S.C. White LEGHORNS

None better anywhere for exhibition or laying purposes. To make room for young stock will sell this season's breeders at bargain prices. 300 hens and several choice cocks. Here's a chance to secure fine breeding birds at much less than actual value. Young stock soon ready for shipment. Write your wants. **S. E. SMITH, BOX 101, NORWICH, N. Y.**

**Winners at
NEW YORK
ST. LOUIS**

MAKE YOUR POULTRY PAY.

It will not if you do not keep the lice down and feed a good wholesome, balanced ration. Our Triumph Lice Remedies and Poultry Foods will make it easy sailing. Write today for circulars.

ELMDALE FARM, C. L. DUFFIELD, Prop.

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This is it.



SHAW'S CONVENIENT LEG BAND

pleases everybody. You'd discard any other marker made and use it if you saw it. Send for free sample.

It Snaps On. It stays; it's aluminum; it has large raised figures; it's easy to read. Prices: 12 bands, 20c; 30 for 45c; 60 for 75c; 100 for \$1.00. I'll send you letters from poultrymen who know, with samples if you ask it. **H. O. SHAW, Box 103, GRINNELL, IOWA.**

Periodic Pains.

Dr. Miles' Anti-Pain Pills are a most remarkable remedy for the relief of periodic pains, backache, nervous or sick headache, or any of the distressing aches and pains that cause women so much suffering.

As pain is weakening, and leaves the system in an exhausted condition, it is wrong to suffer a moment longer than necessary, and you should take the Anti-Pain Pills on first indication of an attack.

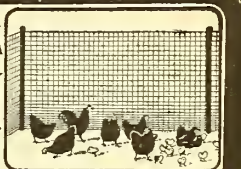
If taken as directed you may have entire confidence in their effectiveness, as well as in the fact that they will leave no disagreeable after-effects.

They contain no morphine, opium, chloral, cocaine or other dangerous drugs.

"For a long time I have suffered greatly with spells of backache, that seem almost more than I can endure. These attacks come on every month, and last two or three days. I have never been able to get anything that would give me much relief until I began the use of Dr. Miles' Anti-Pain Pills, and they always relieve me in a short time. My sister, who suffers the same way, has used them with the same results." **MRS. PARK.**
721 S. Michigan St., South Bend, Ind.

Dr. Miles' Anti-Pain Pills are sold by your druggist, who will guarantee that the first package will benefit. If it fails he will return your money. 25 doses, 25 cents. Never sold in bulk. **Miles Medical Co., Elkhart, Ind.**

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PICKETS LOCKED IN CABLES

Can't slip, but stretches perfectly to fit uneven ground. Fine meshes at bottom for little chicks. High as you want it, 1 to 7 ft. A poultry fence for all fowls that does not sag.

We sell direct to Farmers and Poultrymen. Prompt Shipments at Factory Prices. Mills in Connecticut, Illinois, California. Write for catalogue.

CASE BROS., 28 Main St., Colchester, Conn.

Granger Poultry Farm

S. C. Buff and White Orpingtons and Buff Leghorns

Eggs from imported and prize winning matings. Mating list giving prices and descriptions. Please write me stating wants.

F. A. CROWELL Granger, Minn.



EVEN HEAVY STOCK

Can't molest your poultry if enclosed with Page Poultry Fence. It's made of the same strong quality of coiled wire and woven in the same manner as Page Stock Fences. Heights 4, 5 or 6 feet. Bottom meshes only 1 1/2 inches. **PAGE WOVEN WIRE FENCE CO. Box 5869, Adrian, Mich.**

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Under this heading ads will be inserted for five cents per word each month for less than three months, **three cents per word for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. Commencing with the January, 1904 issue, all ads will be inserted under **classified headings.** No ads accepted at less than an average of 50 cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Copy for classified ads should reach us by 15th of month preceding date of issue. Write your copy plainly, as upon this the correctness of your ads largely depends. **AMERICAN POULTRY JOURNAL** is furnished every advertiser during the time his ad is running. **Forty thousand per month.** We guarantee an average monthly circulation of 40,000 copies of **AMERICAN POULTRY JOURNAL.** When placing your ads remember that advertisers of Classified Ads get better returns from **AMERICAN POULTRY JOURNAL** than from any other poultry journal—none excepted.

On writing any of these advertisers mention A. P. J. It helps you and doesn't hurt us.

All Copy for Classified Ads Must Reach us by the 19th of the Month.

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BUFF PLYMOUTH ROCKS. Exhibition birds a specialty. Ten years of most careful breeding of the J. D. Wilson and Nugget strains. A. World's Fair, St. Louis, Mo., 1904. Buff Rocks bred by me and sold to the Millville Poultry Farm Co., Millville, N. J., won for them: First prize cockerel in class of 87 entries; third prize breeding pen in class of 38 entries. George Fox, Torresdale, Philadelphia, Pa. 9-4

BUFF PLYMOUTH ROCKS, \$1 each. Lewis Warren, Tower Hill, Ill. 9-1

BARRED PLYMOUTH ROCKS exclusively. America's very best Hawkins, Conger, Miles, Leffel, Lash, Gardner-Thompson, and Bradley Bros.' strains. Exhibition birds a specialty. My birds are sure winners. Satisfaction guaranteed. Write for my circular before placing your order elsewhere is all I ask. J. D. Stevenson, South Fourth St., Coshocton, Ohio. 9-3

FOR SALE—One thousand Barred Rock fowls (Thompson & Hawkins). March and April hatch. Good winter layers. Cockerels simply superb. Write me your wants. G. B. Davis, Vernon Mills, Va. 9-3

BUFF PLYMOUTH ROCKS. It is said "The recollection of quality remains long after the price is forgotten." To obtain the present standard of excellence this was my constant watchword. They compare favorably with the best in the world. Stock for sale. Theo. Benner, Bunker Hill, Ill. 9-3

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COLUMBIAN WYANDOTTES. Stock for sale. Circulars. M. Gooding, Brockport, N. Y. 9-3

BRED-TO-LAY WHITE WYANDOTTES. Through trap nests have developed an exceptionally prolific laying strain. Some choice cockerels left. E. W. Schaperkottter, Webster Groves, Mo. 9-3

WHITE WYANDOTTES EXCLUSIVELY.—(Clement & Pike's strain.) Winners at Chicago. Will sacrifice 50 hens for \$100; 700 youngsters Sept. 1. C. H. Sharman, Rockefeller, Ill. 7-3

MANORDALE FARMS—Famous bred-to-lay White Wyandottes; 140 eggs in 151 days is a pullet record. Eggs, \$2 per setting. Joe F. Charles, Mountville, Pa. 3-12

WHITE WYANDOTTES. Reliance strain; always in the winnings, no matter how hot the class is. If you don't like the birds send them back and get your money. My object is to please. D. Lincoln Orr, Box 5, Orrs Mills, N. Y. 6tf

COLUMBIAN WYANDOTTES—Winners at Madison Square Garden; a few good cockerels to spare. Eggs, \$3 per setting. Dr. C. J. Andrus Canandaigua, N. Y., "The Black Minorena Man." 2-05-12

LEGHORNS.

BEEBE'S Leghorns, single comb, white. Result bringers. Good news for you; get my catalogue and see all kinds of fair prices in young fancy stock and eggs. H. C. Beebe, Route 5, Canton, Ill. 6-tf

GET THE BEST. Choice S. C. White Leghorn cockerels. Write for prices. Dr. E. W. Bogardus & Son, Romulus, N. Y. 9-3

SINGLE COMB WHITE LEGHORNS.—Eggs from prize winning pens, \$1 per setting, \$5 per 100. R. R. Rowe, Elgin, Ill. 7-3

SINGLE COMB BUFF LEGHORNS. Choice young stock at reasonable prices. Also yearling hens; fine layers. Westview Poultry Yards, Machias, N. Y. 9-3

SINGLE COMB White Leghorn cockerels for sale, 80c each. John Colwell, Bellaire, Kan. 9-1

IF YOU WANT eggs in winter buy Crystal strain Rose Comb White Leghorns. 1810 Sherman Ave., Evanston, Ill. 9-3

BUY A HUSTLER. Choice Single Comb White Leghorn cockerels, \$1 each. Herbert Henry, Ogdensburg, N. Y. 9-3

WHITE LEGHORN COCKERELS, \$1 each. Princess strain, large, pure white, nice combs. Satisfaction guaranteed. Willie Sydnor, Barton Heights, Va. 9-1

FOR SALE—Seventy-five April-hatched Rose Comb Brown Leghorn cockerels, \$1 each. W. E. Callihan, Tennessee, Ill. 9-4

SINGLE COMB White Leghorns, cocks, cockerels, hens and pullets, \$1 each; five or more, 80c each. Meadow Poultry Farm, Coulterville, Ill. 9-1

ROSE COMB BROWN LEGHORNS, winning strain, yearling hens and cock birds for sale. Choice young stock at reasonable prices. For full particulars write James Crawford, Cameron Mills, N. Y. 9-3

ROSE COMB BROWN LEGHORNS.—Eggs and stock of finest quality at reasonable prices. Kennell Bros., Christiana, Pa. 7-3

WHITE LEGHORN EGGS, the kind you have been looking for. Two hundred egg strain, fine in shape and color. Birds score from 92½ to 95½. Satisfaction guaranteed or money back. Eggs, \$2 per 15, or \$8 per 100. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

H. M. MOYER, SPECIALIST.—S. C. Brown Leghorns. Stock and eggs. Circular free. H. M. Moyer, Route 2, Bechtelsville, Pa. 11-04-12

BUFF AND WHITE ORPINGTONS—Breeders and young stock for sale. Closing out Buff Rocks. Irving Crocker, Seneca Falls, N. Y. 9-3

SACRIFICE SALE of Prize Winners White and Brown Leghorns, finest strains. Write, D. I. Howard, Aberdeen, Miss. 8-3

SINGLE COMB BUFF LEGHORNS. Standard strain. Breeding pen contains solid colored birds. Two pullets scoring 95½ each, cock bird 94½ (wood to lay), eggs \$2 for 13. Clarence C. Bredeco, St. Joe, Sta., Ind. 2-tf

BRAHMAS.

FIFTY HEAD of choice yearling Light Brahma hens for sale at \$1 each if taken soon; to make room for my growing stock. O. J. Austin, Pana, Ill. 7-3

MINORCAS.

WHITE MINORCAS—At the greatest Chicago Show ours won 1st, 2d, 3d pen, 1st cock, 1st, 2d, 3d, 5th cockerel, 1st, 3d, 4th, 5th pullet, 2d, 3d, 4th, 5th hen and 2 silver cups. Stock for sale. S. A. McWilliams, 3456 Michigan Ave., Chicago, Ill. 3tf

ROSE COMB Black Minorcas exclusively. Northrup and Suttin strains. Best on earth. Exhibition birds a specialty. My birds will win you out in strongest of competition. I insure entire satisfaction. Write me for circular. Harold Stevenson, 451 South Fourth St., Coshocton, Ohio. 9-3

S. C. B. MINORCAS, 2 cocks, \$1.50 each; 1 cock, \$5; 5 hens, \$1 each. P. P. Stekelee, Muskegon, Mich. 9-1

SOME FINE Rose Comb Black Minorcas for sale cheap. Prize winning stock. Fine winter layers. Gordon W. Kingsbury, Ann Arbor, Mich. 9-3

ORPINGTONS.

WHITE ORPINGTON HOME, America's largest specialty. S. C. White Orpington farm. Winners furnished for any competition. Breeders in any number at prices that are right. My customers won in the largest shows the past season. Write requirements. Earl L. Cook, Munsville, N. Y. 9-3

WHITE ORPINGTONS. Stock for sale. Circulars, M. Gooding, Brockport, N. Y. 9-3

ROSE COMB BUFF ORPINGTONS, Rose Comb White Minorcas, Buff Rocks, fine birds. Prices reasonable. B. Wenk, Washington, Ill. 9-3

RHODE ISLAND REDS.

EVERY SINGLE COMB RED on farm sired by Chicago prize winning cockerel. Very reasonable quality considered. Harry R. Crane, Modesto, Ill. 9-3

JAVAS.

PINE GROVE POULTRY FARM—Black Javas exclusively. The king of winter layers. Choice early hatched cockerels for sale; reasonable prices. Gerald J. Townsend, Poyette, Wis. 9-3 Brighton Ave., Syracuse, N. Y. 9-6

ANDALUSIANS.

HIGH CLASS BLUE ANDALUSIANS—Choice stock for sale. Circular. E. A. Parks, 160 Brighton Ave., Syracuse, N. Y. 3-3

CHOICE ANDALUSIAN chicks for sale, from my prize winning Peerless Blue strain. Quality and price will please you. Circular. R. H. Quackenbush, Baldwinsville, N. Y. 7-3

SPANISH.

FOR SALE—Fifty Whitefaced Black Spanish cockerels from good laying strain. R. D. Lough, Vienna, Ill. 9-1

ANCONAS.

BEAUTIFUL ANCONAS, grand in standard and utility qualities. Splendid layers, winter and summer. Best winter layers, big white eggs. Catalogue free. O. S. Evans, Roxbury, Ohio. 5-3

PHEASANTS.

GOLDENS, Amhersts, Reeves, Versicolors, Ringnecks. Stamp for reply. Coote & Roberts, 899 King St., East, Hamilton, Canada. 9-3

GAMES.

BLACK, RED and Silver Duckwing, Pit Games, choice stags and pullets. Circular for stamp. Clark Price, Rochester, Mich. 9-3

BANTAMS.

JAPANESE BANTAMS advertised on page 652. Frank Radford, Os kosh, Wis. 9-1

WON MORE FIRST prize Pan-American on Golden and Silver Sebrights than all my competitors combined. Buff, Black and Partridge Cochins bred to win. Eggs, \$3. Clyde Proper, Schoharie, N. Y. 4-6

LIGHT BRAHMA BANTAMS. World heaters. History records the fact that Orr's Light Brahma Bantams won more firsts at the World's Fair than all my competitors combined, also at Madison Square Garden. Satisfaction guaranteed. D. Lincoln Orr, Box 5, Orrs Mills, N. Y. 6tf

SEVERAL BREEDS.

GIEBELHAUSEN'S WHITE ROCKS and S. C. Brown Leghorns for sale; 50 large, vigorous cockerels, 100 fine pullets. Bred from high scoring birds. Wanting first-class breeders or exhibition birds, write Jacob Giebelhausen, R. No. 34, Peoria, Ill. Please mention this paper. 9-1

HIAMBURG, LEGHORNS, Minorcas, Reds, Rocks, Wyandottes. Eggs and stock. Bargains. Albertville Poultry Farm, Albertville, Ala. 8-4

POULTRY BOOK ON APPROVAL—Our new 128-page poultry book sent on 10 days' approval. Send 4c in stamps to pay postage. If the book is not what you want you can return it. Send today. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-tf

INGERSOLL guarantees thirteen chicks or nine ducks, or replaces settings at half price from his prize winning record layers. White and Barred Rocks, White Leghorns, \$3 per 15; Mammoth Pekins, \$2 per 11. The best bred Fox Terriers in America; death to rats and "varmints"; pups, \$5 and upward. Seldom Surprize at stud, fee \$5. The best sire in the country. Box A, Shermerville, Ill. tf

ALL BREEDS of Live Pure Bred Poultry, Pigeons, Pheasants, Turkeys, Rahbits, Belgian Hares, Cavies, Dogs, Cats and all Pet Stock. A complete list in our large 162-page catalogue. Excelsior Wire & Poultry Supply Co., Dept. O, 26 to 28 Vesey St., New York City. 10-04-1yr

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SQUAB BREEDERS—One hundred pair healthy, pure bred Homers that produce very large plump squabs. Prices very reasonable. Satisfaction guaranteed. Visitors welcome, as stock must be seen to be appreciated. Shipments made from St. Louis. Glendale Poultry & Squab Farm, Old Orchard, Mo. 9-3

ACCOUNT MOVING will sell 1,000 pairs straight Homer Breeders, mated. Prices right. Also 1,000 youngsters. Perfection Squab Co., Greenfield, Ind. 9-3

PIGEONS—Large mated Homers, producing heavy squabs, 90c pair. Not satisfied, money back. Ferd. Sudow, Poughkeepsie, N. Y. 8-6

CLARENCE L. GARNER, Elwood, Indiana, breeds pure bred English and Belgian Homer squab breeders; large, healthy birds. Square deal assured. 7-3

P. NEWCOMB, CEDAR RAPIDS, IOWA, has the largest loft of pigeons in the West; all leading colors in Fantails, English Pouters, Tumblers, Jacobins, Swallows, Turbits, Arch-angels, Magpies, White Branner Pouters, Homers, Dragons and Carriers.

PIGEONS?—Thousands of them, all known varieties. Prices free. Illustrated descriptive book tells all you want to know, one dime. Wm. A. Bartlett & Co., Box 13, Jacksonville, Ill. 3-1f

SQUAB BREEDERS. ATTENTION—Mammoth English Runt pigeons, just the birds to increase the size of your squabs. Write for folder. J. M. Riel & Son, Downer's Grove, Ill. 10-04-1yr

TURKEYS, DUCKS, AND GEES.

INDIAN RUNNER DUCKS. Winners at World's Fair, New York City, Chicago and Kansas City. Send for catalogue. R. L. Castleberry, Route No. 1, Oswego, Kan. 9-3

AFRICAN, EMBDEN, Toulouse, White and Brown China geese: Pekin, Rouen, Aylesbury, Cayuga, White and Colored Muscovie ducks. Dawson Bros., Box A, Franksville, Wis. 9-3

BIRDS, PETS, ETC.

SPECIALS FOR JULY AND AUGUST.—PAR-ROTS. Young, hand-raised Mexican and Cuban parrots, \$2.50. Imported Hartz Mountain Male Canaries, \$2. All kinds rare birds, fine bred dogs, Angora cats, monkeys, ferrets, pets, and living wild animals: cages, aquariums, etc. Dayton Bird Store, Dayton, Ohio. Dept Cal 7-3

FERRETS! FERRETS! Also all Poultry. Eggs, 20 for \$1. Also Pigeons and Hares, List free. A. L. Bergey, Telford, Pa. 7-3

FERRETS—Trained; warranted free from disease. Satisfaction guaranteed. Write. A. L. Garrison, Sullivan, Ohio. 8-3

MISCELLANEOUS.

FOR SALE—Two Sure Hatch incubators, 75 and 100, \$10; 5 Buff Rock hens, \$1 each; 11 Barred Rocks, \$1 each. Maggie Pettit, 405 West South Second, Abilene, Kan. 9-3

FINE POULTRY FARM for sale at a bargain. Must sell because of poor health. For particulars address Brookhurst Poultry Farm, Route 2, York, Pa. 9-3

FOR THE BEGINNER—Our new book, "Successful Poultry Culture for Pleasure and Profit." The best 128-page poultry book ever published. Price, 50c. This book will be sent to you on approval. If not what you want you can return it. Send 4c in stamps to pay postage. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

SEND US 4 CENTS and receive a copy of our 128-page poultry book on 10 days' trial. If not what you desire same can be returned to us. Congress Park Poultry Yards, Box A, Congress Park, Ill. 4-1f

DOGS.

FOR SALE—Pedigree Red Cocker Spaniel pups, \$15, or will exchange for high-grade Barred Plymouth Rock chickens. F. S. Davis, Lake Bluff, Ill. 9-1

FOX TERRIER DOGS protect poultry yards against rats, skunks, weasels. Fine pets. Circular. W. G. Smith, 200 Moore Place, Detroit, Mich. 7-6

COLLIE PUPPIES, sired by the sensational imported Master Clinker, a \$1,000 collie, \$10 and up. E. J. Thomas, Elkhorn, Wis. 9-3

FOX TERRIER PUPPIES for sale. Also White Wyandottes, Hawkins' and the world's best. G. W. Campbell, Mount Vernon, Ind. 9-1

HIGH CLASS, pure bred, pedigreed English Fox Terrier females six months old for White Pekin ducks. Nevada Fox Terrier Kennels, Nevada, Mo. 9-1

FOR SALE—Fine Scotch Collie puppies, registered stock only. Also a few hitches in whelp. Will trade for some fine chickens, Rhode Island Reds or Plymouth Rocks preferred. F. W. Meyer, Box 513, Norfolk, Va. 9-1

WANTED.

WANTED TO TRADE Silver Wyandottes (Steinmesch strain), R. C. R. I. Red cockerels and Fox Terrier pups (imported stock) for White Wyandottes. This is A No. 1 stock and I expect the same. Bigelow, 1408 Fisher Bldg., Chicago, Ill. 9-1

WANTING TO EXCHANGE fancy chickens for fancy pigeons. Geo. P. Koehler, McNabb, Putnam Co., Ill. 9-1

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I have the finest lot of young stock I have ever raised. For sale in September.

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Good breeding stock for sale. 125 hens and a few male birds.

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Try them. None better: few as good.

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won 12 premiums at World's Fair, St. Louis, including 1, 2 and 3 Rose Comb cockerels, winners at Chicago and other large shows. Eggs from World's Fair mating, \$3 per setting; regular pens \$3. Stock for sale.

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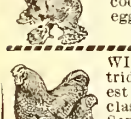
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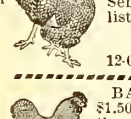
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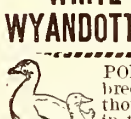
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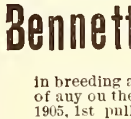
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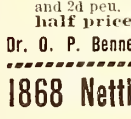
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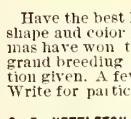
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in breeding and individual merit are the equal of any on the market and won at Chicago, Jan. 1905, 1st pullet, 2d cock, 2d hen, 3d cockerel and 2d pen. Choice breeders for sale at half price.
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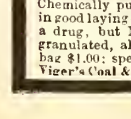
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Buff Rocks
My 1905 youngsters are now ready to make their bow, and a finer lot, both in style and plumage, it has never been my pleasure to see. They are simply immense.
Prize Winners by the Wholesale
First, seconds and thirds. All cannot win blue ribbons, some must be satisfied with the red and others with the white. As I do not exhibit, there is a price on every bird. You can have first choice, will you take it? Write, describing fully what you want.
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Pen No. 1 is headed by first prize cockerel at Chicago, 1904, mated to pullets scoring from 94 to 95. Pens 2 and 3 are headed by 1st and 2d cocks at Kankakee, mated to hens and pullets scoring 93 1/2 to 95. EGGS only \$2 per fifteen. Send for free circular.

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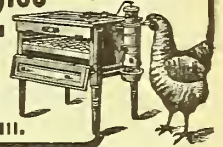
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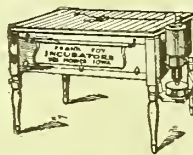
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Without question the most profitable strain of poultry in America today. 1000 extra choice
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They are the ideal breeding matings for season of 1906, and we will make special inducements in prices to
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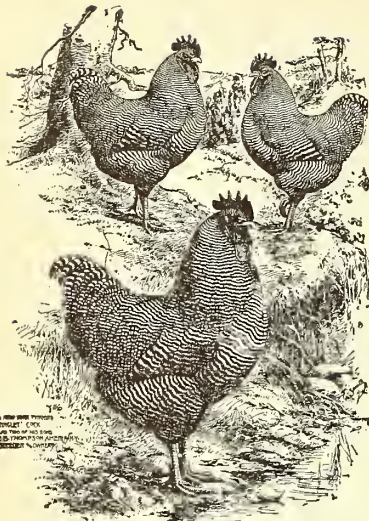
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At the Imperial Show of the Nation, Madison Square Garden, New York, January, 1903.

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Stamped their superiority in the most decisive manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen and pullet. This is the third time the "Ringlets" have won this grandest of all trophies, giving them now absolute and final ownership. In this "COLOSSAL CONFLICT" the "Ringlets" lifted the great National Sweepstakes Cup presented by the American Plymouth Rock Club for best cock, cockerel, hen and pullet. My Barred Rocks won double the number of silver cups and special prizes of any competitor, including the sweepstakes special in gold for best Plymouth Rock on exhibition male or female any variety.

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BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER WHITE AND BUFF.

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Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others. My matings this season are the best I ever owned. * * * * *

At the Great National Show, WASHINGTON, D.C., in hot competition with over 300 birds of these varieties, the best that could be found regardless of price, I won 45 Regular and Special Prizes or 39 Entries, including First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show (Bantams excluded), and this on my First Prize Barred P. Rock Cockerel. My winning White Wyandotte cock was pronounced by the judges to be the best they had ever seen. I won twice as many first prizes as all other exhibitors of these varieties. My BUFF ROCKS, at Boston, 1899, in hot competition, won more first and special prizes than all others. My customers are winning all over the country. If you want the BEST, write me. Hundreds of Choice Exhibition and Breeding Birds at Honest Prices. Catalogue of America's finest Plymouth Rocks and Wyandottes free.

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AMERICAN POULTRY JOURNAL

Vol. 36

October, 1905.

No. 10.



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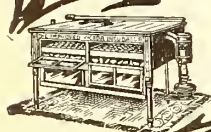
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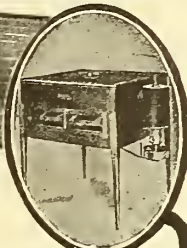
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No. 10.

ORIGIN AND HISTORY OF THE BREEDS

Source of the Various Varieties of the Plymouth Rock Family—The First Fowls to Bear This Honored Name Were a High-Bred Cross, a Mingling of Cochin-China, Dorking, Great Malay and Wild Indian Bloods—They Were First Shown at Boston in 1848-9 by Dr. John C. Bennett, the Originator—Were Not Again Exhibited and Soon Became Extinct—The True Facts Regarding the Origin of the Present Race of Barred Plymouth Rocks—Many Claim the Honor of Having Originated the Popular Fowls—Other Varieties of the Family of Recent Origin—Breed Characteristics.

Paper No. 3.—All Varieties of Plymouth Rocks.

Written by Thos. F. Riggs, Associate Editor American Poultry Journal

As firmly anchored in the hearts and affections of the American fanciers and breeders as the rugged rocks from which they take their name are held in the stormy Atlantic the Plymouth Rock fowls are the nation's pride and boast. We all love them. We created them. They are all our own. The Barred Plymouth Rock is today the most plentiful of all standard-bred fowls. They are to be found in the yards of the ultra-fanciers, on the farms and in the cottagers' homes. The supply of choice Barred Rocks for breeding and exhibition purposes is not equal to the demand. Prices for extra choice specimens of this variety range higher than for like specimens of other varieties and breeds. They are bread-winners. They have never disappointed the breeders who have given them proper care. They are immensely popular on the farms, and for this reason Barred Rock breeders can dispose of their surplus stock to better advantage than can the breeders of other varieties of fowls.

The fowls upon which the name Plymouth Rocks were first bestowed were only a high-bred cross, shown on Boston Common in 1848-9 by Dr. John C. Bennett. They were not shown again, and disappeared. They were a cross of Asiatic fowls and the Dorking. Dr. Bennett in 1853 thus described his creation. Note carefully his description of these fowls which in no way resemble the Barred Rock of today. Dr. Bennett said:

"I have given the name Plymouth Rock to a very extra breed of fowls, which I produced by crossing a cockerel of Baylies' importation of Cochin-China with a hen, a cross between the fawn-colored Dorking, the Great Malay, and the Wild Indian. Her weight is six pounds and seven ounces. The Plymouth Rock fowl, then, is, in reality, one-half Cochin-China, one-fourth Fawn-colored Dorking, and one-eighth Wild Indian; having five primitive bloods, Shanghai, Malay, Game, Turkish, and Indian, traceable by referring to the history of these breeds and their crosses respectively. There are several of plumage is rich and variegated; the cocks, usually red or speckled, and the pullets darkish brown. They are very fine fleshed, and early ready for the table. Their legs are very large, and usually blue or green, but occasionally yellow or white, generally having five toes upon each foot. Some have their legs feathered, but this is not usual. They have large and single combs and wattles, large cheeks, rather short tails, and small wings in proportion to their bodies. They are domestic, and not so destructive to gardens as smaller fowls. There is the same uniformity in size and general appearance, at the same age of the chicks, as in those of the pure bloods of primary races. The demand for this breed has exceeded all others during the season, and they have been sent into most of the New England states and western New York."

A Mr. Burnham in a communication to the Massachusetts

Plowman, a little later in the same year thus described his Plymouth Rocks:

"The cock here represented weighs nine pounds and a quarter and the two pullets thirteen pounds. I am daily more pleased with this fine species. I have the Plymouth Rocks at all ages, from a few days up to about eight months old, and my specimens embrace five or six broods. The color of all of them is particularly uniform, and I am satisfied that the variety (or breed) is now well established. The body plumage on the pullets is a rich deep brown, speckled with golden-tipped feathers; the under down is black (or a deep blue-black), and the tail is brown, black and gold.

"The legs of the pullets are very dark colored, and one-half of them, or more, are five-toed, but some of them do not come so. The comb is single, and the wattles thin and small. The head and neck are well formed, the legs are shorter than the average of fowls, and the hens are not only deep and broad-chested, but the bodies are proportionately long.

"The roosters are noble birds—among the finest I have ever met with. I have two well-grown crows, very similar in their appearance, carriage, color, size and general points.

"I am satisfied that the Plymouth Rock fowl, properly bred, will become a most valuable one to the poulterer or the agriculturist; and I believe that a pair of the specimens I now have will weigh eighteen pounds or more by next spring. I deem this ample, for a size, and, with the other good qualities of these fowls for laying, quietness, easy keeping and hardiness, I think these qualities will cause them to rank among the very best fowls in our country, eventually.

"The plumage of the roosters is dark red hackles, on neck and rump; the legs are bright yellow, slightly feathered; the body dark red and green, relieved with stray feathers of a golden tint; the under portion of the body and breast is a rich, deep, glossy blue-black—partaking of the plumage of the Wild Indian fowl, the original cross. When in full plumage the tail feathers of the male are heavy, which gives him not only a much larger proportionate appearance, but very greatly improves his form."

Mr. Bennett's production never attained the dignity of a race of fowls, and in a very few years became extinct, the first fowls to bear the honored name of Plymouth Rocks being but a passing shadow.

The nucleus of the breed as known today made its appearance in the exhibition of a trio of fowls "in color bluish-gray, barred in lines of a darker blue," exhibited by D. A. Upham at Worcester, Mass., in the show season of 1868-9. These were christened Plymouth Rocks. They were the first fowls of the name to become thoroughly established as to size, shape and color markings. They were the American's fanciers' first creation. This trio was purchased by Mr. C. C. Lowring, and were put into the yards of the late Mark Pitman, who carefully bred them until 1876, when the entire flock was sold to I. K. Felch, of Natick, Mass. These birds were subjected to matings of stock known as the Gray and Drake strains. Eight of the best birds were placed on the town place of Mr. H. B. May, where these cross matings were made, the Mark Pitman birds being given the control of blood lines, which in 1878 produced the Plymouth Rock proper, a race of fowls in color bluish-gray, barred in deep blue lines. Specimens of this breeding were largely the winners in the exhibition halls for the following ten years, and were the foundation of the crosses resorted to by several breeders who have become prominently identified with the breed. These were the birds that become noted as the Essex strain. Their fame spread, and this brought to the surface many who were anxious to secure the honor of originating the breed. Several so-called strains were brought to public notice, each claiming a somewhat different crossing of the pure blood, or established Plymouth Rock fowls—all the color of the American Domini-

ques—which must be conceded as the source of supply of the color of the Plymouth Rocks. These co-called strains were made as follows:

No. 1. Black Spanish sire with White Cochins. These half-bloods were bred to American Dominiques.

No. 2. Black Spanish male bred to Gray-Dorkings, top-crossed with American Dominiques. These were known as the Gray strain of Plymouth Rocks. Many showed the salmon breast of the Dorking.

No. 3. American Dominique males with Buff Cochins— the color results being the influence of the Dominique blood. These were a controlling force in what was afterwards known as the Raudall strain.

No. 4. White Birminghams (an English fowl) with Black Spanish, the result subjected to Dominique males.

No. 5. White Birmingham-Black Java females produced from the No. 4 groups. The first cross produced birds white, black and Dominique. It was these that were selected and bred to group No. 4. A large proportion of the stock produced by this mating came in the Dominique color, and gave the best results of any of the foregoing mating or crosses.

No. 6. A Mr. Drake bred into this Upham creation Dark Brahma blood, producing one of the most phenomenal trios, and one that was never beaten in the show room. It is said that from black females which came from this cross were produced a large portion of the winners of that time. At the death of Mr. Drake the four females went into Mr. Philander Williams' hands. One other male, the product of a Dark Brahma hen and a Pitman male, produced a cockerel that was never defeated in the show room. These were incidents of the time between 1869 and 1878.

These are the facts, as nearly as can at this date be ascertained regarding the origin of the Barred Plymouth Rocks.

Mr. C. E. Thorn, in 1886, in *The Complete Poultry Book*, said:

"Several years after the extinction of Dr. Benuett's Plymouth Rocks, a new breed sprang up, apparently simultaneously, from several parts of New England, and, as a matter of course, as soon as the breed had had time to prove that the most valuable cross of a century had been made, numerous claimants arose for the honor of having originated it, and a second 'Light Brahma' war was waged with great determination, one party claiming that a Mr. Spaulding, of Putman, Conn., produced the genuine Plymouth Rock in 1866 by a cross of a hawk-colored dunghill cock and an Asiatic hen. Another party claimed to having used Dominique and Black Java fowls in the making of the breed. Upon this point the editor of *Poultry World* wrote in March, 1876:

"When the smoke has cleared away it will be found that this breed (Plymouth Rocks), has had several independent origins. As oil and potash may be united and soap made ever anywhere, so hawk-colored barnyard fowls may be amalgamated with some Asiatic variety in any state in the Union and Plymouth Rocks formed.

"Mr. A. H. Drake, of Stoughton, Mass., has a strain of Plymouth Rocks which he has bred for nineteen years, which has not a drop of the Spaulding blood, nor the slightest admixture from any other strain. We have word from a Pennsylvania correspondent that on farms in Bucks county, that state, fowls have been found almost from time immemorial, that were identical with Plymouth Rocks, and were produced, incidentally, by the introduction of Asiatic blood into the common hawk-colored stock of the county. It must be kept in mind that upon many farms in all parts of the land, twenty, fifty, or one hundred years ago, hawk-colored fowls were numerous and common. The modern Dominique fowl is nothing more or less than a hawk-colored dunghill bird, improved by cultivation. For that matter the Leghorn is a genuine Italian dunghill fowl, improved."

At the time the editor of the *Poultry World* wrote the above lines he was in the thick of the fight then being waged as to the origin of the Barred Rocks, and can not, as a matter of fact, he considered a reliable historian. Still there is a great deal of truth in what he says. The truth of the facts as we have here given them will stand any test the searcher after historical truth may make.

WHITE PLYMOUTH ROCKS.

White Plymouth Rocks made their appearance in 1875, in the yards of Mr. Oscar F. Frost, of Monmouth, Maine, a breeder of Barred Rocks. Mr. Frost claimed they were sports from his Barred Rocks. He exhibited some of them at Bangor, Maine, in 1876. Referring to that exhibit Mr. I. K. Felch says:

"I was acting as judge at that exhibition. A trio of these White Rocks were offered to me, but I foolishly declined to accept them. However I advised Mr. Frost to continue to breed them, for, as I told him, he would have no trouble with

the color. These are the fowls which waded through deep mire in subsequent years, before they were admitted to the Standard and their good qualities became known, and the variety accepted by fanciers. The Barred and the Whites are the only Plymouth Rocks of absolute purity of Plymouth Rock blood. All others are of recent origin, and the original birds known to many of the present generation. While known as Plymouth Rocks they (the Buff, Partridge and Silver Penciled) have not a drop of Plymouth Rock blood in their veins. They are interlopers in the family—adopted children."

BUFF, PARTRIDGE AND SILVER PENCILED VARIETIES.

These varieties of the Plymouth Rock family are creations of today. The foundation of the Partridge variety is the Partridge Cochins, many different crosses being employed. The Silver Penciled variety is founded on the Dark Brahma.

There were two original strains of the Buff Rocks. J. D. Wilson, Worcester, Mass., was the originator of one of these strains. His were produced by Buff Cochins-Light Brahma crosses. At Fall River, Mass., N. B. Aldrich and R. G. Buffington produced birds known as Buff Rocks. They were a combination of White Rocks and Rhode Island Reds. These different strains were united and the result was the accepted Buff Rocks. Dr. Aldrich and Mr. Buffington exhibited their productions at Providence, R. I., in December, 1890. Dr. Aldrich called his Golden Buffs. Mr. Wilson exhibited his as Buff Rocks at the World's fair, 1893. They were exhibited by other persons in 1892 in the eastern shows.

BREED CHARACTERISTICS.

Standard weights of all Plymouth Rocks: Cock, 9½ pounds; cockerel, 8 pounds; hen, 7½ pounds; pullet, 6½ pounds.

Disqualifications: Positive white in ear lobes; red in any part of the plumage; two or more solid black primaries, secondaries or main tail feathers; shanks other than yellow; with due allowance for fading with age, dark spots not to disqualify.

In shape the Standard requirements are the same for all varieties of Plymouth Rocks. Plymouth Rock shape is distinctive. The Rock is built on straight lines. The Wyandotte is a bird of curves. The Rock body should be long, broad, deep and full; back rather long, rising with slight concave sweep to tail; breast, broad, well rounded; comb, single, upright, with five points.

Color of the Barred Rock should be modified black and white in all sections, the bars narrow, regular, and running parallel across the feathers, the overlapping of the feathers producing a blue tinge. The color should be the same in all sections, each feather being barred its entire length—to the skin.

The White Rock must be pure chalk white in every section.

The Buff variety must carry a plumage of rich golden buff of even shade throughout, free from shafting or mealy appearance. The head, neck, hackle, back, wing-bows and saddle richly glossed with a metallic luster. The undercolor a lighter shade. This for the male, and female.

The Partridge Rock must carry the penciling of the Partridge Cochins.

The Silver Penciled variety has the markings of the Dark Brahma.

The Partridge and the Silver Penciled varieties were very kindly received last season in the show rooms of the country. That they will be pushed and become popular seems certain. They are very beautiful creations. While they possess intrinsic value their place will be that of fanciers' fowls.

THOS. F. RIGG.

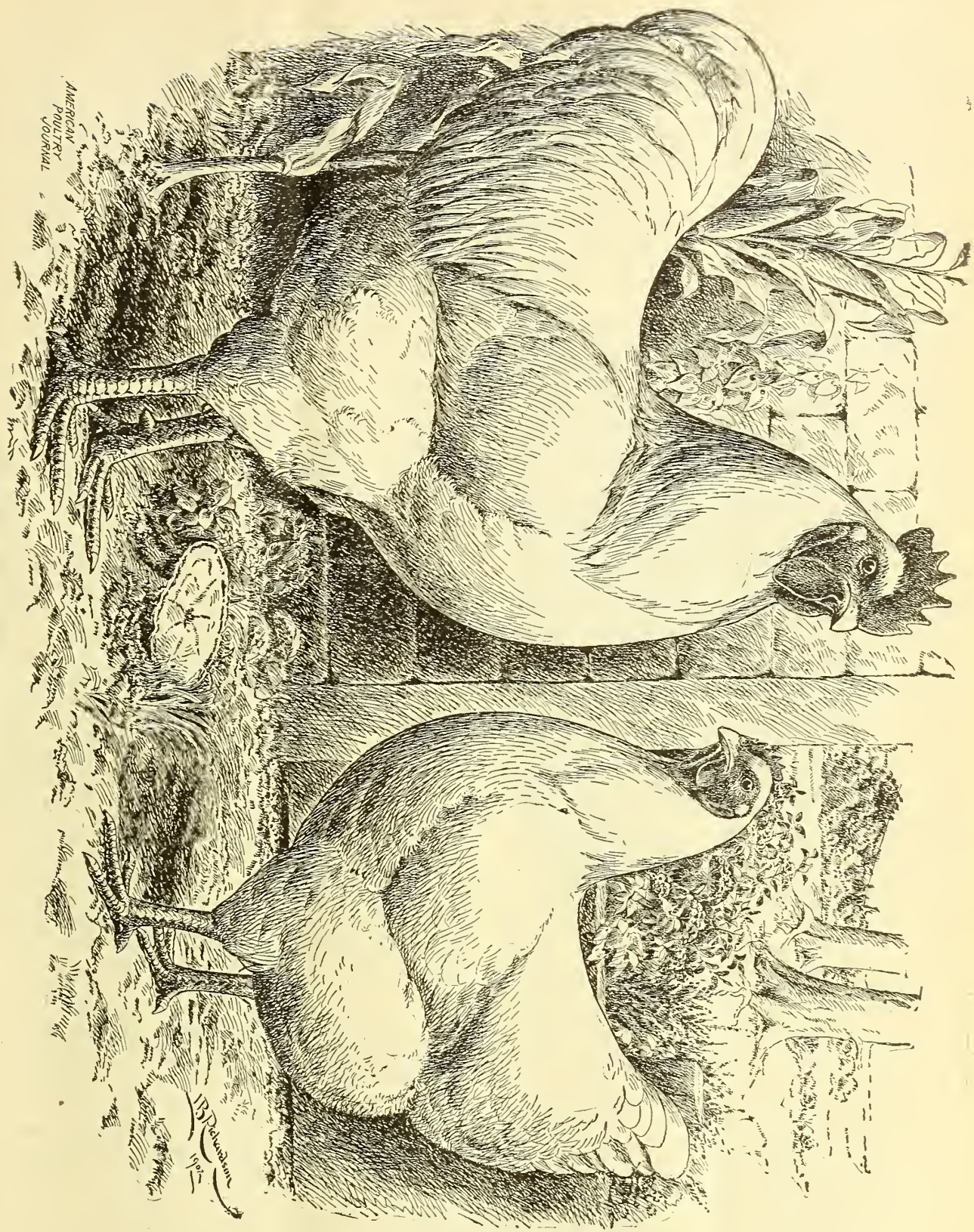
Mr. Felch says that the pullet that commences to lay earliest in life is the one to lay the largest number of eggs through life, as cattle that have the milk-producing organs active make the best cows. Select the fast-growing, early-matured specimens that present in full the type and size found in the breed, and use only these as breeders, and the egg-producing merits will be increased. It is care and attention to the flock that finds and secures these merits in the progeny. Neglect and haphazard breeding never pays.

Almost infinite are the reasons for dead chicks in the shell. The incubator manufacturer is not the responsible party. If the incubator will produce sufficient heat, will permit of accurate regulation of heat and will permit a wide adjustment for ventilation, the manufacturer has done his part. The rest of the responsibility rests with each individual operator and breeder.

The commission man is apt to be kicked for cutting the price of the poultry shipped, when the fault really belonged at home. Not all commission men are dishonest. They are more apt to tell good salable stock than the shipper.

AMERICAN
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IDEAL WHITE PLYMOUTH ROCKS.



Monthly Prize Article Department

We would like to have all of our readers compete for the prizes offered each month in this department. Send as many articles each month as you desire. For the best article we will pay \$3.00 and for the second best \$2.00. Make your communication about a column in length, which is about 600 words. They should be timely and appropriate to the season. Articles describing appliances and houses and accompanied by rough drawings are especially desirable. All the communications must be accompanied by a letter stating that they have been sent in for competition in the Prize Article Department. All articles must be written on one side of the paper only. Articles received after the 15th of the month will be too late for competition in the month following, but will be entered the next month. No manuscript will be returned, but all who send meritorious articles will be given a year's subscription to AMERICAN POULTRY JOURNAL, whether the article is published or not.

*The first prize in the contest this month has been awarded to A. V. Meersch, Poughkeepsie, N. Y., and second prize to J. C. Miller, Topeka, Ind.

FOWLS IN BAD WEATHER.

When the weather is rainy or boisterous a fowl is a particularly wretched looking object. Directly rain commences the poultry will be seen with drooping tails, hurrying off to the nearest shelter. If there is no protection from the wet they will stand close together, huddled up, wet through and the picture of misery. In a farmyard there is almost invariably a barn or other outhouse where the birds can get out of the rain and wind and remain in comparative comfort. But in hundreds of small confined runs in which the majority of poultry lovers have to keep their fowls there is, as a rule, no protection whatever.

The small houses having a space underneath, which can be purchased from many appliance makers, are very useful in this respect. But the ordinary home-made little houses and runs seldom have any provision for a rainy day, so the unfortunate birds either have to stand out in the open or crowd into the roosting house. The moist heat engendered by their damp bodies is liable to promote cold and roup under such conditions. The value of having the house ventilated under the roofs is specially apparent in wet weather. Cleanliness too, must be observed with the birds remaining in the house most of their time. An excellent material with which to cover the floor is moss spread three or four inches deep. It absorbs the moisture, is dry and warm for the feet, is clean and can easily be cleaned with a rake or trowel. During a continuance of wet weather, as we have in New York state just now and probably in other states as well, the run becomes very sloppy and sodden with the movements of the fowls. To prevent this, the coal ashes from the house should be thrown on, particularly around the edges of the runs and near the door where the birds assemble mostly expecting to be fed. In some neighborhoods an idea prevails that the ashes produce disease among the poultry. How this originated is difficult to imagine. It is simply one of the senseless beliefs that are so hard to eradicate.

The question is often asked, whether the poultry run should be dug up frequently, so as to give a change of soil, or whether it should be left as it is? Digging it up is a very doubtful benefit, the worms and insects that are exposed when the earth is turned over afford much pleasure to the fowls and the scratching exercise is good for them, but the surface becomes very uneven and difficult to clean. The rain also ponds in the little hollows and the ground becomes more sticky and muddy with the constant treading about of the fowls. It soon becomes sour and tainted. Instead of digging up the run it is more satisfactory to beat the earth as hard and as level as possible and then to throw on this plenty of ashes and coarse grit. If the surface of ashes is dug out and removed occasionally and replaced by fresh, the run will last untainted much longer.

During bad weather it is better to give the poultry that are confined in small runs their food from a trough or some such vessel. If the food, both grain and meal, is thrown on damp ground a quantity of offensive matter will adhere to it and be swallowed by the birds. The dust bath must be kept dry and well filled with sand or sifted earth. A few old sacks thrown over the top of the run will keep out a lot of the rain. The front also can be protected by a few boards nailed together and made into a screen, which can be temporarily fastened to the wire during bad weather.

A. V. MEERSCH.

Poughkeepsie, N. Y.

A PLEA TO INSTILL KNOWLEDGE—MAJORITY IGNORANT.

The world is rapidly advancing. New lessons are learned every day; new discoveries are made; new knowledge goes into

print—on record; new inventions hasten the speed. The old sickle lies on the shelf only a witness of a time that has gone by. We question whether poultry knowledge is increasing at the same ratio. The people are not educating themselves along these lines. The majority (at least in these parts) are in the dark. Of course there are some who have created an interest and are conducting the business to success. The farmer here holds poultry in the background. Where, would he look over the world and comprehend its maneuverings, would he make it first. We cannot refrain from giving example before proceeding farther. We call at his home, we see what he calls his poultry house, away back from the house; you can see through at the first glance. Small; shed-board roof, boards hanging loose; no windows. Is that your poultry house? Yes. We start to go in and are almost struck down with the odor that meets us. No nests. His flock of mongrels are pale and wild as deers. If per chance they lay they must make their own nests. We question him farther. What variety of chickens have you? Oh! they're mixed. How many have you? Oh! we've got quite a lot of 'em; the women maybe can tell you; they know more about the chickens than I do. How many eggs do you get? Oh! we get about a dozen a day. They had the cholera last spring, but they kinder got over it. Have you many young chicks? Yes; quite a few. What percent of your hatch do you mature? I can't exactly tell; we have to hatch about 150 to raise 40; they'll always so many die any way. How and what do you feed? Oh! in the summer we don't feed them at all; and in winter we sweep the snow away nice and feed them corn. We never get any eggs in winter. Do you aim at egg production or raise them for market? We keep 'em for what we can get out of 'em. Do you take any poultry papers? No.

We, being great lovers of poultry, depart in disgust. Such cases are very common. At our last Farmers County Institute a poultry discussion was desired and only one or two were found that could handle the work. I say a great many are in the dark; they cling to the old ideas.

I have diagnosed the case, now here is the remedy. With little expense one can equip himself with enough literature to master the work. Get one or more of the many good poultry journals (The AMERICAN for one). There are many good courses offered by the different schools one can take through the mail. The Government bulletins can be had free. Associations can be formed in neighborhoods as well as the press. Classes can be organized and taught as music is taught. The lessons of centuries, past experience must be learned. The hen must be understood. She is universal; she is found in most every corner of the earth. The greatest features of the hen question are pleasure, profit and small investment. Many a young man's business facility lies undeveloped because he has no means at hand. Let us consider. Good eggs are one of the staple foods and always will be; palatable as well as the most nutritious food that can be had. There are millions of mouths to feed, the demand is great; it can't be overdone. It is safe to embark. "Look before you leap." Go slow. Get for a basis good stock—not one that has been poorly bred, stunted in growth, polluted with disease, and if you have the knowledge you are safely launched and ready for real experience. Well, says one, a good house will cost \$80 or more. Even if it does; say the house would last 40 years. It would be equivalent to rent at \$2 per year. The profits from one hen would almost pay that. I am a beginner and if this finds welcome in the columns of the A. J. will come again.

Topeka, Ind.

J. C. MILLER.

The "secrets for egg production consist in a good supply of grit, good health, plenty of exercise, pure food, green food, fresh water, cut clover hay and green cut bone, freedom from lice, regularity in feeding, cool houses in summer and warm ones in winter, and breeding only from the best laying stock."

Some turkey raisers find it more profitable to market the young toms in December, as they will usually fall in price after the holidays. They keep the hens until later, as they increase in weight and subsequently command a better price.

Experiments have proved that excessive feeding of middlings is apt to produce small-sized eggs. This, no doubt, is caused by the fact that middlings generally increases egg production.

It is a mistake to try to raise ducklings with a common hen. Hens make good duck incubators, but poor brooders; the ducklings cannot stand the violent exercise the hen would give them. They are too weak on their legs to keep up with the activity of the mother hen.

THE TURKEY.

Its Origin and Introduction Into Europe—Some Interesting Information Gathered from Everywhere.

Written by Rev. C. E. Petersen, Franklin, Me.

At what time the domestic fowl was first introduced into England is unknown, but there is a tradition in Cornwall that it was originally brought to that part of the coast by the Phenicians when they came to traffic for tin and copper with the natives, previous to the Roman invasion; and to this day, in some parts of the country, it is called the Persian lird, but why, this latter, does not appear; and further, it is especially noted by Cesar ("De Bello") that the cock, the goose and the hare were among, if not the whole of, the domestic animals of the ancient Britons, and kept by them for pleasure only before his invasion of the country, but that soon after their scruples in this direction disappeared.

However that may be, it is certain the Romans brought with them "the fighting cock," both to the south and the west of England; clear proof of which are the bones, nay, the very metal spurs used in their contests, that have been found both in Surrey and Cornwall.

One metal spur was dug up in Southwark, and a pair in an old Roman wall in the latter county, besides others that unfortunately were not preserved or sufficiently noted.

That these same ancients were not acquainted with the turkey goes far to settle the somewhat disputed question, whether the turkey is a native of this country or not, being now taken for granted by all naturalists and historians that the new world was its birthplace, and from there was introduced into the old world.

It is interesting to note the mention of these birds in the writings of the old historians, a few of which follow.

The first author in whom any mention is made of the turkey is Oviedo, who wrote about the year 1525. He has described them minutely with that curiosity and attention which new objects generally excite; and as he was acquainted with no name for these birds, till then unknown to the Europeans, he gave them that which he thought best suited to them. He calls them a kind of peacock, and he relates that even then, at this early date, on account of their utility, and the excellent taste of their flesh, they were not only reared and domesticated by the Europeans in New Spain, where they were first found, but that they were carried also to New Castile and to the West India Islands.

Lopez de Gomara, whose book was printed in 1553, makes use of gallopavo; and says that the fowl resembles in shape the peacock and the domestic cock; and that of all the fowls in New Spain its flesh is the most delicious.

In the year 1584 wild turkeys were found in Virginia, and Rene de Laudonniere found them on his landing in North America in 1564. Fernandez also reckons them among the birds of Mexico; and takes notice of the difference between those that were wild and those which had been tamed. Pedro de Cieza saw them on the isthmus of Darien, and Dampier in Yucatan; beside the testimony of many other travelers, which is hardly worth while noting, shows the early date of its domestication.

An account by Smyth deserves notice; he visited Pennsylvania in 1784, and says:

"The wild turkeys run about here in the woods. Their wildness excepted, they are in nothing different from ours, but in being generally larger, and in having redder flesh, which is, however, superior in taste. When anyone finds their eggs in the woods and places them under a tame hen to be hatched, the young, for the most part, become tame also; but when they grow up they make their escape. On this account people cut their wings before they are a year old. These wild turkeys when tamed, are much more mischievous than those from domesticated birds."

Smyth assures us that wild turkeys are so abundant in the uncultivated country back of Virginia and the southern provinces that they may be found in flocks of more than 5,000.

The earliest account of them in Italy is contained in an ordinance issued by the magistrates of Venice, in 1557, for repressing luxury, and in which those tables at which they were allowed are particularized. About the year 1570 Bartolomeo Scappi, cook to Pope Pius V, gave in his book on cookery several receipts for dressing these expensive and much esteemed fowls.

That they were scarce at this period appears from its being remarked that the first turkeys brought to Bologna

were some that had been given as a present to the family of Buonocompagni, from which Gregory XII, who at that time filled the papal chair, was descended.

That these fowls were not known in England in the beginning of the sixteenth century, is very probable; as they are not mentioned in the particular description of a grand entertainment given by Archbishop Nevil; nor in the regulations made by Henry VIII, respecting his household, in which all fowls used in the royal kitchen are named.

They were, however, introduced into that country about the above period; some say in the year 1524; others in 1530; and some in 1532.

We know, at any rate, they were served up at a great banquet in 1555; and about 1585 they were commonly reckoned among the number of delicate dishes, and we have the following from "Tussers Five Hundred Points of Husbandry," published at that date:

Beefe, mutton and porke, shred pies of the best,
Pig, veale, goose and capon and turkey well dressed;
Cheese, apples and nuts, jolie carols to heare,
As then in the countrie, is counted good cheare.



H. N. Hanchett's Buff Cochon cock "Wonder," showing the possibilities of the Buff Cochon when bred along scientific lines. Pronounced by experts to be one of the best Buff Cochon males in the country.

There was another edition of Tusser published in 1557, but no mention is made there of the turkey, so it is positively sure that some time between these two dates the turkey was introduced into England from the colonies.

According to the account of some writers, turkeys must have been known much earlier in France; but on strict examination no proof of this can be found. The earliest period assigned for their introduction into that country is given by Beguillet, who confidently asserts that they were brought to Dijon under the reign of Phillip the Bold, about the year 1385.

Had this French author quoted his authority, we might have discovered what gave rise to his mistake; but as he does not, one cannot but help to think that the whole account is a fiction of his own which was not a very strange proceeding in those times.

De la Mar also is in error when he relates that the first turkeys in France were those which Jaques Caur, the well known treasurer to Charles VII, brought with him from the Levant, and kept on his estates in Gatinois, after he had received the king's permission to return to the kingdom.

This Caur, however, who was banished in 1450, never returned, but died in the island of Chio in the year 1456.

Equally false is the account given by Bouche in his "History of Provence," that Rene, or Renatus, King of Naples and Duke of Anjou, first brought turkeys into the kingdom.

and reared them in abundance at Rosset. This author gives as his authority the oral tradition which certainly cannot be put in competition with testimony of a more authentic nature.

Another Bouche, who wrote later (1785), a "History of Provence," and who has collected many things that do honor to Renatus, makes no mention of this service, though he could not be ignorant of what had been before related by his namesake.

Had these fowls been known so early as the time of that monarch, who died in 1480, it is impossible that they could have been so scarce in France as they really were about a hundred years after. The assertion often repeated, but never proved, that they were first brought to France by Phillip the Chabot admiral under Francis I, is much more probable.

Chabot died in 1543; and what Scaliger says, that in 1540 some turkeys were still remaining in France, may be considered as alluding to the above circumstance.

This much, however, is certain, that Gyllius, who died in 1555, gave the first scientific description of them, which had been given shortly before his death, and which were made use of by both Gesner and Aldrovandus in their works on Ornithology. The same year the first figure of them was published by Bellon.

About the same time they were described also by La Bruyere-Champier, who expressly remarks that they had a few years before been brought to France from the Indian islands discovered by the Portuguese and the Spaniards.

How, then, could Barrington assert that this Frenchman meant the East and not the West Indies? They must, however, have been a long time scarce in France; for, in the year 1566, when Charles IX passed through Amiens, the magistrates did not disdain to send him, among other presents, twelve turkeys. This information seems to agree with the account often quoted, that the first turkeys were served up, as a great rarity, at the wedding dinner of that monarch in the year 1570; but it seems the breed of these fowls was not very common under Charles IX, for they are not named in the ordinances of 1563 and 1567, in which all other fowls are mentioned.

In the year 1603 Henry IV caused higglers to be punished who carried away turkeys from the country villages without paying for them, under the pretense that they were for the use of the queen.

As these American fowls must have been carried to Germany through other lands, we cannot expect to find them in that country at an earlier period.

Gesner, who published his work in 1555 on Ornithology, seems not to have seen them.

We are, however, assured by several authors, such as B. Heresback Colerus and others, that turkeys were brought to Germany so early as 1530; and at the same year carried to Bohemia and Selesia.

Respecting the northern countries, by the authority of Pontoppidan, they had been in Denmark 200 years before his time (1698).

As these fowls are found at present in Asia and Africa, it may be worth while briefly to mention that as much proof can be given that they were not known there until introduced by the Europeans.

And here we will close our article dealing with the great American fowl, that is the fowl par excellence for a Thanksgiving dinner, and for that matter any other dinner, where it may be served.

THE FUTURE OF THE BUFF COCHIN.

The Buff Cochin has had an honored past. As the long-legged shanghai it fairly stalked over this land, awakening enthusiastic admiration wherever it was seen and begetting an interest in poultry that has continued to the present day, it may be regarded as the pioneer of the poultry industry, coming with such a striking appearance, sonorous voice, and lordly bearing as to command and hold the attention of all. Had it not been for the interest which it aroused, and the inspiration which it gave, many of the modern varieties that are now so widely advertised would have continued to crow in the yard of the common dunghill, and never reached the ear of the public.

Since its introduction the Buff Cochin has been greatly improved. In the hands of judicious breeders it has been reduced in height, increased in width, and made a thing of beauty and symmetry far outrivaling anything to be seen in poultrydom, and yet the possibilities of Cochin improvement are only in their initial stages. In all the range of poultry culture or general stock raising there is no field of experi-

mental effort so fascinating as that of Cochin development. Taking into consideration shape, feathering and color there is abundant scope for the exercise of good judgment, keen discrimination, and wise balancing of points so as to evolve in the near future a type of fowl still more artistic and utilitarian. What is now needed more than anything else in my judgment is a grand rally of all Buff Cochin breeders to discuss the ideal Cochin, and the new Standard in its relation to that ideal, and in the presence of live specimens. Letter press description in the Standard or elsewhere is very good when nothing better can be obtained, but the most beneficial and effective way of dealing with this subject is to get together a large number of interested and experienced breeders in a well lighted room with a table or coop in the center on which can be placed one or more Cochins to be carefully handled, examined, criticized and compared with the Standard description of the ideal Cochin. Some points may be emphasized as essential, others as desirable, but not so essential in the development of the coming Cochin, and thus an object lesson given to the whole army of breeders that will tend to unite and focalize their energies in certain well understood and approved directions. Working separately and working without consultation and discussion we are likely to be working at hap-hazard, and perhaps toward almost different results. Is it not time to change this course of procedure and call together a representative body of Buff Cochin breeders to discuss in the most friendly and yet searching manner the defects of present day Cochins and try to harmonize and perfect their conceptions and ideals of what a perfect Cochin should be? I for one would consider it a great privilege to be present at such a meeting and to contribute my humble quota to its success. At the World's Fair in St. Louis a few stalwarts met and organized the American Buff Cochin Club. There was no time then for prolonged and satisfactory interchange of opinions, and it was thought that at the next winter show in Chicago a general meeting could be called, and ample time taken for discussion. Unfortunately this meeting was called at too late an hour, very few attended, and nothing was accomplished that was of material advantage. The time of the next Chicago show is fast approaching and if anything truly worthy is to be accomplished, anything that will fittingly represent the great body of Cochin breeders, then no time should be lost in announcing a meeting of the club and bringing its important objects before the public.

Perhaps the chief good to be gained from such a meeting will be a more definite and harmonious conception of what we should strive for in the future improvement of the Cochin and a more widespread dissemination of that knowledge. When a man wishes to build a fine house he secures an architect, and obtains from him a working model or plan on which he can proceed. There is no difficulty in understanding such a plan, or in making a duplicate of it and sending it to and fro in the country to multiply the number of similar houses; but in the case of any living thing no such plan can be formed and no written description however full and exact can accurately set forth anything that may be safely followed as a plan apart from practical lessons and explanations obtained by handling the fowls themselves. This is in harmony with modern ideas of education. If it is to be good for anything it must be gained in the working laboratory rather than in the study. No doubt every skillful breeder has an ideal toward which he is striving, and by a process of intuition he may be able often to tell at a glance which of his birds most nearly conforms to his ideal; but then his ideal is the outgrowth of a limited knowledge of birds, perhaps of his own birds only. He may never have had an opportunity of carefully handling another breeder's birds, and finding out how they are related to his ideal, or to the other breeder's ideal, and thereby securing fresh data for correcting and improving his own ideal. As a rule at the large shows no knowledge is gained except what may be incidentally gleaned through the wires of a coop. What I would like to see at the next meeting of the American Buff Cochin Club is the largest and best display of Buff Cochins ever seen in this country, and the largest and most influential gathering of breeders ever brought together all intent upon giving and receiving suggestions, and willing to allow any and every fowl in their exhibits to be brought before the meeting for illustration of any excellence or defect that may be under discussion. I would like to see also such expert Cochin judges as Messrs. Butterfield, McGrew, Hewes, Nichols, Berar, Tucker, Rankin, &c., in attendance, not as idle spectators, but as teachers and learners, that they may more correctly voice the sentiments of the meeting in the future placing of their awards. If any of us have any pet notions as to feathering, shape, or color, let us by all means bring them to the test of free and enlightened discussion that their real value may be more correctly estimated. I shall be pleased to hear from many others as to this matter.

J. J. HARE.

Holmhurst Poultry Yards, Whitby, Ont., Can.

POULTRY ADVERTISING.

Continued from September Number.

The returns that should be secured from a given amount of advertising is an important matter, but it is impossible to make an accurate estimate as to the results that should be secured. Too many things must enter into the calculation. The returns are not so large at first as they will be, naturally, after your name and stock are better known. Some papers bring better results than others. A great deal will also depend on what you say in your advertisement, and upon its appearance. Something will depend also upon the variety you offer for sale. One cannot expect to do a large business with a rare variety, unless his specimens are of very unusual excellence, and he has been before the public for a long time. All of these things are of the very essence of advertising, and they will determine largely, the results obtained so that it is utterly impossible to say what returns any definite amount of money expended should bring in actual sales. Remember always that the indirect results may and usually do, largely outweigh those that can be traced directly. Comparatively few will write stating the paper in which your advertisement was seen. It may have been seen in a half a dozen papers by the same person, and this brings up the old question whether it is wise to advertise in papers that cover largely the same field, and go to the same persons.

It is usually the opinion of the professional advertising men that duplicate circulation is an advantage rather than otherwise. The result of seeing your ad in a half dozen papers is much the same as seeing it in the same paper month after month. You have seen "Take Hood's," on barns and fences about every minute for hours at a stretch in riding on some railroads. You cannot forget it. This is the best sort of advertising. I would like to have my ad stare a man in the face in a dozen papers. Royal Baking Powder is advertised on every step at every station on the Elevated Railroads of New York City. This is a Duplicate Circulation with a vengeance. The "Royal" people know a thing or two about advertising.

The expense question is, of course, one that must never be lost sight of. It costs money to advertise, but as a business man, you should spend your money to the best advantage. It is, of course, difficult to give advice to any man as to the amount of money he shall spend, but there are some principles that should not be lost sight of. The primary consideration should be, not the amount spent, but the results secured.

I heard a man say recently regarding a certain advertising project "I don't care what it costs, if you can show me results." Do not imagine for a moment that you are saving money when you get space cheap in a poultry paper. The cheapest advertising is that which gives you the largest results for your money. Advertising rates are usually based on circulation. Two-thirds of a cent a line per thousand circulation is a fair rate in a poultry paper. If you pay ten cents a line, or \$1.40 per inch, for space in a paper that has 5,000 circulation, you are paying more than you do when you pay 20 cents per line, or \$2.80 an inch for space in a paper that has a circulation of 30,000. The first paper has a very high advertising rate, the second is comparatively low.

Advertising is a cheap way of letting the people know what you have to sell. While no proportion can be laid down, let us say that a man spends \$50 a year for advertising, and that as a result, when his reputation is fairly established, he sells eggs and birds to the amount of \$250. This man has been fairly successful, and should make a good profit on his sales. Let us suppose that he increases his advertising expense to \$100 and that his sales are \$500. In this case the proportion is the same, but his profits should be larger, and his advertising should be considered cheaper comparatively. Many of the leading breeders do better than this. One shrewd advertiser spends about \$750 in advertising, and his returns are about \$7,500. He started on a small scale and there is no good reason why others with the same ability who will exhibit and advertise as this man has done should not get the same results. His success is not a matter of luck. Your advertising must have variety. The ad should be changed frequently. An old ad, like old shop worn goods, discourages buying. One gets tired of seeing the same advertisement year after year. It indicates lack of enterprise and the inference is readily made that the advertiser is a "has been." The advertising should be reasonable. Advertise at each particular season what you have to offer at that time, be specific. Be careful, also, to advertise only what you can sell. It will hurt you if you get many orders from your advertisements that you cannot fill.

Another form of advertising is by means of a catalogue or circular. This cannot take the place of advertising in good journals, but often supplements such advertising to good ad-

vantage. The catalogue or circular is the most aristocratic form of advertising. The catalogue whether large or small, must be as attractive in appearance as the printer's art can make it. Its size must depend upon the extent of business you are prepared to do, and should contain good solid information regarding your birds. It will add to its attractiveness if illustrated with good pictures. This catalogue is to be used in answer to inquiries regarding your stock and it is also a good plan, if the quality of your stock warrants it, to send a copy of your catalogue to every breeder of your variety whose name you can secure, but your advertising is not done when you have used the papers and a form of advertising and it is just here that many poultry men fail. Great skill is required in handling your correspondence. It is frequently done very carelessly by those not acquainted with business methods. No rules of course can be laid down that will be applicable to all cases. Each letter requires individual treatment. One must use his best judgment as to the quality of stock the inquirer wishes to purchase. You cannot always know what the correspondent wishes. The man who wishes to pay only a dollar or two, often describes a fifty dollar bird, or quotes the standard description of a perfect bird to you, almost entire. You will of course make mistakes in this matter, but there is no help for it. One will learn from experience how to answer letters appropriately. It is very important that every letter be answered. Postal card inquiries may result in a good sale, and may secure the writer as a good customer, and through him other customers. The present writer sold a \$25 cockerel to a man to whom he had no idea he would make a sale.

Of course every letter should be answered courteously. You must show a personal interest in your customers. Make them your friends. It is the man who sends money to you year after year who will help build up a solid business for you. And this man you must please every time, and you must always be perfectly candid with him. The poultryman usually thinks his work is done when he answers a letter of inquiry that he has received. If the inquirer is not heard from again, the matter is dropped and too often the paper in which he has advertised is blamed for not making sales. But this is very unjust. It is not the paper that should be expected to make the sale. You must make it. The paper should only be expected to introduce you to the prospective customers. No paper can do more than that. One letter in response to an inquiry is not sufficient, if the inquirer is not heard from. It is usually best to write even a third time, each letter should be courteous and yet strong and to the point. There must be no note of complaint. This plan of writing two or three letters is called the "follow up" system of correspondence, and is in almost universal use by business firms. Your advertising and your letters take the place of a salesman, and he would be a poor salesman who should in every case give up at the first attempt.

It will be thought by some that quite an elaborate programme of advertising has been outlined in this article. This may be true. The idea of the writer has been to outline a plan to make the advertising effective and not to give a plan of making it as cheap as possible. It does, of course, cost money to advertise chickens effectively as it does to advertise everything else.

This is a very large subject and has been treated very inadequately in this paper, but the writer is confident that the plan here given if followed persistently will bring success eventually.

St. Paul, Minn.

E. W. RANKIN.

That most anyone can keep a few fowls for pleasure and a possible profit is all true, but there is quite a difference in the keeping of a few fowls and the keeping of a few thousand, and inevitable failure will come to the person who makes the attempt without previous knowledge and practical instruction.

The minister, the lawyer, the doctor, the artist, the scientist, the mechanic, all have to serve years of time in preparation for their chosen vocation and why anyone should think they can succeed in the poultry business without such preparation is a mystery.

There is nothing saved by buying cheap grain, by which we mean screenings or damaged grain. It requires more to produce results and, in fact, cannot produce as good results as good grain, regardless of the quantity fed to the fowls.

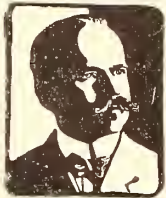
A ridge or knoll where natural drainage can be had is preferable to any other when selecting a site for the poultry house, as dampness and filth are the causes, directly or indirectly, of nearly all poultry diseases.

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Look at the date upon your wrapper. Many subscribers write to ask when their subscription expires and many complain because we discontinue sending the JOURNAL at the expiration of the time for which it is paid. The date when your subscription expires is found on the wrapper each month.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide circulation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Advertising rates are sent upon request.

40,000 A. P. J.'s for October, 1905.

State of Illinois, County of Cook, ss.
Chicago, Sept. 22, 1905.
J. L. Regan, president of Regan Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding forty thousand copies of the October, 1905, issue.

J. L. REGAN.

Subscribed and sworn to before me this 24th day of August, 1905.

BLANCHE ELDER EDDY,
Notary Public.

GUARANTEED SUBSCRIBERS.

To our subscribers the display advertisers of the American Poultry Journal are guaranteed; that is, if any advertiser using display space in these columns is proved to be a swindler, the American Poultry Journal will make good to the subscriber the amount lost. We do not guarantee that men in good standing shall agree in their opinions; we do not guarantee nature against infertile eggs, but we do agree that in case a downright swindler succeeds in swindling a subscriber, we will reimburse that subscriber and publish the rascality of the swindler. We ask, in consideration of this guarantee, that our subscribers, when writing to an American Poultry Journal advertiser, say, in every case, "Saw your ad in the American Poultry Journal." In no case will this be to your disadvantage, while in many cases it may serve you well. In either event we shall be obliged to you.

Central West Conditions.

The state fairs in the West have brought out a greater array of good birds than ever before. They are being bred and fitted in the sections round about where the fairs are held. From the most remote corners of the state the choicest have been sent to the fairs and they have won, as a rule, in every class entered. Beginning at Sedalia with the Missouri state fair the circuit of this state, Iowa, Nebraska, Kansas and Colorado has been completed and wherever the professional huckster showed against the specialty breeder the latter has worsted the former much to the huckster's sorrow and money loss. A new building at the Missouri fair has been given over to poultry. It is steel framed and of brick. The cooping is excellent and new, and the double-deck- ing is well arranged. More early birds

have been exhibited at the fairs this year than ever before and all fanciers who are making more or less of a business of breeding fowls report excellent prospects for the coming year's business. The wheelhorses of southern Missouri were present at their fair but not enough of the rank and file presented themselves. Nearly 3,000 birds passed before the judge at Sedalia—speaking well for the fancy's condition in Missouri.

At the Iowa state, the fanciers did themselves proud by bringing out the best line of birds ever exhibited. The judge's work was quite hard but accomplished in a reasonable length of time. The hucksters were again worsted and Iowa's breeders, bringing out better fowls yearly, may soon discourage the rounders. Iowa's management should locate the poultry in a permanent building. Many could not find the display without tedious searching. Nebraska fair directors put up a large, new building for the poultry fanciers. They showed their appreciation by more than filling it with grandly fitted young and old birds that brought out many praises. The old poultry building was overflowing with incubators and appliance displays. Besides these many private buildings for poultry appliance concerns were occupied about the main exhibition. Kansas made a better exhibit than previously and the same is reported from Pueblo. All these indications point to a big business for poultry men who try to and do reach the western and central west farmers and poultry growers. The business is sure to gain a strong footing in these sections and it is our aim to place this journal where it will be in touch with those most interested.

The Turning Point.

The coming season will be the turning point in many a fancier's career. It may be in the sales of stock, the winnings at the winter exhibitions or along other lines directly connected with the fancy. When a fancier sells stock he should remember the first need of the buyer. Purchasers always want something better than the birds in their own yards. This is the rule, and the opposite instances only prove it. The breeder who buys good foundation stock, carefully mates it, produces good birds yearly, keeps abreast of the demand and styles, and who proves their worth in competition, knows that buyers want something more up-to-date, rather down-to-the-minute, than their own production. The amateur fancier should ever keep this in mind as he sells the surplus. This is the ideal, most certainly, but who advance more sure than those of ideals? The amateur's or any fancier's reputation is built up or torn down by the birds he sends from his yards. This season may be his first at selling a few birds by mail order and it may prove a turning point for him. Making a creditable exhibition is another pivotal thing. If one is afraid to show his birds to be in hearty competition with men, he had best stay out of the fancy's ranks! Where there is the most competition, the greatest rewards come when arrived at. Do not, never, pray to be a good loser; pray only to win—and work more than pray! Many a small fancier has lost because he made a poor showing. The quality of their birds was excellent but they lost owing to poor fitting. Dirty cooping, unclean birds,—these are the

companions to half-heartedness. Put work and your whole heart into the fancy and receive a just reward! Too many of us in every vocation are only half in earnest and we get back just what we give.

Enter the Illustrated Standard.

The enterprising fancier now has his new Standard of Perfection and is doubtless pleased with the general make up and individual breed or variety description in which he is interested. There is no doubt that this work is ten points ahead of anything ever given to the American fancier by the American Poultry Association. We waited long and patiently—in fact many of us suffered—and now the completed work more than pays for our fears. It is a monument to the work of the late revision committee and the artists—Sewell, Graham, Shilling, Burgess. The glossary of technical terms is so much better in wording and the sketches accompanying are so explicit that there is no comparison between it and anything the past has given us. The illustrations are all that could be desired by breeders and fanciers. It is certain that the new work will be of greater help in mating and breeding, judging and scoring than all previous Standards. The cause and quality of pure-bred fowls should advance faster in the next few years than in the past twenty. Harmony of ideas will also be smoother among breeders. A guide we now have where previously we were groping in semi-darkness. We can afford to be proud of it.

Earlier Shows and More of Them

The large number of fall fairs, both early and late, again brings to our attention the idea of summer shows. Especially is this so when the quantity of birds and their plumage improves as it does annually. Live fanciers are doing all in their power to get the full value out of fair exhibiting and advertising. They understand that it pays in these days of great agricultural prosperity, to reach the farmers who are interested in poultry. The winter shows do not bring out the farmers as they should. We see cockerels and pullets in exhibition coops in August that are up to weight and in elegant plumage. At dozens of fairs we see the old birds in beautiful plumage obtained by early molting. There is no reason why poultry shows should not be held from September to February. The recent trials of hatching August and September chicks for fall fair showing, these trials being conducted in certain fanciers' yards, prove that big "chicks" (those under one year), can be raised by this method. Of course, such chicks could not have been used to breed from till their second spring as their use during the first would ruin plumage for showing in August and September. They could be bred from in September if showed in August—this for chicks that would be used for another year's showing. The time is coming when by September the big displays will be on. Many of us shall live to see it!

White Rhode Island Reds, or Rhode Island Whites, will soon sail into view if we are to believe the rumors lately set afloat. We hope they'll stir up no A. P. A. doin's and that they are as meritorious as the Reds.

Pay and Knowledge.

As a rule poultry judges are paid according to their ability. In this country many demand and easily receive from fifty to seventy-five dollars for their services at one show. When the best judges earn big fees, the guide-boards standing along the paths of the younger generation of poultry judges point to integrity, sincerity and a thorough knowledge of the work, if large remunerations are desired. Some time ago a judges' association was suggested, but, thank gracious, it fell through. The judge who stands alone, and who has the courage of his convictions is the best judge. If he be strong enough to do this, his knowledge of the requirements of any breed under consideration need not be questioned. He is the stamp of man who will keep abreast of the procession! Mr. R. E. Porter, writing in Poultry, says that English judges sometimes take thirty classes and get but two guineas for their work. He advises us that a judges' protective association may be formed to keep up the fees! We would say that one is necessary if but two guineas (about ten dollars), is a judge's fee. We have one judge who will not enter a duster at less than seventy-five dollars—and he's a grand judge, too! Many others who only pass on a few classes during the winter get a hundred dollars for officiating at a show. Our judges are paid according to their skill—this makes the younger ones studious. Good judges will always get good pay for services in America.

Another Successful Woman.

A Mrs. Wilkinson, who is one of the best known English women fanciers, recently made the following sales: Orpingtons, a trio of buffs, \$600; four pullets, \$400; two pullets, \$250; one pullet, \$150; cockerel and pullet, \$250; trio at \$175; two black pullets, \$200; a pen, \$175; a cock, \$50; and a trio of whites at \$250. Plymouth Rocks: a pair of barred, \$250; cockerel, \$150; pullet, \$100; pullet, \$75; pen of buffs, \$125; cockerel, \$50. She has sold several others at smaller prices but they are too numerous to mention. This woman is nearly the Mrs. Basely of her island. She has worked hard and long at the establishment of her farm and name as a fancier and breeder. Her successes are worth noting, hence we chronicle them.

Paying Debts.

Something that struck us very favorably is the interest taken of late in the fraudulent associations which have refused to pay the premium money won by the various exhibitors. When a fancier takes his best birds to a show he should have some assurance that he is going to get the money he wins. There are a few shows which fall far short of this every year and yet they have the bump of colossal nerve that lets them go on holding

shows each year on their promise to pay their premiums in full. There is no getting around the fact that these show associations should be exposed and some of them are by the exhibitors who have shown with them. But exhibitors can do no more than pass among themselves the facts of the case; the public is the proper critic for cases of this kind and sooner or later the rank and file of all poultrydom will demand that fraudulent associations be exposed. When honest shows cannot be held and all of the premium moneys paid in full then it is high time to call the attention of the public to the erring ones. It is not for the best interests of the fancy to shield associations that cannot (?) pay their justly contracted debts. When a case of the moneys received by an association not paying the judge and the premiums too, then the honest association goes down deep in its own pocket and produces the cash that is needed.

Our New Theory.

The theory that grit is eaten by the old hen for the growing of her plumage is getting the full share of knocks that come to new ideas of all kinds. It may be that the poultryman is a very thick headed fellow, though we have never found him so, and cannot swallow the idea. The press of the country is inclined to think that the originator of the theory is just trying to see how credulous the fancier is. We can but add to the multitude of paragraphs on the subject that while some are busy trying to find the truth in the theory the wise fancier is studying the laws of breeding and remembers that the greatest success in raising chickens is in the close application of that somewhat scarce article called common sense.

Chinese Fowl History.

Editor AMERICAN POULTRY JOURNAL:

I have read with much pleasure Mr. Riggs' articles on "The origin and history of the breeds," and can assure you that what he writes about Dr. Brown is true. Dr. Brown was a son of Deacon J. Brown, deacon of the Congregational church at Manson, Mass. His mother was Phoebe Brown, who wrote the popular devotional hymn, "I love to steal a while away from every cumbering care." I was present when Dr. Brown returned to Monson, and I saw and knew of his poultry. China was then not open to the world as far as her ports were concerned, and only by special favor was the permission given to Dr. Brown to bring over to this country the poultry he did. He got the best and largest he could secure. I have seen many a fowl from his coops stand beside a flour barrel and eat with ease from the top. The complete history of the Chinese fowls should be preserved, and as there are many now living who were next door neighbors to Dr. Brown and his son—now a doctor in Monson, further facts could be easily secured.

WM. CAHOONE GREEN.

Some of the Foremost Poultry Judges in America Have Pronounced my Catalogue of

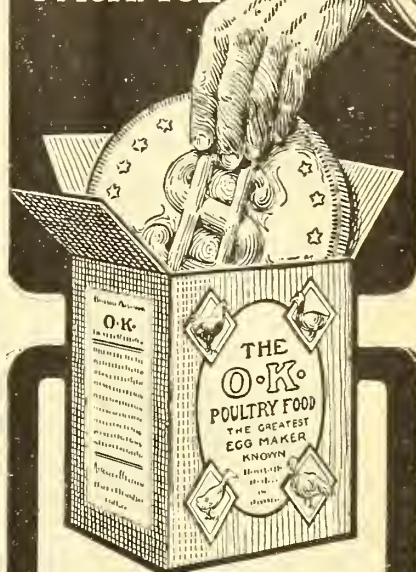
AMERICA'S "BIG FOUR"

The neatest, most complete and business-like gotten up catalogue they have ever received. I use trap nests exclusively and know the ancestry as well as the unprofitable layers. Will send catalogue free to all who mention American Poultry Journal.

H. P. RANKIN

Box 61, Hartington, Neb.

PROFIT IN EVERY PACKAGE



O. K.

MAKES POULTRY PAY

O. K. Poultry Food is the greatest egg-maker known. It keeps fowls healthy and active, and by invigorating the system puts it in shape for increased egg-production. It is a pure, guaranteed conditioner—in other words it furnishes the elements needed to put the physical and egg-making organism in perfect condition. The digestive organs are assisted, the vitality increased and your hens look better, feel better, grow better, and lay better. Instead of scrawny specimens, which are too weak and worried to lay, or overfed fowls, which are too fat and lazy to do so, you may just as well have a fine flock of feathered beauties piling up profits in the shape of eggs and meat. Why not begin feeding

O. K. POULTRY FOOD

and make your poultry pay? O. K. Poultry Food cures Gapes, Roup, Cholera, Indigestion, Leg Weakness, Diarrhea and all kindred diseases—promotes growth and development in young fowls. We prove our claims by the experience of our customers. Witness the following:

Blue Island, Ill., Jan. 16, 1905.

The O. K. Stock Food Co.,
Monon Bldg., Chicago.

Gentlemen:—I take pleasure in saying that I have used your O. K. Poultry Food for three seasons and after having had experience with several other makes, have decided that your brand is superior to anything else offered in this market, and have for the last two years used it exclusively. I am very well pleased with the results obtained as my fowls are in the "pink" of condition and certainly produce eggs in larger quantity than when I undertook to do without any food of this character.

You are welcome to use my name and endorsement at all times.

Yours very truly,

[Signed] J. CUNNINGHAM.

Breeder of Rhode Island Reds.

Write for booklet. Sent free.

O. K. Stock Food Co., 408 Monon Bldg., Chicago

IMPROVEMENTS IN ADVERTISING.

Now since the poultry press shows a heavy disposition to sit down on and squeeze the little squealing free reading notices out of existence, we can expect improvements in advertising methods.

If the farm journals would reduce their field notes to an acre or two instead of a quarter section, then advertising would be getting down to a known quantity. The advertiser at a distance would get the same treatment that is accorded the man whom the field man visits. This is my opinion, yet I may be off in it.

Of course the field man says, Shut up, Johnson, this is not your funeral, and he is right, too, but I reserve the same right for myself that these boys assume

for their paper, simply the right to speak up in meetin'.

However, I am not here to scrap. What I want to tell in this article is things that might help advertisers and readers of advertisements alike, admitting my incompetency to advise, no doubt the editor will be lenient towards my opinions.

My opinion is that in these days while the advertising expert is figuring out the public, the public has a lot of pencils at work on said expert. Admitting that advertising is an expert profession, we would make a great mistake if we did not reckon with the other side of the question. As long as the advertisers of gold bricks, wooden nutmegs and blue sky make a living, it is reasonable to assume that some people are still vot-

ing for George Washington and General Jackson, but just the same in these days of telephones, rural mails, daily papers and quick communications, the readers of advertising are students of advertising.

Not referring to the right or wrong of it, the mails and mail order houses are making dull times for the once flourishing local merchant. Whether right or wrong the tendency of the times is to stay at home and buy. Even our agricultural and other schools are teaching it, not directly perhaps, but indirectly through teaching the students how to be independent, how to write business letters and do business through the mails.

Regardless of our sympathy for local dealers we must admit that mail order buying carries a charm, or perhaps expectant excitement would be a better name for it and it gets every one of us to some extent.

Yes, it's true that mail order competition is getting to be a big battle, every line seems to be crowded, but we must take courage through counting the growing, disposition to order by mail. Take the poultry papers for instance; seemingly everybody wants to sell fowls or eggs, overdone apparently, and in some instances those predicting its being overdone are anxiously awaiting the arrival of some nice birds or eggs by express.

We see the breeders, who advertise, arrayed, their numbers look big, but we fail to rightly estimate the buyers; if we did estimate them we would likely put the figures entirely too low.

There is all kinds of room to advertise fine poultry, and while I think of it, let me mention not to snub the breeders' cards if you are hunting fine poultry or eggs. I know whereof I speak. I have tried it, and if I was hunting 10,000 head or fine poultry, or 50,000 eggs the breeders' card chaps and I would get acquainted better than ever.

Good chickens? Yes, sir, their birds are all right, the smallness of their ad being solely their timidity in advertising, little by little they grow confidence and finally become some of the big shippers. I take it that the size of the ad more closely represents the size of the business than anything else, and the ability to fill large orders.

With my faith in advertising after years of experience in advertising, I would say let your light shine if you have the goods. A light under a bushel is too dim to be seen, even though you have only a few head of fine poultry, advertise. No doubt the few head have cost you a good price, then why are not you entitled to a good price?

But I must desist along this line as some might assume that I am going to turn advertising solicitor, such an assumption would be a mistake. I have no advertising space to sell. I simply want to give a tip, or rather to express my faith in advertising.

M. M. JOHNSON.

Clay Center, Neb.

MATING OF WILD GEESE.

Exmoor Farms has a flock of wild geese which never mated. This spring a wild-goose came down from a flock flying overhead and mated with one of our ganders and hatched four young. The old goose became so tame that we were able to clip her wing. We have had wild ducks do this often but never geese. Exmoor Farms, Lebanon, Pa.

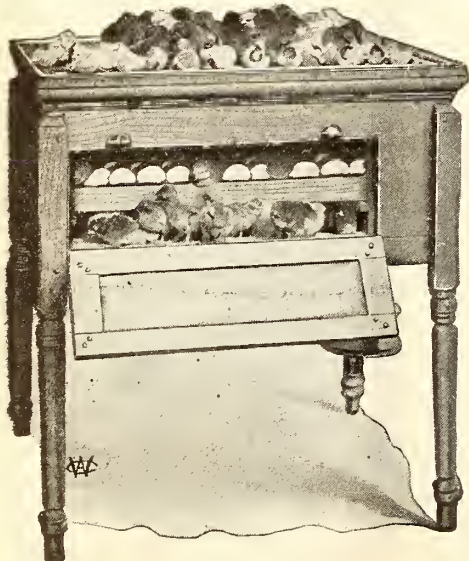
Another New Addition To The Prairie State Line

THE PRAIRIE STATE Jr. A LOW PRICED STATE GOOD INCUBATOR

We have made so many new additions to the Prairie State line recently that we are compelled to announce a new one every month. In the August papers we called attention to our *New Colony House Brooders* which have been wonderfully successful; in September our *New Universal Hover* created a sensation. It has been a "taker" with poultry people everywhere; this month we present for the first time our *pet*, The Prairie State "Junior" Incubator.

For years we have been besieged with requests for a Prairie State Incubator at a low price, but not until this summer have we felt that we had so perfected the "Junior" that we could put it out and stand square back of it in every way. We have now reached that point, and offer the "Junior" as the perfected product of years of experimenting coupled with a ripe knowledge of the requirements of such a machine.

The beginner, who never hatched a brood of chicks with an incubator, will find the "Junior" just the machine to buy. The "old hand," who needs more machines, can do no better for the price anywhere.



If your boy and girl want to raise chickens, encourage them and help them by giving them a "Junior." Don't waste money experimenting with cheap machines that have no reputation back of them. Don't discourage the boys and girls with a machine that will be more bother than it's worth—with results that will disappoint and soon kill their enthusiasm.

The name *Prairie State* stands for the best there is—we've been twenty-five years building up this reputation and we're not going to begin tearing it down now. We honestly believe that the "Junior" will extend our fame still farther—because it meets a need—it makes it possible for thousands of people, with limited means, to enter a pleasant, profitable business, who could not afford it before, and it will help them to make their venture successful.

The "Junior" has many improved features not found in any other low priced incubator. The heat is under automatic control. The moisture is supplied automatically by diffusion. Same amount of air moisture saturation is maintained inside the machine as outside by a diffusion diaphragm. Ventilation may be supplied by diffusion or a direct current of fresh, warm air that is forced through the machine, and is always under control, the flow being constant and not influenced by the action of the regulator. The large, roomy egg chamber gives the "Junior" a greater capacity for the price than any other incubator.

The "Junior" is made in two sizes, No. 1 for 60 eggs, and No. 2 for 100 eggs. We know you will be interested in a full, detailed description of these machines, and suggest that you write for free "Jr." catalog which will convince you that we have accomplished what we have been aiming at, the best low priced hatching machine ever built. Write for catalog today, ask also for New Brooder catalog.

PRAIRIE STATE INCUBATOR CO.
468 Main Street, Homer City, Pa.

WHAT TWO BOYS HAVE ACCOMPLISHED IN THE CHICKEN BUSINESS.

In the summer of 1902 we organized a chicken company, with Torrance Welch, aged 11, president and treasurer, and Brian Welch, aged 9, vice-president and secretary. We started with one old hen, which we bought from Mr. McDonald, and about a dozen hens which we got from Mr. Martin. We got an old dry goods box and bought some wire and made a chicken coop, but the rats got a lot of the little ones, so as winter came on we made a shed, which in January our father replaced with a good structure which had two stories and was divided in the middle and had a place for pigeons, which we have not got yet, but hope to get some day. In July, 1902, we bought some ducks, which got to be quite big, but I regret to say that they got into the fountain and were drowned one cold day. As we have not got the account for 1903 we can not say anything about it. The net profit for 1904 was \$53.43, the largest month being August, as we took in \$7.24. In 1904 we had 4,343 eggs, or 362 dozen eggs in 366 days, with about 35 hens, which we consider quite good. In February, 1905, we set an incubator with 100 eggs and got two chicks, one of which died, but the other one is now laying. We set 15 hens from March 27 to June 21, all of which hatched 128 chicks, which would be an average of 9 chickens to a hen. We also bought 21 chicks for \$2. In 1904 we took the AMERICAN POULTRY JOURNAL for 50 cents a year. In 1905 we continued the subscription. In 1905 for the first six months we cleared \$31.15, March being the largest month, as we cleared \$10.06. For the first six months in 1905 we had 3,889 eggs or 324 dozen eggs in 181 days, with about 50 chickens, April being the largest month, as we got 993 eggs. We would have got to the thousand mark, but we sold 13 hens about the 26th of the month. Our chicken feed cost us an average of \$4 a month. In the winter of 1904-05 we had about 50 chicks, but as we sold some and killed some, we have about 30 now and about 130 little chicks ranging from three weeks to five months. We sell most all of our eggs to our mother, and we keep her supplied the year round, besides supplying a few other customers. We have purchased in the meantime several settings of Rose Comb Brown Leghorn eggs at \$5 per setting; two settings of Rose Comb Black Orpington eggs at \$5 per setting, besides a trio of Rose Comb Black Orpington fowls at \$10; a bone grinder at \$13.50, and about \$12 worth of chicken wire, and all of our chicken feed, so that what we have made is net profit.

BRIAN K. WELCH.

Gowanda, N. Y.

RAISING OF YOUNG CHICKS.

For several seasons past for the first five or six weeks after hatching, we have kept our chicks in the brooder house before letting them outdoors. Especially through the cold days and nights even up to recently, we follow this plan (and some in now); have had no deaths among them. Their growth has been remarkable. To avoid cold and dampness is the great aim. J. W. Eastes, Galesburg, Ill., 565 W. Main street.

White Wyandottes and Pekin Ducks

Greatest competition White Wyandottes and Pekin Ducks, winners in the greatest competition in the world: World's Fair champions; 1, 3, 6 and 7 on young Pekin hens; 2, 3 and 7 young drakes, 3, 5 old drakes and 4 old hens. Won 6th and special on cock in White Wyandottes, and 1 have the best in the world in my breeding pens for 1905. 1st cock, 3d cockerel, 1, 2 and 4 pullets and eight more pullets, sisters to the prize winners and a brother to the 3d prize cockerel.

Illinois State Fair, 1st, 2d and 3d on Pekin Ducks. No White Wyandottes were shown. St. Louis Fanciers Association, Dec., 1903, won 1st breeding pen, 1st pullet and 3d cock in White Wyandottes and special for best pullet. Chicago National Fanciers' and Breeders' Association, 1905, won 1, 4 pullets, 1, 5 hen, 1, 3d chl., 2, 5 cock and three specials for best shape, and silver cup for the whitest bird in the show room on White Wyandottes. Pekin Ducks 1, 2 cock, 1, 2 hen, 1, 2 cockerel, 1, 2 pullet. White Wyandotte eggs \$3 for 15, \$5 for 30. Pekin Duck eggs \$2 for 11, \$3.50 for 22, \$7 for 50.

THEO. AMBROSIOUS

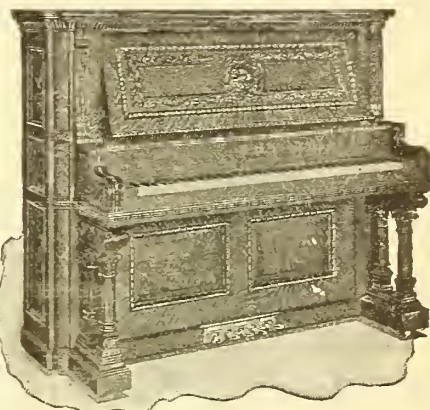
Collinsville, Illinois

WING PIANOS

Are Sold Direct From the Factory, and in No Other Way

You Save from \$75 to \$200

When you buy a Wing Piano, you buy at wholesale. You pay the actual cost of making it with only our wholesale profit added. When you buy a piano, as many still do—at retail—you pay the retail dealer's store rent and other expenses. You pay his profit and the commission or salary of the agents or salesmen he employs—all these on top of what the dealer himself has to pay to the manufacturer. The retail profit on a piano is from \$75 to \$200. Isn't this worth saving?



SENT ON TRIAL
Anywhere We Pay Freight
No Money in Advance

We will place a Wing Piano in any home in the United States on trial, without asking for any advance payment or deposit. We pay the freight and all other charges in advance. There is nothing to be paid either before the piano is sent or when it is received. If the piano is not satisfactory after 20 days' trial in your home, we take it back entirely at our expense. You pay us nothing, and are under no more obligation to keep the piano than if you were examining it at our factory. There can be absolutely no risk or expense to you.

Do not imagine that it is impossible for us to do as we say. Our system is so perfect that we can without any trouble deliver a piano in the smallest town in any part of the United States just as easily as we can in New York City, and with absolutely no trouble or annoyance to you, and without anything being paid in advance or on arrival either for freight or any other expense. We take old pianos and organs in exchange. A guarantee for 12 years against any defect in tone, action, workmanship or material is given with every Wing Piano.

Small, Easy Monthly Payments

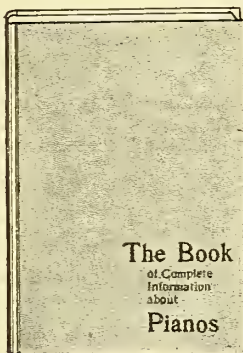
In 37 years over 40,000 Wing Pianos have been manufactured and sold. They are recommended by seven governors of States, by musical colleges and schools, by prominent orchestra leaders, music teachers and musicians. Thousands of these pianos are in your own State, some of them undoubtedly in your very neighborhood. Our catalogue contains names and addresses.

Mandolin, Guitar, Harp, Zither, Banjo—The tones of any or all of these instruments may be reproduced perfectly by any ordinary player on the piano by means of our Instrumental Attachment. This improvement is patented by us and cannot be had in any other piano. WING ORGANS are made with the same care and sold in the same way as Wing Pianos. Separate organ catalogue sent on request.

You Need This Book

If You Intend to Buy a Piano—No Matter What Make

A book—not a catalogue—that gives you all the information possessed by experts. It tells about the different materials used in the different parts of a piano; the way the different parts are put together, what causes pianos to get out of order and in fact is a complete encyclopedia. It makes the selection of a piano easy. If read carefully, it will make you a judge of tone, action, workmanship and finish. It tells you how to test a piano and how to tell good from bad. It is absolutely the only book of its kind ever published. It contains 156 large pages and hundreds of illustrations, all devoted to piano construction. Its name is "The Book of Complete Information About Pianos." We send it free to anyone wishing to buy a piano. All you have to do is to send us your name and address.



The Book
of Complete
Information
about
Pianos

Send a Postal To-day while you think of it, just giving your name and address or send us the attached coupon and the valuable book of information, also full particulars about the WING PIANO, with prices, terms of payment, etc., will be sent to you promptly by mail.

WING & SON, 350-395 West 13th St. New York
1883—37th Year—1905

WING
& SON

350-395 West 13th
St., New York

Send to the name and address written below, the Book of Complete Information about Pianos, also prices and terms of payment on Wing Pianos.

Cut or tear out this coupon and mail to us after writing your name and address at bottom. We will promptly mail book and other information.

ORR'S COLLIE DOGS

are a wonderful help in the poultry business—good day and night. Some beautiful puppies now at \$10 each. Booklet free.

T. E. ORR Box 807, Beaver, Pa.
HATCHING IS GOOD FALL AND WINTER WITH THE AXFORD.

It's built round and packed with wool. Simple to operate. Estab. 30 years. Catalogue free.

AXFORD INCUBATOR CO. Chicago, Illinois

For Sale at a Reduction

Our breeding stock with hundreds of young birds. All standard varieties. Hundreds of prizes won. Write your wants. B. S. Beckington, Garden Prairie, Ill.

CHOICE REGISTERED COLLIES

Pure bred, for sale at from \$10 up according to age and breeding. Great home dogs and stock workers.

A. D. BURHANS 2413 Y Street, Lincoln, Neb.

EGGS \$1 PER SETTING We are breeders of Barred and Buff Rocks, Silver Spangled Hamburgs and R. C. B. Leghorns. Write us your wants. We also breed Homing Pigeons. Try "Fly's Egg Producer" 5 lb. pkg. 50¢. Mrs. E. B. Fly, prop., Edwin W. Fly, Mgr. Clear View Poultry Yards, Chalfont, Pa.

Learn Telegraphy and R. R. Accounting

\$50 to \$100 per month salary assured our graduates under bond. You don't pay us until you have a position. Largest system of telegraph schools in America. Endorsed by all railway officials. Operators always in demand. Ladies also admitted. Write for catalog.

MORSE SCHOOL OF TELEGRAPHY
 Cincinnati, Ohio, Buffalo, N. Y., Atlanta, Ga., La Crosse, Wis., Texarkana, Tex., San Francisco, Cal.

Stearns' Bone Cutter

Shipped anywhere on **Thirty Days' Free Trial**. Fowls fed on the green bone ration as prepared (milled) by the **Stearns' Cutter** will double their egg output in fall and winter. **You write at once and get the bone cutter book.** It proves that poultry profits can be increased the year 'round. **Do it now.**

E. C. STEARNS & CO. Box 100, Syracuse, N. Y.

CUT PRICE IN EGGS
 75 cents per 15, \$4 per 100. Choice breeding stock going at \$1.00 each.
Northwestern Poultry Farm,
L. B. Jennings & Son, Polk City, Ia.

TRAP NESTS
 1900 Wellcome's "Ideal" Is King. 1905
 Shows which hen laid the egg. Cost small—No freight. More eggs with less hens. "Ideal seuse" in free circular. Write to
F. O. WELLCOME,
 York St.,
 Yarmouth, Maine.

THE IDEAL



Phoenix Poultry Plant

I am ready to offer you a bargain in the Phoenix Poultry Plant, our stock, good will and trade. Having sold our milling business here we must make a change. I will consider an exchange for a good mill property.

MRS. J. H. OREBAUGH
 Batavia, Ohio

THE ANCONA FOWL.

Several years ago I ran across an advertisement in one of our leading poultry papers, the attractive headline of which read something like this: "If you want eggs you must have Anconas." Up to that time I knew absolutely nothing concerning this by no means new variety of poultry and I had only observed the name once or twice in Lewis Wright's Poultry Book. Immediately I started an investigation to ascertain what sort of fowls these were that bore the Italian name. I followed up the investigation by purchasing from one of the leading breeders a trio of old birds and two sittings of eggs. From the time I first saw my purchase I was favorably impressed with the breed and that first favorable impression soon ripened into an absolute conviction that in point of egg production I had at last found the "real

of being great layers and very hardy. About 1883 another variety was introduced, this time undoubtedly from Ancona. These birds resembled the Leghorn in type, having yellow legs and beaks—the legs being more or less mottled with black. The plumage also differed completely, being mottled black and white, just like the mottling of the Houdan. It is remarkable thus to have received two different fowls from the same locality, composed of the same colors, but which have amalgamated in a different manner. These latter fowls are now known as Anconas. They surpass Leghorns as winter layers and stand frost and snow well." (Lewis Wright's Poultry Keeper.)

To this day there are two sorts of fowls bearing the name Anconas—the spurious or false and the real Anconas which are last above referred to by Mr. Wright. Frequently breeders have written me in this country telling me that



ROSE COMB WHITE LEGHORN.

Second cockerel, New York, 1904. Owned by Rocky River Poultry Co., Chicago, Ill.

thing." My admiration for the variety has steadily increased.

HISTORICAL.

Mottled Anconas are one of the most popular new "old breeds," being a late resuscitation of the Anconas of a century ago. They are of late very popular in England, and justly so, and the "Ancona Fever" is fast spreading throughout the United States.

Some years ago a controversy appeared in the English poultry press as to whether or not the Ancona was a cross between a black and white Minorca or Minorca and White Leghorn and this suggestion is even made by Lewis Wright, who says:

"ANCONAS.—This name has been given to different fowls of different origin. From about 1860 to 1880 those so known were cuckoo-colored fowls, of the same type as the preceding (Andalusians), and dark legs, their origin being no doubt a cross between black and white. The birds very likely may have come from Ancona, around which all colors and crosses exist amongst fowls of this type; they were rather short legged, and all the specimens we came across had the reputation

they have apparently two strains and when they describe them I know at once that at least one is spurious and should be butchered, and the origin of the other is many times doubtful. The only way to be sure is to buy from a recognized breeder who can and will trace the origin of his birds and advise you exactly as to what you are buying. But I am digressing.

The statement that Anconas are a cross-bred fowl is denied by the best Ancona breeders. They certainly are distinct in shape though they approach the Leghorn and Minorca. Mr. Wright says that the heads are distinctively Leghorn but in my best specimens imported from the president of the British Ancona Club in 1905, and by him imported from Italy, and bred in line—pure—for upwards of twenty years, I find the heads are distinctively not Leghorn—especially in the broad skull and projecting brow. When dubbed I have observed a marked similarity to some fighting games which I have owned.

Let me quote from Mr. G. Bradshaw, Government Expert N. S. W. Australia,

who said in a series of articles published in *The American Fancier* in 1904, among other things:

"However, irrespective of the actual ancestry of the birds seen in England from 1830 to 1870, it is a recorded fact that Capt. Bowle of the S.S. "Bugle," about 1884, brought to England a dozen birds direct from Ancona, and a further importation in 1887. Whether they were bred and kept pure, or the blood got mingled with those in England already bearing that name is not important; suffice to say that through merit alone Anconas have become more plentiful in England from that time to the present day. They were recognized as a pure breed at the Briggs Show in England in 1895, and by the British Dairy Association in 1898. The first year the birds were exhibited there were in competition 24 exhibits, the next year 58, and at the Dairy in 1900 78 exhibits were made, this being the most rapid rise to show-pen popularity ever accorded any breed in England."

DESCRIPTION.

"They are a handsome black and white mottled fowl, approaching the Leghorn in shape, with golden yellow shanks and beaks, large, bright-red single combs, and white ear lobes. They have a wild, peculiar expression, and are as beautiful and interesting as useful. As early as 1852, as appears from a table in the *English Agricultural Gazette*, four birds of this breed produced in twelve months 928 eggs, or 232 for each hen, a record which if correct, puts in the shade any of our present breeds or strains. They have always had the reputation of being wonderful layers of medium sized eggs (larger than the Orpingtons) and weighing more than those of nearly any breed irrespective of size. In the Government Experiment Station in N. S. Wales they have surpassed all other breeds as egg producers. They are short and stout, extremely hardy, of rare beauty and peculiar attractiveness, and are much admired by those "who know," both for utility and exhibition purposes."

The young exhibitor should be careful how he mates his birds if he wants to breed something worth showing. The cock should be darker than the Standard requirements, and the hens a good medium shade of under color and quills and fluff down to the skin should be black and not white, which is so often seen in inferior specimens. The black should be glossed with beetle green and the spots on the shanks distinct. The comb must be of medium size, 5 to 7 serrations, and it is to be hoped Ancona breeders will not adopt and judges will not encourage or permit, the huge beefy comb of the Minorea type which is quite out of keeping with the general character of the Ancona. The face, except the ear lobe itself, must be a sound bright red free from any suspicion of white. Anconas carry their tails rather higher than most birds, but a tail that is held over the back, squirrel fashion, is positively objectionable and should be avoided. The white mottling should be as clear and distinct as possible and free from any slatey tone.

The eggs of mature Anconas of the original imported stamp are as large as those of the Minoreas, averaging two ounces in weight. Frequently seven eggs weigh a pound.

The Ancona chick grows with amazing rapidity, and is very precocious and independent when reared by artificial means. I think that they learn to eat sooner than those of other breeds. They require



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The Kind that Never Fail. The World's Best

Our machines are used on the largest, best, poultry raising plants in the world. Large, handsome illustrated catalogue and poultry guide with building plans, etc., 5 cents. Send for a copy at once before you make a mistake in selecting your machines.

THE STANDARD F. C. INCUBATOR CO.,

Dep't. A, Rochester, N. Y., U. S. A.

Indian Runner Ducks

Buff Wyandottes

Buff Rocks

A few pens for sale if taken at once, at \$10 each, consisting of one drake and five ducks, one and two years old—a fine opportunity to get started with these money makers.

Breeding birds from my 1905 pens for sale cheap. Cocks \$5 and hens \$3 each. No flock of Buff Wyandottes in the world have characteristics so well fixed through years of careful breeding. These birds must be taken at once if obtained at these prices.

No better in the country. 1905 yards broken up and stock sold at way down prices. Write me.

W. R. WOODEN, Battle Creek, Mich.

MUST SELL AND WILL SELL

FISHEL'S ORIGINAL WORLD'S BEST

Three hundred breeders that we must sell in order to make room for one thousand growing chicks. March, April and May hatch. We have a great many ready for show. Order early and get the choice. New catalogue just out—36 pages. Also sale slip discussing several lots, with price. Send two 2c stamps for copy. It is valuable to all breeders of White Wyandottes. Address

J. G. FISHEL & SON

Box J, Hope, Indiana

ROSE COMB WHITE LEGHORNS

EXCLUSIVELY

We have added to our yards all of W. W. Babcock's famous New York winners, making us stronger than ever. Send for catalogue.

ROCKY RIVER POULTRY CO.

5931 Superior St., Chicago, Ill.

MAKE YOUR POULTRY PAY.

It will not if you do not keep the lice down and feed a good wholesome, balanced ration. Our Triumph Lice Remedies and Poultry Foods will make it easy sailing. Write today for circulars.

ELMDALE FARM, C. L. DUFFIELD, Prop.

Room 11, Commercial Bldg., Marshalltown, Iowa

Light Brahmas and Partridge Wyandottes

600 of the Finest in the Land

Yes, they were at the Iowa State Fair and won—Light Brahmas: 1st cock, 1st, 2d hen, 1st, 2d cockerels, 1st, 2d pullets, 1st pen of fowls, 1st pen of chicks.

Partridge Wyandottes: 1st cock, 2d hen, 1st, 2d cockerels, 1st, 2d pullet. I can furnish you red hot exhibition birds and the finest of breeding stock at prices that will suit you. Everything pedigreed for years and bred from the highest class of ancestors. Let me know what you want and I will please you.

Dr. N. E. Mighell

Oak Bluff, Ave. A, Marshalltown, Ia.

EARLY WINNERS

It may seem early to talk about show winners, but August and September are months that the early young birds must be gotten in line for the fall shows, and the old bird "trimmed" preparatory to exhibit. Well, then, as

DUSTON

has to keep these things in mind and be ready for the call that always comes, so he calls the attention of those who may want to WIN to the fact that he has old and young to meet early competition, as well as those coming on for later exhibits. Just write your wants in

White Wyandottes

and get prices on **THE GOODS** from the breeder that can again, and who has already made possible the "World's Best Flocks."

Arthur G. Duston,

Box 1020, S. Framingham, Mass

Studebaker Model Poultry and Egg Farms

Breeders of Single Comb White Leghorns, Rose Comb Black Minorcas, Rose Comb White Minorcas, and White Holland Turkeys. High Class stock for sale. Eggs in any quantities.

Studebaker Model Poultry and Egg Farms

South Bend, Indiana

COLLINS' RELIABLE POULTRY REMEDIES

Roup Cure, 25c. Cholera Cure, 25c. Diarrhoea Cure, 25c. Poultry Tonic, 25c. Cond. Powder, 25c. Cure Guaranteed. Poultrymen, my remedies are backed by professional services. Convince yourself of the unequalled qualities they possess by giving me a trial order, and if they do not prove superior to any you have used I will cheerfully refund your money. I know positively from practical experience and unsolicited testimonials from users, that these remedies will meet every duty required of them with never failing results. Accept no substitute, as there is none just as good. Agents wanted, liberal inducements. Send stamp for descriptive Circular.

Mfg. by C. J. COLLINS & Co. Hartford, N. J.

50 FIFTY 50

We have fifty Lt. Brahma, Partridge and Buff Cochins cockerels and cocks that must be moved. These are extra choice breeders and exhibition birds and will go at half their value. Prices \$2.50, \$5.00, \$7.50, \$10.00 and up. Send on your order or write for further particulars.

ELMDALE FARM, C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Iowa

S. C. W. Leghorns

100 fine yearling breeding hens for sale, and some fine yearling cocks. Also 100 three-months-old cocks, from my best matings. Write for catalogue to

W. L. FERN, Elgin, Illinois

\$100.00 IN CASH

Was won by Vanatta's S. C. White Leghorns at St. Louis World's Fair. At Chicago, January, 1904, I entered three cockerels in class of fourteen and won 1st, 3d and 5th cockerel. Choice breeding and exhibition cockerels, hens, pullets, trios and pens for sale cheap.

E. E. VANATTA, R. F. D. 8, Vandalia, Mo.

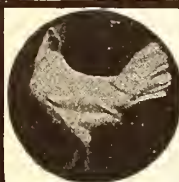
2500 R. C. and S. C. R. I. Reds for Sale

I am now booking orders for immediate delivery of 2500 fine youngsters at \$2.50 each. Single cockerels \$3. Also 100 one-year-old and two-year-old hens and cocks at same price. First come first served. Satisfaction guaranteed.

OLENTANGY POULTRY YARDS,

CHARLES C. REID, Mgr., Delaware, Ohio

Vice-President Rhode Island Red Club.



SMITH'S S. C. White LEGHORNS

None better anywhere for exhibition or laying purposes. To make room for young stock will sell this season's breeders at bargain prices. 300 hens and several choice cocks. Here's a chance to secure fine breeding birds at much less than actual value. Young stock now ready for shipment. Write your wants.

S. E. SMITH, BOX 101, NORWICH, N. Y.

Winners at
NEW YORK
ST. LOUIS

This is it.



SHAW'S CONVENIENT LEG BAND

pleases everybody. You'd discard any other marker made and use it if you saw it. Send for free sample.

It Snaps On. It stays; it's aluminum; it has large raised figures; it's easy to read. **Prices:** 12 bands, 20c; 30 for 45c; 60 for 75c; 100 for \$1.00. I'll send you letters from poultrymen who know, with samples if you ask it.

H. O. SHAW, Box 103, GRINNELL, IOWA.

CLEMENT & FIKE'S White Wyandottes

Greatest Strain on Earth. Make sweeping winnings at two state fairs. Iowa State Fair, Des Moines, 118 birds competing,

WON EVERY PRIZE OFFERED

Wisconsin State Fair, Milwaukee, 94 birds competing; won all firsts, winning all others except 2d and 3d cock. Why look elsewhere, we have the stock that can win. Show birds our specialty. Breeders in any number. 20-page catalogue for 2c stamp.

Long Distance
Phone
Libertyville 235

Bridgewater Poultry Farm
CLEMENT & FIKE

Box A
Libertyville
Illinois

plenty of run, and at the age of seven or eight weeks the sexes should be divided.

Whether considered as a utility or an exhibition bird the Ancona with proper attention is one of the most popular and profitable breeds.

In casting about to find the best strains of Anconas I became a member of the British Ancona Club. I had a long correspondence with the officers of this Association, particularly with Mr. J. W. Sykes, the first president of the club, of Bury, Lancashire, England, and Mr. A. Tysilio Johnson, Glanconway, N. Wales. Mr. Sykes is the foremost Ancona breeder of the world, having won more prizes than all other exhibitors together. I presume that Mr. Johnson is second only to Mr. Sykes. They are both judges of great note of this variety, and I take it for granted that from them I have gained more information relative to what the ideal Ancona is than could be elsewhere obtained. Mr. Sykes emphasizes particularly that the under color in this variety of fowls is of the utmost importance, and this under color must be dark, or black, to the skin, and each feather tipped with white. This includes tail and wings. He further states that a greenish sheen, or lustre, is most desirable for breeding and exhibition purposes. The ideal Ancona should be a trifle more blocky than the ideal Leghorn. The white mottling should be true white, not gray.

I can truthfully recommend to the fancier as well as the poultry farmer this variety of fowl. I know a trial will prove them perfectly satisfactory. With me they have filled the egg baskets constantly, under circumstances and conditions when other fowls were unproductive and I predict for them a very brilliant future.

Quite recently, with others, I have organized the American Ancona Club for the purpose of promoting a more general breeding of these fowls in America and to disseminate reliable information concerning the breed. I shall be pleased to mail the standard of perfection upon request.

J. HENRY BENNETT.

Viroqua, Wisconsin.

TRAP NEST PROGRESS.

In 1898 Professor Gowell, of the Maine State Experiment Station, devised a trap nest that has been given considerable publicity and has been in constant use at that station. In view of the fact that a great many people have been led to judge of the practicability of the trap nesting system by the limitations of the equipment at the Maine Station it is interesting to note that Professor Gowell himself frankly states in his latest bulletin (No. 117) that "only investigators and occasional poultrymen" can afford the expense of installing and using them.

For a number of years AMERICAN POULTRY JOURNAL has carried the advertisement of a trap nest that is in all respects adapted to the needs, the limitations and the means of all classes of poultry keepers and is being extensively used by such throughout the country.

PRACTICAL TRAP NESTER.

It seems to me I've discovered something and it's this, that chicks must be kept warmer at night than at day and heat raised or decreased accordingly; that it's the chill that causes looseness and death more often than the feed. H. C. Beebe, Canton, Ill., R. 5.

CARE FOR MOLTING FOWLS.

During molting time the chickens need great care, for it is a very severe strain on them to shed their feathers. It is not a very good plan to rush them through the molting season, because they need a rest just as well as any other thing does. If they are given a rest they will make up for it in the winter. Chickens molt many different ways. Some shed their feathers quickly and some shed them gradually. The ones that molt the soonest are generally the best winter layers.

Shade is the main thing towards molting fowls successfully; when the birds are naked they need a great deal of shade to keep the sun from burning their bodies. They should have fresh water three times a day. It should be put in a clean dish and then be put in the shade. Grit ought to be within their reach all the time, for this is especially the time that they need some sharp substance to grind up their food. Their food should contain a large per cent of nitrogenous matter. A good mash is made of bran, linseed meal, bone-meal and beef scraps, using twice as much bran as linseed meal. Wet this to a crumbly mass with skim milk. This will make a good mash which your fowls will enjoy very much. The birds should be free from lice before they start to molt, because they cannot molt successfully with the lice bothering them. The best way to get rid of the lice is to take a handful of lice powder and dust it thoroughly through the birds' feathers. A good pigment to produce gloss and rich, deep coloring in the feathers is to put a teaspoonful of carbonate of iron into a mash for a dozen fowls. Another very

important thing is to keep the roosters separated from the hens, because the roosters need a rest.

When the birds are on free range they will provide for themselves all necessary material with which to make new feathers, but when they are confined, all this material must be supplied by the owner. They ought to have an abundance of green food and a meat ration. Their food should be put in leaves, so as to compel them to exercise.

The houses ought to be very comfortable, for the fowls need comfortable quarters on these hot days. The windows ought to be taken off and wire netting put in their place. This will allow free circulation of air in the house. Their quarters should be kept very clean, for filthy quarters are the places where the diseases start. When the heavy rains occur they ought to have access to shelter. When the birds get good wholesome food, fresh water, an abundance of shade, plenty green food and good care they will go through the molting season with the greatest of success.

CHAS. H. WAGENER.

Fullersburg, Ill.

POULTRY RUNS.

Are yours clean? This is one of the things an amateur has got to contend with. I find a very satisfactory way is to buy lime, slacked or unslacked, and sprinkle the ground well with it. Taking part of the run at a time and then spading it under. The next time start where you left off and continue until you have covered the entire run. I do this three

or four times a week; when the run is finished I start over the same way; this keeps the ground nice and clean and gives the birds new ground to work in.

Lime costs 50 cents a bushel, and that will last for some time, so there is very little expense.

EDWIN W. STABLER.

Cleveland, Ohio.

LOUSE AND MITE EXTERMINATOR.

Mr. Bert Undercoffer, Williams Grove, Pa., writes that he has been very successful in getting rid of lice and mites in his poultry house by the use of the following mixture: Five cents' worth of camphor gum, one pint of ammonia and two ounces of carbolic acid; mixed together in about one quart of water. When going to use this he adds to this amount two gallons of warm water. With this he thoroughly sprays the inside of his houses and pens.

This can be prepared at a very small cost and if it will do the work as thoroughly as Mr. Undercoffer claims, it will be a great help to the poultrymen.

CARE OF MOULTING FOWLS.

Don't feed too heavy on fattening grains, as usual a variety with abundant shade, good bath of road dust or a mixture of road dust and wood ashes. Mash and fresh ground beef at least twice weekly and plenty fresh clean water before all fowls at all times, sunflower seed occasionally, and don't ever lack grit and cleanliness. Wilber Bros., Petros, Tenn.

Cyphers Poultry Supplies and Foods.

Our 1905 Catalogue consists of 228 pages. It contains six special chapters on profitable poultry keeping; more than 450 illustrations including latest portraits of 150 best known authors, judges, fanciers, editors, professors of poultry husbandry and owners and managers of the world's largest, successful poultry plants. Will be sent free, postpaid, to every reader who sends his name and the names and addresses of two acquaintances who keep poultry.

In addition to our splendid line of **INCUBATORS AND BROODERS** remember we are manufacturers of

Everything Required In Poultry Keeping

Our Poultry Supply Catalogue is Free. It contains a full list of the articles we manufacture, among which will be found

Chicken Coops,
Portable Houses,
Shipping Coops,
Egg Carriers,
Food and Water Vessels,
Bone Cutters,
Chicken Punches,

Feed Cookers,
Lice Powder,
Lice Paint,
Fumigating Candles,
Disinfectants,
Egg Preservative,
Poultry Remedies,

Chick Food,
Laying Food,
Forcing Food,
Scratching Food,
Cut Clovers,
Shredded Clovers,
Mealed Clovers,

Food Hoppers,
Grit and Shell Boxes,
Leg Bands,
Egg Testers,
Wire Fencing,
Roofing,
Sprayers.

CYPHERS FORCING FOOD

Puts on size, flesh and weight, and produces plumage with a gloss quicker than any other poultry food on the market. It contains a large proportion of protein—the most costly nutrient to be found in grains—and is just what has long been needed by fanciers who wish to hasten the growth of plumage and to secure size on their young stock for the fall shows. It forces the growth and fits young stock for the market.

We grind, mix, sack and seal all our Foods. For the protection of our customers our ready-mixed Poultry Foods are put up in sealed bags, bearing our Trade Mark. Customers should refuse all bags which do not bear our seal, also those on which the seal has been broken or removed.

Cyphers Roup Cure For Colds

is the best possible cure for roup in all stages and forms. It prevents and cures common colds, and for the removal of canker is without an equal. Dissolve it in the drinking water. The birds take their own medicine. One small package makes 25 gallons of medicine. (ADDRESS NEAREST OFFICE)

CYPHERS INCUBATOR COMPANY,

BUFFALO, N. Y., Court and Wilkeson Sts.
KANSAS CITY, MO., 2325 Broadway.
NEW YORK, N. Y., 23 Barclay St.

CHICAGO, ILL., 310 Fifth Avenue
BOSTON, MASS., 26-30 Union St.
SAN FRANCISCO, CAL., 329 Sansome St.



A Rhode Island Red Vacation Trip.

One of the important questions which we all have to decide each year, is how shall I spend my vacation to best advantage, and as my choice this year resulted so very satisfactorily, I thought it might be interesting to other breeders that are unable to take advantage of such a trip.

Having ten days, our usual allowance for vacation from the bank, I decided I would take my bicycle along, to use where circumstances would make it convenient, and take a trip through the Eastern States and see the flocks of the prominent breeders, that I had read about. By the aid of maps and advertisements of parties I wished to see, I laid out a route and started in at White

a branch of their large ranch in England, D. W. Youngs the veteran White Leghorn breeder where I saw many prize winners and the specimens that Sewall used as models in making the Standard cuts from; Henry Hales, the Dorking Champion, while Wadsworth Bros. and F. D. Baerman of American Red fame showed some very fine quality Reds.

I enjoyed an early morning call on Secretary Baerman and one could not doubt for a minute his sincere, conscientious efforts in behalf of his favorite breed, and he will leave nothing undone to help them hold the position in the Standard as admitted in Milwaukee.

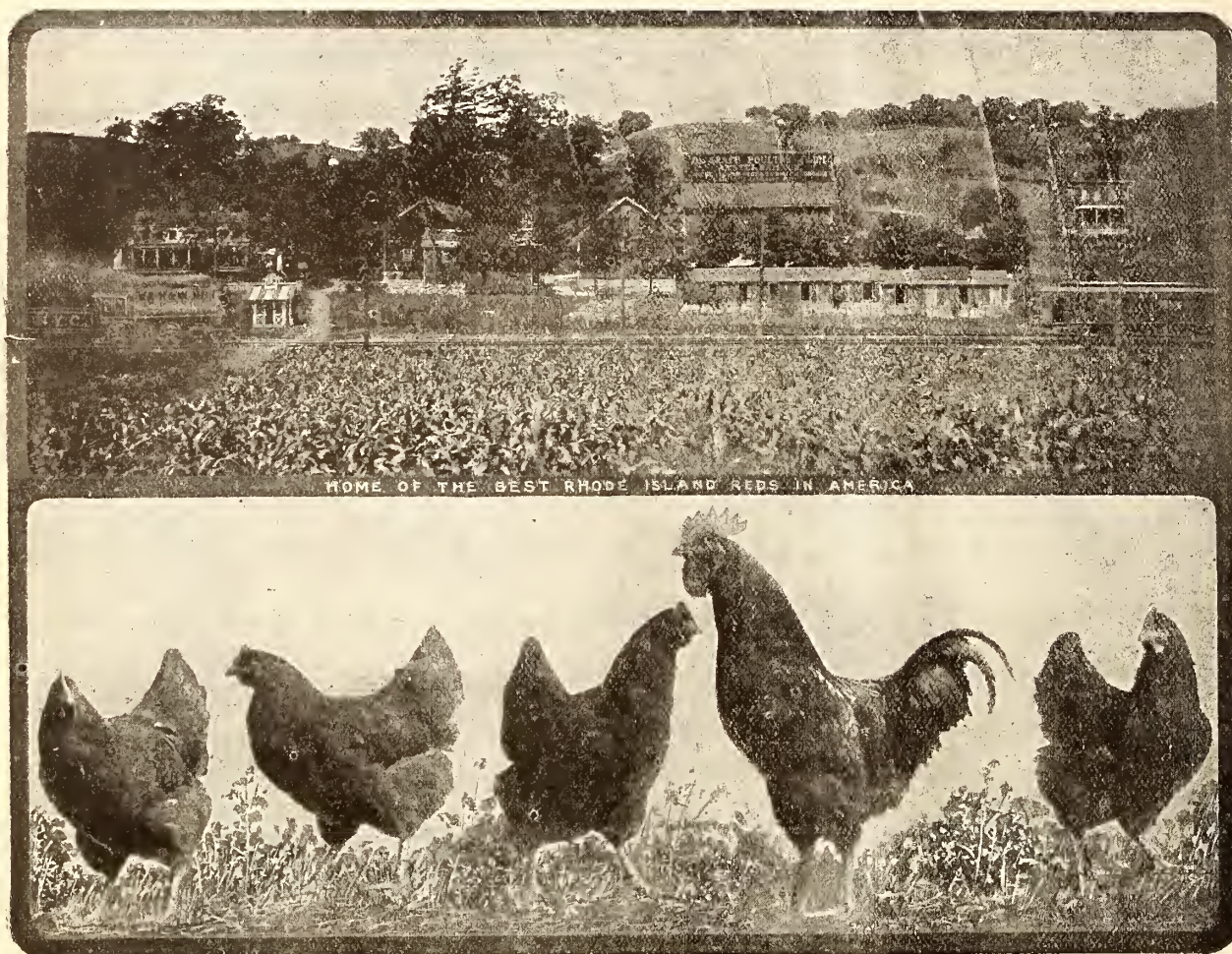
But judging from the talk among

The Willow Brook Farm showed up a fine lot of early hatched Orpington well cared for that made a very pretty sight.

The Elm Poultry Yards was next inspected and later on interesting instructing poultry chat with Proprietor Groesbeck, who is certainly a busy man, between the farm and his store in the city.

Of all the breeders of fowls on a large scale that I have ever seen I take off my hat to G. G. Tillinghast of Vernon, Conn., as his methods of caring for, and results obtained, together with a general health of his large flock of about 5,000 head, has everything beat that I have ever seen.

Nearly all the fowls are S. C. White Leghorns, housed in simple, single thick-ness, colony houses without any paper at all, in flocks of about 50 fowls each.



RHODE ISLAND REDS ON THE DE GRAFF POULTRY FARM, AMSTERDAM, N. Y.

Plains, N. Y., where I visited the Gedney Farm, F. W. Gaylor, poultry manager, and the Ophir farm of Whitelaw Reid, both of which are fine examples of farms developed regardless of expense by millionaire owners, under good management. Among the important places I visited in New Jersey might be mentioned the Davenport Farm, where specimens of many nearly extinct varieties of beasts and fowls are collected from all parts of the earth, including thoroughbred Arabian horses, large flocks of Angora goats, nearly all varieties of pheasants and peacocks, together with imported fowls including the original jungle fowl. The famous Wm. Cook & Sons plant, where all varieties of Orpingtons are bred as

Eastern breeders, they are unanimously in favor of the name R. C. Rhode Island Reds, in preference to American Reds, but this question will undoubtedly be adjusted to the satisfaction of all at Cincinnati, O., and then the breeders will have an ideal established, and they can develop this breed to the prominent position that it deserves.

The night boat to Hartford, Conn., landed me there early in the morning and I soon located Wm. E. Treat, who does very artistic advertising work in the poultry line and we together visited the yards of Robert E. Tuttle, where we found him at work building a new house for his young Reds, but he managed to find time to show up his prize winners.

on a fruit covered ranch. He feeds once a week by filling hoppers with wheat screenings and he never waters them as they have running water in the creek during the season and do very well on snow in the winter when they get accustomed to it.

About 100 pounds of meat scraps is fed at night, when the eggs are hunted with a horse and wagon. Ground bones is before them all the time. Although it was during moulting season when I hunted eggs with him, still we brought back a wagon load of over 1,000 eggs and my very careful inspection did not discover a single fowl that was not in perfect health. But what he does give his fowls that few others do, is plenty of

Easy Shaving

is only possible when the beard is thoroughly softened by the lather of

WILLIAMS' SHAVING SOAP

Sold everywhere. Free trial sample for 2-cent stamp. Write for "The Shavers Guide and How to Dress Correctly."

The J. B. Williams Co., Glastonbury, Conn.



FENCE Strongest Made

See how closely it is woven. Sold direct to the farmer at factory prices, on **30 Days Free Trial**. Your money back if not satisfied. Write today for free Catalogue. **COILED SPRING FENCE COMPANY** Box 8 Winchester, Indiana.

WIRE-\$1.40 Per 100 Lbs.



Smooth galvanized wire, put up 100 lbs. to a bale, lengths running up to 220 ft. No. 14 gauge, per 100 lbs. \$1.40. Write for prices on other gauges. Fence staples, per 100 lbs., \$2.00. Wire nails, mixed in a keg, per 100 lbs., \$1.60. Barbed wire, per 100 lbs., \$2.35. Pony netting, steel fence, etc., at low prices. Ask for Catalogue No. 5, 186 on merchandise of all kinds from Sheriff's and Receivers' sales.

CHICAGO HOUSE WRECKING CO., West 35th & Iron Sts., Chicago

Keeps Poultry Healthy

VIGER'S
Crushed
Charcoal

Prevents Disease



Chemically pure, keeps poultry strong, healthy and in good laying condition. Corrects wrong feeding. Not a drug, but Nature's own purifier. Coarse or fine granulated, also pulverized for soft feed. 50-lb. trial bag \$1.00; special price for quantities. Samples free. Viger's Coal & Wood Co., 434 20th St., Detroit, Mich.

EGG MAKING MACHINE



The improved Standard Bone Cutter is a veritable "Egg Making Machine." It helps the poultryman double his egg supply. Cut green bone contains all the elements necessary to make eggs—lots of them. The

Standard Bone Cutter

takes the green bone and prepares it in its best form for feeding—does it automatically. Simply put the bone in feeder, turn the balance wheel, the cutter does the rest, and gives you a feed rich in albumen, phosphate of lime, and phosphoric acid—the chief ingredients of eggs. It will make and save you money every day, and keep your poultry healthy. Write today for free catalog, prices and our original Trial Plan.

Standard Bone Cutter Co., Box 605, Milford, Mass.



fresh air the year round, and nature does the rest. No frozen combs were noticeable on the hens that were even three years old, and he claims they are allowed to go out doors nearly every day the year round.

At Suffield, I was unfortunate enough to find M. F. Delano away perfecting arrangements for the management of the W. Barry Ownes Poultry Farm at Martha's Vineyard, which he will develop into the largest poultry farm in the world. At Springfield I saw W. R. Graves and was sorry to know that he would not have the management of the next Springfield show, as his management has always been very satisfactory to all.

At South Framingham I found A. G. Dustan busy building more poultry houses; still he was not too busy to show up his stock.

At Waltham S. J. Fogg has a flock of White Leghorns that have always given the boys a hot reception at the Boston Show, while the large plant of W. Ellery Bright under good management showed up some very fine stock, well cared for.

I had a very instructive talk with Judge I. K. Felch, grandfather of the thoroughbred poultry business in this country, and gained many practical pointers from his long experience as a line breeder. I was most fortunate in finding Dr. Louis Deckman of Needham at home, as I consider him the highest authority on the cause and cure of all poultry diseases, as he has spent a life time in investigating and experimenting in the old country and is still experimenting here. The doctor was very hospitable and willingly answered my many questions about what we all are trying to learn more about. Long may the doctor live to continue his study for the benefit of the poultry fraternity at large.

From this on I was right in the heart of the Rhode Island Red country and my list includes the following well known breeders, President C. M. Bryant, Lester Tompkins, Tom Hollis, Phil R. Parks, I. W. Bean, W. H. Harris, Stafford Bros., Frank D. Read, Danl. P. Shove, John Crowthers, F. C. W. Almy and the wholesale breeders of Little Compton.

While I was well pleased with what I saw at each place still it would not be doing justice to the readers if I did not mention the extra large flocks of Pres. C. M. Bryant, Lester Tompkins, and F. C. W. Almy, all of which have considerable over 1,000 each, and as a flock they will compare with any similar flock of any other breeds in general quality.

Although I heard good reports of Judge Dr. Aldrich from every breeder still I found the doctor more than equal to his reputation and have the greatest confidence in the doctor's judgment on Rhode Island Reds, as a more enthusiastic, better posted judge could not be imagined.

It was very enjoyable to me to meet these people that I have read about for years and to look over their fowls and houses and have them show up with pride their prize winning specimens and see the genuine loyalty to their favorite breed which everyone predicted would soon establish itself, on its merits as the leading utility fowl on earth.

I found the breeders as fine a class of gentlemen as you would ever care to meet, and with the breed in the hands of such men it can not help but occupy the prominent place in the poultry fancy which it so richly deserves.

Although I had often heard about the

IMPROVE YOUR BUFF LEGHORNS
"Canada's Best" S. C. B. Leghorns. Young stock ready Sept. 1st. Finest strain on record. Write now. Demand will exceed stock.
NATE K. CORNWALL, Thamesville, Ont., Can.

FIVE THOUSAND LAND AND WATER FOWLS

FOR SALE. Also will sell some of my prize winning breeding yards. Send 10c for 100-page catalogue telling all about poultry, ponies and hogs.
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Breeders of Black, White, Buff and Partridge Cochins Bantams, winners at Fremont, Dayton, Pittsburg, Chicago and other shows. Stock score 93 to 96%. Eggs \$2.00 per setting.

Expert Poultry Judge

Terms, reference, etc., for the asking.

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Barred Rocks, 1904,

Michigan State Fair, 1st, 2d cks., 1st ck. 2d hen. Fenton, Mich., 5 lbs, 3 2ds, 2 3ds. Grand Rapids State Show, 1st ckl., 4th hen, 2d pen. Pontiac, Mich., 4 1sts, 3 2ds, 2 3ds, 3 4ths. Prize winners in breeding pens. Eggs in season.
B. G. WESTFALL, Oak Grove, Mich.

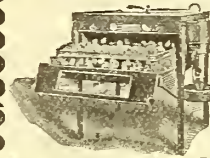


NEW POULTRY CUTS

For 1905 we have many new illustrations of pairs, trios and single birds. Our new catalogue shows all. Send for it today. I also breed B. P. Rocks—Eggs for sale.

Chas. L. Stiles, 921 Mohawk St., Columbus, O.

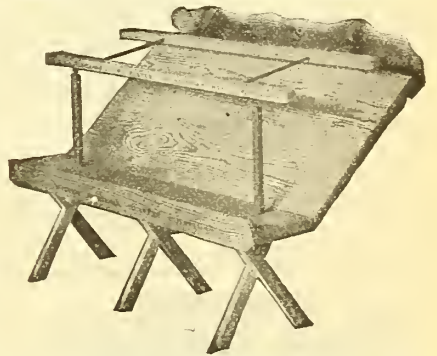
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hatching chickens with the Gem Incubator, that low-priced, high-grade, absolutely reliable, up-to-date Hatcher. Sure profits. Now is the time to prepare for the early hatching season. Write today for a beautiful catalogue FREE.
GEM INCUBATOR CO.
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DON'T BUILD

that new hen house or think of fixing up the old one until you have secured a copy of our large thirty-page catalogue on Poultry House Fixtures. You will then decide, as have hundreds of other poultry raisers in every part of the country that



The Potter Portable Henny Outfit and Vermin Exterminator Roost

are the greatest improvements of the age in the line of up-to-date, convenient, time and labor saving poultry house fittings. They are the 20th century fixtures; they save you time, labor, worry and money in your poultry work. You can never successfully and properly do this work and get the results you want, clean and sanitary quarters, healthier fowls and larger egg production until you have your house equipped in the right manner. Our fixtures are made in three styles and over 40 sizes; so we can fit up any house large or small, no matter how arranged. Some people buy two outfits and others buy twenty-five. You can decide just what you need after reading our fully illustrated catalog. Write today enclosing one red stamp.

T. F. POTTER & CO.,

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BROWN LEGHORNS.

THE EMPIRE STRAIN ALWAYS WINS.



GEO. H. BURGOTT,

LAWTONS CATALOGUE FREE LAWTONS, ERIE CO.,

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EXHIBITED AT

MADISON SQUARE GARDEN.

TWO FOR THE HEN

From Darling's standard line. Rich in protein, free from taint. Poultrymen's stand-bys.

BEEF SCRAPS, BEEF MEAL.

Beef Scraps, \$2.25; Beef Meal, \$1.80; Granulated Bone, \$2; Laying Food, \$2.25; Chick Feed, \$2.50; Oyster Shells, 60c; Mica Crystal Grit, 65c. All 100 lb. bags, f.o.b. Chicago, cash with order. Live Killers and all Supplies. Write for booklet, "Fill the Egg Basket" and large Catalog. Darling & Company, Dept. C Union Stock Yards, Chicago.

Barred Ply. Rocks.

Bradley Bros. Strain. Nice, well bred, vigorous cockerels \$2 to \$3. Better ones \$5. Exceptionally fine exhibition birds \$10. F. F. WINSOR, Hollenberg, Kan.

COCHIN BANTAMS Black, White and Buff.

Seven first prizes at Madison Square, 1901.

DR. WILLIAM V. FOX,

Taunton, Mass.

Glen Lee Poultry Farm, Winchester, Va.

G. H. Kinzel, Owner and Prop. White Wyandottes, Duston Strain; White Leghorns, S. C. Wyckoff and Blanchard Strains. Eggs \$2 per fifteen.

PARLOR POULTRY YARDS, F. C. Tabor. Prop., Worcester, N. Y. Tabor's 200-egg strain of R. C. B. Leghorns lead, others follow. At Madison Square Garden, Jan., 1905 1st cock bird in the strongest class ever shown at the great World's Fair, St. Louis, 1904, 4, 6 hen, 6th pullet, 2d pen. Eggs from special matings \$1 per 13. Catalogue free. Stock for sale.

NOW IS THE TIME To begin making calculations on your poultry matters for the coming season. I am still in business with either birds or eggs of the Rose Comb Brown Leghorns, Barred Plymouth Rocks and Buff Orpingtons and Silver Laced Wyandottes. JAS. H. TROUGH, Minden, Neb.

Light Brahma Closing Out Sale

All of my breeders. Hens \$2 each, three for \$5. Barred Rock cockerels that are fine.

GEO. O. ANDERSON

R. R. 5, Rushville, Ind.

Silver Wyandottes

Two big Chicago shows—eight first prizes. Stock to spare at right prices. Eggs for hatching. Write for particulars.

W. H. MILLARD,

Genoa, Ill.

BLACK, BUFF AND PARTRIDGE**COCHINS**

And Bearded Silver Polish.

EGGS \$2 and \$3 per 13. Birds \$2 to \$10 each; \$5 to \$20 per trio. Prize Winners for twenty-four years. Circular free.

Dr. H. F. Ballard

Chenoa, Ill.

DE GRAFF'S POULTRY FARM
AMSTERDAM, N.Y.
STOCK & EGGS FOR SALE
PLEASE SEND FOR MY CATALOGUE
BEST RHODE ISLAND REDS IN AMERICA
WHITE LEGHORNS & BLACK MINORCAS

Ideal Aluminum LEG BANDS

are the acknowledged leaders. Firmest and most secure lock. Quickly put on and guaranteed to stay on. Price, postpaid, 12 for 15c; 25-30c; 50-50c; 100-75c. All supply dealers sell them. Sample band and B. P. Rock circular sent for 2c stamp. Frank Myers, Mgr., Box 40, Freeport, Ill.

White Wyandottes

Duston's breeding and exhibition birds of high quality, farm raised and bred in line from my prize winners. While they did not get any ribbons at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable price, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN,

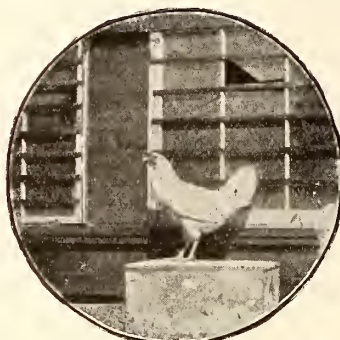
Beardstown, Ill.

county in which little Compton is situated, still I hardly realized what a poultry center it was until I spent nearly a whole day riding through it and visiting the most important farms.

Poultry raising for market and eggs is the main crop of all the farmers, and they raise from 500 to 5,000 each, and strange to say I did not see a single fowl that was not a Rhode Island Red or a half cross with a Red and these were few.

These farmers have been raising these fowls for years and it struck me very forcibly that they should confine themselves to this breed so exclusively when there are over one hundred other breeds in the list.

They raise entirely for the practical end of the business and use large range covered with cheap colony houses and the fowls are allowed to run out, every day in the year, which probably accounts for the hardness of this breed. Their methods of feeding are simple as possible, to reduce cost of labor, and young stock is sold for broilers and roasters, which this breed is especially adapted for. Collectors from the large cities buy the eggs



Second prize R. C. White Leghorn pullet, New York, 1902. Owned by Rocky River Poultry Co., Chicago, Ill.

right at the door at advanced prices, as the demand in all the eastern cities are large, dark shelled eggs.

When I returned home and carefully scrutinized my own flock with the eye of an expert trained by a practical experience which I doubt has ever been equaled, as in the ten days I had literally seen thousands of good Reds and compared ideas with the best posted breeders on the subject, I found I knew much more about what goes towards making a perfect Rhode Island Red than ever before, and I appreciated the general quality of my flock more than I ever did before.

Strange to say I found two orders waiting my return, one being for a breeding pen from California and a cockerel from Australia, so that although little Rhode Island is the hotbed of Reds in this country still they are fast transplanted to all sections of the world.

One of my objects in taking this trip was to convince myself of the advisability of colonizing an orchard of 700 apple trees just full grown with Reds, and my experience has proven to me beyond a doubt that if properly managed it will be a grand success, both for the fowl and the trees.

EDWARD T. DE GRAFF.

Amsterdam, N. Y.

B. E. Johnson, Kirkwood, Mo., the Buff Rock specialist, is offering "prize winners by the wholesale." Those desiring something choice in this variety should write Mr. Johnson for prices and other information.

Sharples TUBULAR CREAM SEPARATORS**WHICH DO YOU WANT?**

Tubular or Bucket Bowl?
Simple Bowl or Complicated?
Izzers or Hasbeens?
Waist Low Can or Head High Can?
Self Oiling or Oil Yourself?
Wash 3 Minutes or Wash Thirty?
All the Butter or Most All?
Best Butter or Medium Butter?

Tubulars are different, very different. Just one Tubular—the Sharples. All others make bucket bowls—can't make Tubulars because they are patented. Ask for catalog Q-205.

THE SHARPLES SEPARATOR CO.
WEST CHESTER, PA.

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Leg Bands

Note Reduced Prices.

CLIMAX.—Stay on kind. Millions in use. Always popular. Postpaid: 12, 15c; 25, 30c; 50, 45c; 100, 75c; 250, \$1.75; 500, \$3.25; 1000, \$6.00.

SMITH SEALED.—Official Bands of Pan-American and St. Louis Expositions. Used by best breeders everywhere. 12, 30c; 25, 50c; 60, \$1.00; 100, \$1.50; 250, \$3.50; 500, \$6.50; 1000, \$12.50.

DOUBLE CLINCH.—Best made and most popular flat band on the market. Gives universal satisfaction. Same prices as Eclipse.

ECLIPSE.—A favorite because it's easy to put on and stays on. 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, \$1.50; 500, \$2.75; 1000, \$5.25. Send stamp for samples and our new Catalog of Leg Bands & other specialties.

The Keyes-Davis Co., Ltd.,
Manufacturers, Dept. No. B
BATTLE CREEK, MICH.

A BETTER LOCATION THAN YOURS

Would be in Virginia, North Carolina, South Carolina, Georgia, Florida or Alabama, or some other Southern State, and we can prove it. Write for a copy of the special Southern edition of the

SEABOARD AIR LINE MAGAZINE

which is handsomely illustrated, and contains hundreds of specific opportunities for success, it matters not what your occupation.

J. W. WHITE

General Industrial Agent, Portsmouth, Virginia.

SEABOARD AIR LINE RAILWAY

INDIANA STATE FAIR.

The Indiana Fair, which recently closed, was a great success in every particular. In the first place the weather man was in good humor, and the week was fine, which called out a large attendance with many exhibits. Every department was full to running over, necessitating the renting of tents and temporary stalls to accommodate the stock; the Poultry Hall was also full. Superintendent Sid Conger did his work well, as he knows how it should be done.

The classes were well filled of most all of the odd varieties, while the more common varieties were very large classes; about two thousand birds were on exhibition. There were some very fine specimens shown in Rocks, Wyandottes, Cochins, Houdans, Leghorns and Orpingtons and other varieties well represented. Chas. McClave of New London, Ohio, exhibited a fine string of birds and got his hat full of ribbons, and a large share of the money prizes. His Rocks, Wyandottes and Orpingtons were exceptionally fine. C. S. Byers of Hazelrigg, Ind., also had some very fine Orpingtons and got in the money.

A number of incubators were on exhibition in full operation, and the hatching of the chicks on the ground made it very interesting to the public and drew great crowds to the hall.

S. B. JOHNSTON.

Norway, Mich., Sept. 16, 1905.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: I do not know much about chickens, but the impression I have formed from all I have heard, and from reading the POULTRY JOURNAL for the past seven months, is that hens do not lay while moulting. Now my experience began on the 18th day of March, 1905, when I bought for my family use, one cockerel and ten pullets (B. P. Rocks), all of which were hatched on the 20th of May the year before; the pullets were laying when I brought them home, and with the exception of hatching time, and intervals of a few days now and then, they have been laying well ever since. They all set, and those I took the chickens away from when hatched, commenced to lay in 12 to 16 days after

hatching, and the ones I kept for brooders commenced to lay when their chicks were from 4 to 5 weeks old.

These hens began to moult about the middle of July, and all through August they were moulting so fast that each one looked like a bunch of rags, still I got 15 dozens and 5 eggs from these 10 hens in August.

Now I desire to ask through your Question Column, Is this regular? or, am I forcing these hens too much by the way I feed? I keep these birds in a pen 16 x 50, with a house 10 x 11 inside; I feed a mash every morning consisting of one quart ground corn and oats mixed with one quart of alfalfa meal, and two handfuls of dry bone meal and a little salt thrown in, to which is added twice a week a teaspoonful of Bigler's Poultry Compound; Sunday morning I give them instead, a mash of equal parts bran and corn meal; for dinner every day I feed one quart oats, and the potato parings boiled, and a few scraps from the table; for supper I feed wheat once a week, corn once a week (one quart of each to a feed), baked potatoes twice a week and one quart of oats three times a week; added to this I give them all the green grass from the lawn they want every day, and they have fresh water and oyster shells before them all the time.

Is it necessary to feed beef scraps to laying hens when they get dry bone meal every day?

When hens have oyster shells before them all the time, is it necessary to give them other grit? J. T. L.

Answer: As you are getting good results from your method of care and feed we would not advise the least change in same. All that fowls require is the proper egg-forming ration and they will lay the year round.

The moulting season being very hard on the bird, much assistance should be given them. Separate male from females allowing both good, clean grass runs with as much shade as possible, with as usual plenty of sharp grit and fresh water. Cut out the corn, feeding lighter grain, allowing more sunflower seed, increasing beef scraps. Wilber Bros., Petros, Tenn.

WHITMAN'S S. C. BUFF LEGHORNS

Won again at the Northern Ill. Poultry Show. My 1st prize cock bird Judge Holden pronounced "a bird among a thousand." EGGS reasonable prices.

R. T. WHITMAN, R. R. 1, Belydier, Ill.,

Eggs-Hahne's Lt. Brahmas-Eggs

EGGS \$3 for 13, \$5 for 26. For incubator eggs \$10 per 100. Send for beautiful illustrated catalogue free.

FRED HAHNE

517 Webster St., Webster City, Iowa

Mrs. Hill's W. Langshans

won more premiums at World's Fair, St. Louis, Mo., than all the other White Langshan breeders combined. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight.

Mrs. J. S. Hill Purdin, Mo.

Premium Stock Poultry Yards

Fertile EGGS 15 for \$1

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

A. STARZINGER, Prop. Carbondale, Ill.

KING BROTHERS

Breeders of the world renowned "Ringlet" strain Blue Barred Rocks. 600 grand youngsters that in quality can be equaled by few, and at prices that are positively lower than others. Illustrated catalogue free.

OMRO, WISCONSIN

R. F. D. No. 21

(Formerly Oshkosh, Wis.)

My Strain of Barred P. Rocks

are direct Bradley Bros. Sir Bradley, Winner, and Best Brother, all direct descendants of first prize birds at New York and Boston, and direct from Bradley Bros. headed my pens for 1904-5. Cockerels for sale. White Wyandottes, direct Hawkins. Cockerels only. Bronze Turkeys from extra choice matings. Write

MRS. A. J. COLVIN,

R. R. 1, Pearl, Illinois.

100

Envelopes 3 1/2 by 6 1/2 inches, an extra thick, strong, smooth, hard slick white writing surface, and 125 Letterheads, 8 1/2 by 11 inches an extra heavy, hard, slick, fine smooth, pure white writing paper. All artistically printed to your order and illustrated with latest new Standard cuts of your choice breed of fowls, postpaid for \$1.00. Better printing at the price was never done. I'll please you. Make all money orders payable to me at Big Clifty, Ky.

J. R. HUDSON, HARDIN SPRINGS, KY.

We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.



First Prize Ckl. World's Fair, St. Louis

You Owe it to Yourself

to investigate carefully before you place your order for those

WHITE PLY. ROCKS

I have thousands to select from; sons and daughters of first prize winners at ST. LOUIS AND PAN-AMERICAN WORLD'S FAIRS, CINCINNATI, CLEVELAND, CHICAGO, HAGERTOWN, INDIANAPOLIS, etc. In price and in quality I can give you unequalled value. My 36-page catalogue is full of valuable points. Send stamp if handy. Shall I hear from you, please? You won't regret it.

MAY R. POULTRY PLANT

D. T. ROOTS, Prop.

Connersville, Indiana

Your Life Current.

The power that gives you life and motion is the nerve force, or nerve fluid, located in the nerve cells of the brain, and sent out through the nerves to the various organs.

If you are tired, nervous, irritable, cannot sleep; have headache, feel stuffy, dull and melancholy, or have neuralgia, rheumatism, backache, periodical pains, indigestion, dyspepsia, stomach trouble, or the kidneys and liver are inactive, your life-current is weak.

Power-producing fuel is needed; something to increase nerve energy—strengthen the nerves.

Dr. Miles' Restorative Nervine is the fuel you need. It feeds the nerves, produces nerve force, and restores vitality.

"When I began taking Dr. Miles' Restorative Nervine and Anti-Pain Pills I was confined to my bed. I had severe nervous spells, the result of two years illness with malaria. I gradually grew so weak that I was unable to sit up. The spells would commence with cold chills, and I would become weak and almost helpless. My circulation was poor. I had doctored right along but grew weaker and weaker. The Nervine seemed to strengthen me right away and my circulation was better. I have taken in all seven bottles of the Nervine, and I am entirely well."

ROSA E. WEAVER, Stuarts, Ia.

Dr. Miles' Nervine is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails, he will refund your money.

Miles Medical Co., Elkhart, Ind

200 EGG HENS.

Wouldn't a pen of that kind make you money this winter?

The Walter Hogan System

will enable you to select that kind from the hens and pullets which you now have, or from the hens and pullets you buy. Will enable you also to select the cocks which will breed that kind of hens and pullets. While extraordinary, the "System" is after all just plain common sense. You can learn how in just a little while. The first cost is very small—the results are only limited by the number or fowls you keep. You take no risk for if the "Hogan System" is not entirely satisfactory we refund all the money—we hold nothing back. Think it over and then write us for full particulars and price. Mailed free.

THE WALTER HOGAN COMPANY,
17 Nat'l Bank Bldg., Fergus Falls Minn



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use Page Poultry Fence. Why? Because it is built for service. Fences poultry in, stock out. Properly erected, it outlasts the posts. Does not sag nor sag. Requires no boards, few posts. Fits any surface and doesn't obstruct the view. Ask us about it.

Page Woven Wire Fence Co., Box 5870, Adrian, Mich.

THE CHICAGO SHOW.

The Tenth Annual Show of the National Fanciers' and Breeders' Association will be held in the Chicago Coliseum, January 22 to 27 inclusive, 1906. Mr. E. B. Eddy is President; Mr. E. J. W. Dietz, Vice-President; Mr. Geo. G. Bates, Treasurer, and Fred L. Kimmey, Secretary.

The active work of the enterprise has been delegated to committees, as follows: Mr. Dietz, Mr. Kline and Mr. Hill, finance; Mr. White, Mr. Bates, Mr. Muir and Mr. Wagner, judges and specialty clubs; Mr. Muir, Mr. Draper and Mr. Wickey, premiums; Mr. Morse, Mr. Eddy and Mr. Kline, advertising; Mr. Kimmey, Mr. White and Mr. Eddy, concessions, and Mr. Wickey, Mr. Dietz, Mr. Muir and Mr. Wagner, protests.

All communications regarding matters pertaining to the show should be addressed to the secretary.

FRED L. KIMMEY,

Secretary,

Room 500, 325 Dearborn St., Chicago, Ill.

OPEN FRONT HOUSES FOR HEALTH.

It is our experience that poultry will do best in houses having a roosting room, with scratching sheds in front. Our medicine consists of plenty of fresh air, clean water and charcoal at all times combined with clean quarters. It is a mistake to think that Leghorns will not stand above treatment if fed food producing warmth. Our youngsters after they leave the brooders are at once put in open-front colony houses and we can heartily recommend same. White Star Poultry Farm, So. Amboy, N. J.

USEFUL HINTS.

I find that a small amount of black pepper added to every other feed given young chicks, the first week, will prevent bowel trouble.

Salt the mash, as for human food, and you will find it has a wonderful whitening effect on all white plumage fowls. Feed white corn, wheat, oat-meal and barley for "snow-drift" plumage. Mrs. T. F. Leonard, Mt. Sterling, Ohio.

NEW ROUTE TO LOS ANGELES.

Daily Tourist Cars via the Salt Lake Route. Through tourist sleeper to Los Angeles leaves Union Passenger Station, Chicago, 5:15 p. m. every day. Route—Chicago, Milwaukee & St. Paul railway, Union Pacific and the new San Pedro, Los Angeles & Salt Lake railroad. Rate for double berth, Chicago to Los Angeles, \$7.

F. A. MILLER,

General Passenger Agent, Chicago.

BARBED WIRE FENCES.

The man who uses ordinary soap for shaving will soon find out how a horse feels when he gets mixed up with a barbed wire fence. You can buy a new horse but you cannot buy a new face, no matter how irritated or blotchy it gets or how badly it itches. Avoid laundry or toilet soap for shaving as you would a barbed wire fence. Williams' Shaving Soap is made especially for shaving and in another column of this paper is an offer of a free trial sample. "For the sake of your face, try it."

Wilber Bros., of Petros, Tenn., the Single Comb White Leghorn breeders, write very enthusiastically of their new birds, which they believe the grandest flock of youngsters they have ever raised, and are suitable for breeding and exhibition purposes.

White Leghorn Cockerels For Sale

226 egg strain, trap nests, \$1, \$2, \$3 each; Wyckhoff, Blanchard, Mason, Waterville, N. Y. strains. No culs. Cut Clover 80 cents per 100 lbs. G. H. KINZEL, Glen Lee Poultry Farm, Winchester, Va.

GRITLESS POULTRY FEED

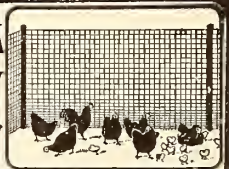
Premium Scratching Feed	per 100 lbs.	\$1.25
Premium Hen Feed (no grit)	per 100 lbs.	1.25
Premium Laying Feed	per 100 lbs.	1.25
Premium Chick Feed	per 100 lbs.	1.35
Premium Forcing Mash Feed	per 100 lbs.	1.25
Premium Pigeon Feed	per 100 lbs.	1.50
Premium Alfalfa Mash	per 100 lbs.	1.25
Premium Molting Feed	per 100 lbs.	1.25
Premium Plain Mash	per 100 lbs.	1.25
Premium Beef Mash	per 100 lbs.	1.50
Premium Morning Mash	per 100 lbs.	1.25
Premium Alfalfa Meal	per 100 lbs.	1.25
Premium Canadian Peas	per bushel	1.50
Premium Sun Flower Seed	per 100 lbs.	4.00
Premium Granulated Charcoal	per 100 lbs.	1.50
Premium Granulated Bone	per 100 lbs.	1.75
Premium Beef Scraps	per 100 lbs.	2.15
Premium Cracked Corn	per 100 lbs.	1.25
Premium Wheat Bran	per 100 lbs.	.85
Premium Cow Feed	per 100 lbs.	1.25
Premium Horse Feed	per 100 lbs.	1.25
Premium White Kafir Corn	per 100 lbs.	1.25
Premium Millet Seed	per 100 lbs.	1.50
Premium Chicken Wheat	per bushel	.85

W. F. CHAMBERLAIN

314-316 N. COMMERCIAL ST.

CASH WITH ORDER ST. LOUIS, Mo.

Union Lock Poultry Fencing



PICKETS LOCKED IN CABLES

Can't slip, but stretches perfectly to fit uneven ground. Fine meshes at bottom for little chicks. High as you want, 1 to 7 ft. A poultry fence for all fowls that does not sag.

We sell direct to Farmers and Poultrymen. Prompt Shipments at Factory Prices. Mills in Connecticut, Illinois, California. Write for catalogue.

CASE BROS., 28 Main St., Colchester, Conn.

HOW TO KILL



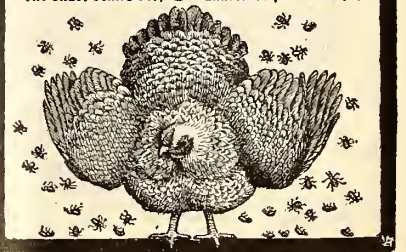
ALL THE LICE

As lice breathe through their sides the quickest way to exterminate them is by suffocation. Fumigating or dipping fowls is dangerous to sight and breathing and ruinous to health. Dusting with a

LIGHTNING LICE KILLING MACHINE

Is the only safe method. Cannot harm eyes, lungs, feathers; delicate chicks or broody hens—they like it better than a dust bath. Cleans 100 to 150 fowls or 300 chicks in an hour. Kills all the lice whether they hide under the feathers of the neck, hackle, wings or vent. No greasing—clean and easy to handle. Send for free catalog and book of poultry facts.

The Chas. Schild Co., 2 Frankfort St., Cleveland, O.



A CORRECTION.

In our list of specialty clubs, published last month, we, through error, located the secretary of the American Buff Plymouth Rock Club at Buffalo, N. Y. This should have read "W. C. Denny, Sec., Rochester, N. Y."

H. P. Rankin of Hartington, Neb., is receiving some very fine complimentary letters regarding stock that he has shipped. Many of these letters speak very highly also of Mr. Rankin's splendid catalogue that he is sending out. C. E. Smith of Hiawatha, Kan., wrote him that the White Plymouth Rock cockerel bought of him is the best he ever owned. Mrs. A. McAllister of Holton, Kan., was very much pleased with the stock she received, and is recommending Mr. Rankin to her neighbors. D. T. Heimlick of Jacksonville, Ill., wrote a letter especially praising Mr. Rankin's catalogue, and a very complimentary letter was also received from D. D. Hall of Omaha, Neb., praising him. W. M. Brown of Forrest City, Ark., was very enthusiastic over a pair of Buff Rocks received from Mr. Rankin.

Separate the weaker chicks from the flock and give them a little extra attention and note the difference in their appearance.

A NEW POULTRY BOOK.

Especially Written and Designed for the Beginners—Sent on Approval.

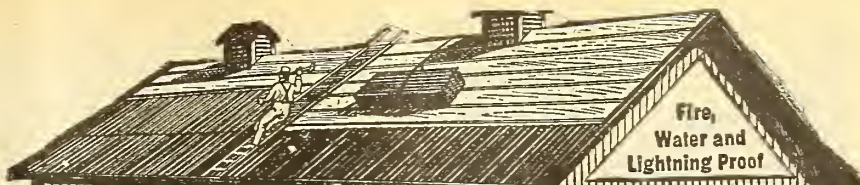
The book treats at length on the great profits in poultry culture, citing many cases where splendid incomes have been made from this fascinating business. It is a well established fact that there is big money in poultry culture. There are thousands of men and women who are earning princely incomes from it, while there are many more thousands who are making a snug little income every year conducting it as a side issue. To make from \$100 to \$1,000 clear profit every year, just in the spare moments, is no small matter with most people. And yet there are thousands who are doing this very thing raising poultry, and this same thing can easily be accomplished by anybody who will conduct it in an intelligent manner. It is just for this latter class that this book has been designed and by following its simple instructions success will be sure and the profits large.

SENT ON APPROVAL.

We want every beginner to read his book and we are willing to send it free on ten days' approval to every man, woman or boy interested who will take the trouble to write to us for it. In order to assist our readers to get this book on approval we print the following coupon, and advise our novice friends to fill it out, cut off, and send it today: Congress Park Poultry Yards, Congress Park, Ill.

Enclosed find 4c in stamps for which please send me on approval, your new book, "Successful Poultry Culture for Pleasure and Profit." If I want the book I agree to send you 50c for it. If I don't want it, I agree to return it to you within 10 days.

Name
Town
State



Steel Roofing, \$1.50 Per 100 Sq. Feet

Painted red both sides; most durable and economical covering for roofing, siding or ceiling, for barns, sheds, houses, stores, churches, cribs, poultry houses, etc.; easier to lay and cheaper than any other material; no experience necessary to lay it—a hammer or hatchet the only tools you need. At this price **WE PAY THE FREIGHT** to all points east of Colorado, excepting Oklahoma, Texas and Indian Territory. At this price we furnish our No. 15 semi-hardened flat steel roofing, sheets 24 inches by 24 inches. At \$1.60 this same material corrugated as shown in illustration, or in "V" crimped, or standing seam. At 50 cents per square advance over above prices we will furnish this material in 6 and 8 feet long; \$2.25 for brick siding or beaded ceiling or siding. Send us your order for immediate shipment. Time will prove its enduring qualities. It withstands the elements the best of all coverings. Ask for further particulars. **WRITE FOR FREE CATALOGUE NO. A. M. 188** on building material, wire, pipe, plumbing material, furniture, household goods, clothing, etc. We buy at **SHERIFFS' AND RECEIVERS' SALES**, 100,000,000 feet of lumber from the World's Fair. **CHICAGO HOUSE WRECKING CO., 35th and Iron Sts., CHICAGO, ILL.**

Partridge and White Cochins

Direct from Madison Square Garden winners, highest awards at Elwood, Jan., 1905. Exhibition specimens a specialty. Write today for lowest prices.

WHEELER & MOORE - - - 1901 South J St., Elwood, Indiana



A GOOD POULTRY HOUSE

is a necessity. Morgan's Sanitary Houses in size, style and price are the best and cheapest houses on the market. Built right, arranged right, sold right. New illustrated catalog. Address

Box 1

SANITARY PORTABLE HOUSE CO., Lemont, Illinois.

DON'T FORGET the WORLD'S FAIR WINNERS

Early choice breeding and exhibition Barred Plymouth Rocks from the grandest hen in the world. Also from her daughters, sisters and sons. If you want size, shape, grand plumage, healthy, vigorous birds, and the best **laying strain in the world**, try some of these which have been raised on a 300-acre farm. Motto: Pleased customers or money refunded. Choice Barred Ply. Rocks, Mammoth Bronze Turkeys, Pekin Ducks and Registered Scotch Collie Dogs for sale. Write your wants early to

MRS. DELLA MAXWELL, The Barred Plymouth Rock Specialist, **R. R. 5, Fayette, Mo.**

PARTRIDGE COCHINS EXCLUSIVELY

HIGH CLASS BIRDS PROPERLY MATED to secure good results. Nothing under \$5. No poor birds shipped. Satisfaction guaranteed. Will refund money, less express, for any bird promptly returned.

W. H. HARRISON, Jr.

TOLEDO, IOWA

WE WANT NAMES

We want YOU to send us the names and addresses of from ten to twenty-five farmers having a few head of stock (cows, horses, pigs) living in the United States. You can send us the names from any number of different post-offices. If you will send us these names we will send you **FOUR BEAUTIFUL PICTURES FREE**. These pictures are reproductions of the most celebrated paintings in the world, and they are of high quality, and we know that you will be pleased and delighted with them; no pictures will be given for a list of less than ten farmers.

We want to send a sample copy of the **RURAL HOME** to a lot of farmers who are not now taking our paper, and that is the reason we want these names.

Send us immediately a list of at least ten farmers and we will send you, **ABSOLUTELY FREE, FOUR REPRODUCTIONS OF THE WORLD'S FAMOUS PICTURES**. Address **THE RURAL HOME**, 20 North William St., New York, N. Y.

8 OUT OF 10 WON.

THE WEST MICHIGAN POULTRY FARM
BANGOR, MICH.

WON

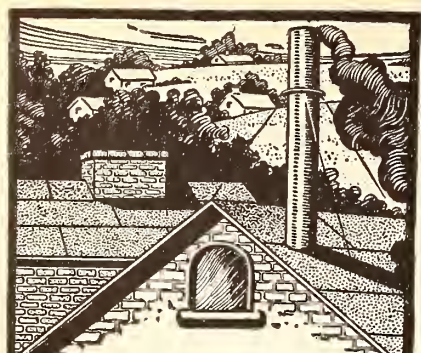
FIRST Cock
FIRST Pullet
SECOND Cockerel
SECOND Pullet

WHITE
WYANDOTTES

FIRST Cock
FIRST Pullet
SECOND Cockerel
SECOND Pullet

White Plymouth
ROCKS

At the West Michigan State Fair, September 19, 1905, in competition with exhibitors and winners at Missouri, Minnesota, Wisconsin, Ohio and Detroit Fairs.



A FEW DOLLARS WORTH OF

Amatite
ROOFING

will roof a fair sized building, and you will have a strong, watertight, never-leak roof that needs no repairs. You can lay it yourself. Free sample on request.

BARRETT MANUFACTURING CO.

New York	Chicago	Philadelphia
Allegheny	Kansas City	New Orleans
Cleveland	St. Louis	Cincinnati
	Minneapolis	

OLD TRUSTY Incubator



Made by Johnson, the Incubator Man. His pride and the only machine he has any interest in now.

California Redwood, Lake Superior Copper, Direct Acting Automatic Regulator.

The Price is Right.

Try Before You Buy

Then buy a certainty. Don't waste time and eggs on experiments. The tried Old Trusty on the Johnson plan makes you sure. New big catalog free. Address

M. M. Johnson Co., Clay Center, Neb.

HARVEY'S CHICK FOOD

An Ideal Food



for chicks just hatched—they grow healthy and strong when Harvey's Chick Food is fed regularly. It is made of selected grains and seeds, combined with other ingredients necessary to an Ideal Chick Food. Catalog tells about this food and full line of poultry supplies. Let us send you one free.

HARVEY SEED COMPANY
30 Ellicott St.
Buffalo, N. Y.

MAKES CHICKS HEALTHY

Standard Bred Wyandottes

PRIZE WINNING

Standard Bred Plymouth Rocks

STOCK FOR SALE

West Michigan Poultry Farm
Bloomingdale, Mich.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—As I am a reader of your very interesting paper, I take the liberty of asking the following questions:

1. What kind of grass is best for small yards intended for penning fowls in for breeding purposes? How is rye?
2. How many barred Plymouth Rock pullets or hens in a pen with a cock for best results?
3. Does line breeding lower the egg production, and is there a book written about line breeding?
4. How is corn, oats and wheat equal parts for this spring chickens when fed ground and dry?
5. Will a house 6x12 feet and 7 feet in front and 5 at the rear room 25 pullets this winter.

J. A. H.
Cedar Falls, Iowa.

Answer:—1. Rye or alfalfa. 2. Ten. 3. The advocates of line breeding claim that it increases egg production. There is no book that we know of on this subject. See article on line-breeding in this issue. 4. This is a good feed at all times. 5. Yes, if properly cleaned and ventilated.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Would you kindly answer the following questions in your question column:

First. What is a good home cure for diarrhoea in little chicks.

Second. I had a hen that to all appearances was quite well on Tuesday morning; Tuesday evening I found her dead on the nest. I cut her open and found an egg which should have been laid that day.

F. M. C.
Cleveland, Ohio.

Answer:—First—Boiled milk and cooked rice, seasoned with cinnamon, are the cheapest and most effective remedies for bowel trouble in chicks. Second—Apoplexy, for which there is no cure.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please tell me in the question department of the next issue of your paper if there is a book published on the Orpingtons, and if so, where can I obtain a copy?

Petersburg, Mich. MRS. G. A. S.

Answer:—Not that we know of.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I have a small flock of thoroughbred S. L. Wyandottes, having range of farm. They are never yarded. My three cocks are selected ones from eggs purchased last year in order to introduce fresh blood into the flock. Will it be wise to keep these with this season's pullets for next year. Under these conditions would line breeding be a correct term?

If it should be needful to increase the number of cocks, would it not be too much of inbreeding to keep this season cockerel selected from my flock?

Will cockerels that are "cousins" to my pullets be entirely safe to use? I wish to keep the flock both pure and vigorous.

J. G.

Answer:—Under the conditions you mention it will be all right to use your

male birds for another season. This is line-breeding as practiced by a large number of fanciers at present. A cockerel mated to his cousins will be all right.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer these questions in "Question and Answer" Department of August JOURNAL.

1. What are line-bred fowls?
2. Is it necessary to change cock every year?
3. If full blood pullets are mated with their father, also a full blood, are the chickens hatched full blood.

Boone, Iowa.

R. W. D.

Answer:—1. It would take too much space in this department to fully answer this question. Read article on line-breeding in this issue. 2. No. 3. Yes.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—I have just read your article in the September issue of the AMERICAN POULTRY JOURNAL, in regard to limberneck. Mrs. I. P., of Washington C. H., Ohio, describes very accurately the symptoms of this dreaded and yet easily avoided disease. In your reply to her question you state that there is no known remedy for this trouble. Now I beg to differ with you in this regard as I have had quite a few cases of limberneck in my flocks and as yet have never lost a bird. As soon as I notice that one of my fowls has limberneck I fill his crop with warm water and as there is usually something in the crop I knead the crop until the food is softened. I then hold the bird head down and allow the water and the food in his crop to run out of his mouth. I next give the bird a teaspoonful of whisky and put him in a quiet corner and in a day or two he will have completely recovered. However, I have noticed that a bird is never as good after he has had limberneck as before. Every one of my birds that has suffered from this disease remains stunted and is always one of the weaklings of the flock. I write this thinking that it may be of some interest to you or your readers.

CARL H. KRIPPENE.

Oshkosh, Wis.

Poultry Pointers

Tells how to feed chicks and all fowls, also use of beef scraps, bone, etc. Its free. Write for it.
Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.

Egg Machines—
hens fed on Pratts Poultry Food. The reason? It makes every organ work and the hen can't help laying. Try it.

POULTRY SUPPLIES



of every description. Prairie State, Empire State and Star Incubators and Brooders Drinking Fountains, Wire Netting, Spray Pumps, White Washing Machines Powder and Liquid Lice Killers, Roup and Cholera Cures, Coudition Powders, Egg Foods, Oyster Shells, Beef Scraps, Dog Cakes and Medicines, and everything necessary for breeding poultry and pet stock. Our Immense illustrated catalogue gives complete list. It is free; send for one.

Excelsior Wire & Poultry Supply Co., Dept. O, W. V. Russ, Prop., 26 & 28 Vesey St., N. Y. City

THE OPEN HOPPER BONE CUTTER.

The staple article of feed for laying hens is green bone. Of other foods there is a great variety in use. Some feed the products of the farm in their unprepared state only. Some rely largely on specially prepared or patent poultry foods. But everybody wants to use green bone. It is beyond question that bone contains in right proportion more of the egg-making materials than any other single substance that can be fed. And in the winter time, and always when hens are confined, these materials must be supplied or it will quickly tell in the egg yield.

This puts to most excellent use the bones which, on the farm and in local markets, would otherwise be thrown to the dogs and afterwards gathered and burned. It has also been the means of perfecting in recent years several makes of bone cutters, one of the best of which is the open hopper cutter manufactured by Humphrey at Joliet, Ill. It is either used as a bone or vegetable cutter. Some of its good points are: There are no partitions in it. It has no springs, split nuts or other complicated parts. There is nothing about it that can break or get out of order. It differs from most bone cutters in that it is exceedingly easy running. Most bone cutters are hard turning, as many users will testify. The Humphrey open hopper has the reputation of being the easiest running cutter made. For this reason it is not necessary to cut or break the bones into small pieces with an ax, as is the case with some bone cutters. One hand is sufficient to operate it. The feed may be regulated to cut as fast or as slow as desired. The bone cutter is one of two machines which Humphrey manufactures for poultry raisers' use. The other is his rapid clover cutter, which is hardly less popular. Both are sold on a very liberal free trial offer to those who are not acquainted with the merits of the Humphrey machines. The Humphrey catalogue, which contains much information for poultrymen, will come free and promptly if you write him at the address given in his advertisement in this paper.

TOO LATE TO CLASSIFY.

BUFF ORPINGTONS—Stock for sale from prize winners. Pens headed by imported cock. Write for circular. Fred E. Wright, 64 West Side, Monmouth, Ill. 10-3

BARGAINS—Write today for our special list, all varieties, Wyandottes, Javas, Cochins, Leghorns, Langshans, Brahmas, Polish, Hamburgs and all Game and Ornamental Bantams. Prices cut to one-half value. Prize winners and breeders must go at once. Pleasant View Farm, Horseheads, N. Y. 10-3

ANCONA CHICKENS—\$25 for trios. Fine birds. Mrs. L. A. Peacock, Rural No. 5, Lansing, Mich. 10-1

FOR SALE—Will sell my Engl. setter; well broken, excellent hunting dog. Price \$100. Will trade for some fine chickens. F. W. Meyer, Norfolk, Va. 10-1

A MARVELOUS strain of Buff Cochins. Marvellous form, massive, globular type. Marvellous color, rich, golden buff. Marvellous feathering, profuse yet soft. Line bred from New York and World's Fair winners. Stock for sale. Write wants. E. J. Fish, Strongsville, Ohio. 10-3

AMERICAN BEAUTY strain Barred Rocks. Fifty cockerels for sale, \$2 each. Eggs in season. Parkin Scott, Ashland, Va. 10-1

WANTED—For cash, 1,500 pure bred Pekin Ducks, 1905 hatch. State strain. Also Homers. Stamp. Fairacres Farm, Joliet, Ill. 10-1

HOGLE'S COMPOUND SPONGIA TABLETS

Prepared especially for the prevention and cure of **ROUP**
The Most Effective and Easily administered Remedy.

A combination of several homeopathic remedies calculated as a whole to effect cures of the different forms of Roup each one of the remedies contained in the Tablets affecting one or more of the different forms, and none of them combining with the others. Thus the Tablets as a whole can be used with beneficial effect on any case of roup that has not reached a stage that is incurable. 35c. per box postpaid; 3 boxes, \$1. Liberal discount to agents and supply dealers.

1029 Benson Ave.
Evanston, Ill.

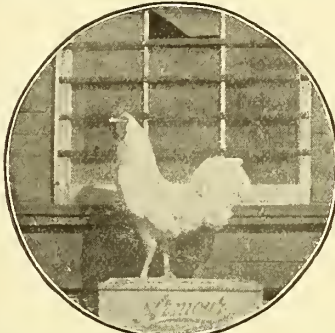
\$33.00 TO THE PACIFIC COAST.

Chicago, Milwaukee & St. Paul Railway.
\$33, Chicago to San Francisco, Los Angeles, Portland, Seattle, Tacoma and many other points on the Pacific coast. Every day until October 31. Double berth in tourist sleeper, \$7. Descriptive folder free. Choice of routes via the Chicago, Milwaukee & St. Paul railway.

F. A. MILLER,
General Passenger Agent, Chicago.

Mr. C. H. Snyder, Webster, Pa., is desirous of securing a pair of good bloodhound pups. Can any of our readers tell him where he can procure same?

The West Michigan Poultry Farm of Bangor, Mich., simply swept the deck at the Grand Rapids Fair. They had five White Wyandottes entered and took two firsts and two seconds, and on White Rocks with five birds they took also two firsts and two seconds. They have been a number of years breeding thoroughbred poultry and last fall made their first showing at Chicago, taking a winning in White Wyandottes on three birds entered. Their plant is near Bangor, Mich., but a rural delivery reaches them from Bloomington, and this accounts for either place being their address.



First prize R. C. White Leghorn cockerel, New York, 1901. Owned by Rocky River Poultry Co., Chicago, Ill.

Remember that the poultry of the country is one of the very largest and most valuable crops—something to be proud of.

It is rumored that the services of Mr. John Wharton, the noted English Wyandotte breeder and judge, has been secured for the coming New York show.

We have decided to again start our Monthly Prize Article Department, which proved so popular two years ago, full particulars of which will be found on the editorial page of this issue.

The cash prizes we are offering for articles on different subjects are worth trying for.

There is no such thing as too much poultry. If the yards are crowded, there is always room at the market.

INQUIRIES FROM ALL THE STATES, CANADA AND AUSTRALIA.

Vandalla, Mo., May 13, 1905.
Editor AMERICAN POULTRY JOURNAL.
Dear Sir: * * * Your circulation must surely be good, as it brings me inquiries from all the States and Canada, also a few from the other side of the world, the last from Australia. Yours respectfully,
E. E. Vanatta.

TREES THAT GROW

Hardy varieties; yield big crops. Grafted Apple, 45c; Budded Peach, 30c; Black Locust Seedlings, 81 per

1000; Concord Grapes, \$2 per 100. We pay the freight. Catalog, English or German, free. GERMAN NURSERIES Box 14, Boaz, Neb.

BARRED ROCKS Exclusively

I have several good yearling cocks (exhibition birds), some good hens (breeders), and a lot of promising chicks for sale. Write your wants, Mrs. TILLA LEACH, 1 Main St., Cheneyville, Ill.

BUFF PLYMOUTH ROCKS.

Prize winners since 1893: World's Fair, New York, Troy, N. Y., Rochester, N. Y., Boston, Mass. Continuously line-bred since originated. 1904-5 Solid Golden Buffs. Write J. D. Wilson, Box P, Worcester, N. Y.

EXPRESS PAID

...ON...

White Wyandottes

Jackson and Promoter Strains direct. Choice cockerels from our best matings \$3 to \$10 each. Satisfaction guaranteed.

H. P. Sheldon Box 24, Livonia, N. Y.

Sullivan's Houdan's

Rose Comb and S. C. B. Leghorns take premiums wherever shown. Bred especially for show purposes. If you want some fine show birds write me your wants. My prices are reasonable. Eggs in season.

R. J. SULLIVAN Sheldon, Illinois

NO BOAST

When the claim is made that the **Iolink Strain** of White Wyandottes is the best utility strain in the country. Bred for eggs and meat. 200-egg strain. Trap nests used.

J. HARRY WOLSIEFFER, Prop. and Mgr.

Iolink Poultry Farm, R. F. D. 1, Egg Harbor City, N. J.

"Ringlet" Barred Rocks

A fine lot of birds, GRAND in color and barring. One judge said they were the best he had seen this season. They are certainly beauties. Satisfaction guaranteed.

ARTHUR R. PROBST POMEROY, OHIO

A Wonderful Strain of

Buff Cochins

None other possesses such perfect Cochins form, (that massive, globular type), such profuse, yet soft feathering, such color, such size. Bred in line for twelve years.

Parties wanting the best to be had, to win and breed winners, should send for our handsome free booklet and state wants.

H. N. HANCHETT, Jackson, Michigan

BIG SUCCESS WITH HOGS.

SOME farmers are more successful with hogs than others. The man that only gets 8 lbs of pork out of a bushel of corn fed to hogs makes only half as much as the man that gets 18 lbs.

The American Swineherd is a specialist and the best authority on the hog industry.

The greatest success results from concentrating all efforts upon one line.

Three-fourths of the farmers waste a third of their feed given to hogs because they do not understand the best methods.

The American Swineherd teaches you how to be successful.

How to secure the greatest profits.

How to feed, to double the growth and gain over usual methods.

How to keep your hogs healthy, as only healthy ones are profitable.

How to get 18 pounds of pork out of a bushel of corn, and 20 pounds out of a bushel of wheat, fed to hogs.

Prof. Kennedy of the Iowa Agricultural College says: "Your paper is a leader on feeding."

One man writes: "A single instructive lesson in the Handbook on Hog Hygiene" saved me \$50 in feeding a hunch of 40 hogs 60 days over the ordinary way of feeding. It is the best investment I ever made."

Every owner of hogs should take advantage of this special offer:

Send us \$1 for two years' subscription to the American Swineherd and it will entitle you to a free copy of the Hand Book on "Hog Hygiene," with trade secrets, recipes, valuable information, etc. If the offer is accepted in ten days we will send you in addition "The Pig Feeders' Manual," worth a \$1 itself.

This equips you for a successful hog business.

AMERICAN SWINEHERD
Como Bldg., Chicago, Ill.

BREEDERS FOR SALE

Barred Plymouth Rocks, White Wyandottes and Bronze Turkeys. Exhibition and breeding birds are ready to go at farmers prices. They have free access to the farm range, and are beauties. Write and get my prices before buying.

WARREN SLOAN Elderado, Ill.

TIERNEY'S BEST BRAND GROUND BEEF and BONE

contains the proper constituents for the production of eggs and the health of the fowls. 50 lb. bags \$1.50; 100 lb. bags \$2.50. We also handle crushed oyster shell, cut clover, Mica Grit, ground green bone, etc.

B. TIERNEY & SON Plattsburg, N. Y.

Hillcrest Poultry Yards

DINSMORE & CO., Props.

Kramer, Indiana

Fancy and utility White Wyandottes. Surplus stock all sold. EGGS in season \$2 per fifteen.

WHITE WYANDOTTE MALES

that will improve your flock.

THE K-G POULTRY YARDS
Circleville, Ohio

Cheap Grit



Don't pay high prices and freight on grit. Get a

HUMPHREY

Grit Mortar

and make your own grit from stones, broken crockery, etc. Price only \$3. Send today for free catalog of bone cutters, clover cutters, brooders, etc.

HUMPHREY,

Burr St. Factory, Joliet, Ill.

THE KEEPING OF POULTRY HOUSES AND YARDS IN A SANITARY CONDITION.

The old saying that "cleanliness is next to godliness" can nowhere be better illustrated than upon the poultry farm, and there especially at this time of the year must the poultryman be upon the alert.

Perhaps the poultryman's greatest annoyance is the different kinds of vermin with which he has to contend, and of these pests I have in my experience found the small mites which infest so many poultry buildings, to be the worst.

Again I will quote an old saying that "an ounce of preventive is worth a pound of cure," which is only another way of saying that poultrymen should do all in their power to prevent these little pests from getting a foothold upon their premises.

So many of the owners of small flocks are apt to neglect their fowls at this, the "rush of the season," and think, "well, it will not matter if my poultry house goes one or two days without cleaning," but this is the point exactly. Be thorough in all of your poultry work.

Clean the dropping boards every morning and sprinkle with land plaster, sifted coal ashes or fine chaff, and once a week clean the buildings thoroughly and spray the interior with kerosene oil or some good disinfectant which you have tried and know to be effective.

In my experience I have found that a liberal sifting of air-slacked lime over the walls, floors, perches and nests is very effective, for it is a known fact that lice cannot live in dust, which closes the breathing pores of their bodies and smothers them.

The nesting material should be changed once a week and the old material burned, in order that all mites will be destroyed if any chance to be in the nests.

Examine the fowls occasionally and if any lice are found upon them, dust the

whole flock with some reliable powder and watch closely for results, closely examine them again in a few days, and if lice are still found, give them a second dusting. This will generally prove effective.

The condition of the yards is another important point to be considered, and unless they are well cared for and cultivated occasionally they are apt to become filthy, and thus affect the health of your fowls, and of course the profits will stop at once.

A good plan to keep the fowls active is to scatter the grain feed over a portion of the yard in the morning and rake or cultivate it under. This will keep them exercising a good portion of the day.

It is also important to keep a part of the yard to grass or grain to supply the fowls with green food. Otherwise it will have to be supplied from some other source and make an addition to the expense of keeping.

Where plenty of land is available it is advisable to have two yards for each pen of fowls, giving the hens the run of the yards on alternate years, while in the yard not in use can be raised a profitable crop, such as sugar beets, cabbages or sunflowers for winter feed.

L. W. RICHARDSON.

Hammond, N. Y.

PRACTICE WHAT YOU PREACH.

It is not always the man who can write the best article on the chicken business who actually raises the best chickens, but oftener the man who has brains enough to learn what to do and then does it. Theories that ought to work well in a hen's gizzard do not always fill the egg basket to overflowing and air castles are poor things to winter chickens in. And it is better to spend a little time cleaning out your own coops than to spend it all telling the other fellow how to clean his. E. L. Keith, Mt. Vernon, Ia.

\$6.25 Worth of O. K. Poultry Supplies For \$5.00 Freight Prepaid

To get you to test our goods we are making this special offer for a limited time, and will prepay the freight to any railway station east of the Missouri River and north of the Ohio River on the following list:

1-10 lb. Pail O. K. Poultry Food.....	\$1.25
1-50 lb. Sack O. K. Hen Feed.....	1.50
1-15 lb. Sack O. K. Meat Mash.....	.45
1-100 oz. Pkg. Lambert's Death to Lice Powder.....	1.00
1-Jumbo Powder Gun.....	.25
1-3 oz. Box Lambert's Death to Lice Ointment.....	.25
1-16 oz. Package Lambert's Death to Lice Special.....	.25
1-qt. Lathrop Drinking Fountain with Tripod.....	.55
1-Lambert's Poultry Marker.....	.25
1-Volume "Why Poultry Pays" or "How to Build Poultry Houses" (your choice).....	.50

Total..... \$6.25

Send draft or money order with your order for goods. Personal checks not accepted. You must do it now, as this offer is not good after Oct. 31, 1905. This list comprises everything essential to successful poultry raising, and everything is of high quality.

O. K. POULTRY FOOD is a condimental and tonic preparation unsurpassed in quality. O. K. HEN FEED is a balanced ration to be used as a scratch food, while O. K. MEAT MASH, as its name indicates, is to be slightly wet with water or milk and fed as any mash should be. Fed with O. K. POULTRY FOOD hot in the morning, and O. K. HEN FEED in the evening, it will keep your fowls in prime condition and bring excellent results. LAMBERT'S DEATH TO LICE POWDER—to be dusted over the fowls and nests—is today the leading preparation of its kind in the United States. LAMBERT'S DEATH TO LICE OINTMENT is positive death to head lice and a sure cure for scaly shanks.

LAMBERT'S DEATH TO LICE SPECIAL is a powder to be mixed with whitewash or kerosene for painting the woodwork of coops and stables—a fine disinfectant. This is the most liberal offer ever made by any poultry supply house, and made solely to introduce "O. K." goods, which we know will give perfect satisfaction and make permanent customers of those who want good, dependable poultry supplies.

This is an opportunity to secure the best value for your money of the year. It's a bargain or we would not limit the time to October 31st. A chance to get \$6.25 worth of good goods for \$5, freight paid. Order today.

Address Dept. A, THE O. K. STOCK FOOD CO.

324 Dearborn St., Chicago, Ill.



THE USE OF GREEN FOOD.

A discussion has recently sprung up among poultrymen as to the real office of grit. A new theory is advanced, namely, that grit is not solely nor principally valuable to enable fowls to grind their food, but that from it fowls extract a valuable and necessary article of diet. For example, the coloring matter for the feathers, it is alleged, is derived wholly from this source. This tends to overturn a long accepted theory. But for practical purposes, the poultryman need give himself no concern. All agree upon the necessity for using grit for some purpose, just the same as they agree upon the great value to be derived from the use of green stuff for inducing laying of eggs.

A discussion on this latter subject indeed would be much more profitable. Not that there are two sides to the question, but its importance should be urged and brought home in season and out upon poultry raisers everywhere. A good many do not seem to realize the great good to be derived from supplying hens with clover or alfalfa in the winter time. Some who appreciate its value do not seem to understand how to prepare it for use.

A man who is working great good along this line is Humphrey, the Joliet, Ill., poultryman. He is not only constantly singing the praises of green foods for hens, but he supplies the means for its right preparation. His Rapid Clover Cutter has come to be an article of necessity in hundreds of leading poultry plants. It cuts clover, alfalfa and any like substitute green food in most satisfactory manner. The cutting is done rapidly and the pieces are of uniform short length, one-eighth inch lengths being what he advocates as best. Screens are provided which prevent anything longer than one-eighth inch getting past the knives. The Humphrey cutter is a good machine. People who have not been using green food should investigate it. This will at the same time put them in touch with the man, and enable them to imbibe some of his enthusiasm over the use of clover, alfalfa, etc. He is one of our regular advertisers. Address him as directed in an advertisement found elsewhere in this paper.

THE OVERLAND LIMITED.

To California in Less Than Three Days. The Overland Limited leaves Union Passenger Station, Chicago, 6:05 p. m. every day. Route—Chicago, Milwaukee & St. Paul railway, Union Pacific and Southern Pacific. Less than three days via Chicago to San Francisco via Omaha. Descriptive folder free.

F. A. MILLER,
General Passenger Agent, Chicago.

A FREE SAMPLE OF HIGH GRADE READY ROOFING.

Elsewhere in this paper will be found an advertisement of AMATITE Roofing, which many of our readers have already used. It comes in rolls so that any one can lay it easily. Sufficient nails and cement to complete the job are placed inside of each roll. Its price is exceptionally low, and it is just the kind of a roof that a thrifty farmer will appreciate. A free sample and interesting booklet will be sent for the asking to any of our readers who will write at once. Address the Barrett Manufacturing Company at any of the following offices: New York, Chicago, Allegheny, Kansas City, Cincinnati, Philadelphia, Cleveland, Minneapolis, New Orleans, St. Louis.

THERE'S A BIG DIFFERENCE.

Laundry soap is intended for coarse work, such as washing clothes. Toilet soap is suited to taking the dirt from the skin. Shaving soap is different—or ought to be. It should thoroughly moisten the hairs, hold them firmly against the razor and then leave the skin smooth, cool and velvety. Williams' Shaving Soap will do just this. The J. B. Williams Co., Glastonbury, Conn., have made a specialty of shaving soap for nearly three-quarters of a century, and it is the "only soap fit for the face." In another column they offer to send a free trial sample. Be fair to your face and send for it.

H. H. & E. M. Coburn, Memphis, Mich., will soon have a neat catalogue ready for customers for the asking. Don't fail to get one, for you will find something interesting about their Silver Penciled and Columbian Wyandottes and their S. C. Buff and White Leghorns.

BRAND YOUR POULTRY.

It's easy to keep records of special breeds and to keep chicks and hens separate. A great many poultrymen procrastinate on this point and regret it when a chance for a good many dollars in profit has slipped by. Then they wish they had put on their young chicks the "Ideal Leg Band" made by Frank Myers, Freeport, Ill.

It's made of aluminum; can't come off until removed intentionally by owner. No fuss to put it on—as quickly taken off. It cannot rust or break off. The lock is firm and strong. The band being aluminum, it never can get sharp and irritate the scales on a fowl's leg.

The prices of the Ideal Bands are so reasonable that poultrymen everywhere can supply themselves at a merely nominal cost—12 for 15 cents; 25 for 30 cents; 50 for 50 cents; 100 for 75 cents.

Mr. Myers sends his sample band and circular on Barred Plymouth Rocks for 2 cents to any reader of this paper.

DRY FEEDING NOT THE ONLY WAY.

Dry feeding has been strongly advocated, especially the use of Steinmesch Extra Quality Quick Meal Chick Feed. But as the birds grow, and especially for matured fowls, a morning mash made up of the right kind of feed and properly proportioned and properly fed is part of the success of the chicken business. Steinmesch Early Breakfast Mash is prepared under the personal supervision of Mr. Henry Steinmesch, one of the most experienced poultry men in the country. There is no secret about this feed; it is made up of choice winter wheat bran, large and flakey middlings, kafir corn meal, alfalfa meal, linseed meal, cotton seed meal, crushed oats, beef meal, bone meal, charcoal, etc. Any one having the ingredients and the knowledge of how to properly proportion them and the facilities for blending, can put it up as well as they can. This feed is a forcing feed and a conditioning feed and a fattening feed all in one: nothing like it on the market. It is really indispensable for growing chicks and moulting fowls and the price is so reasonable that every one can afford to buy it. A great big 100-pound sack for \$2.00 will feed 50 chickens 40 days. See ad on another page and don't hesitate to send for free circular.

PERSONALLY CONDUCTED TO CALIFORNIA.

Via the Chicago, Milwaukee & St. Paul Railway.

Leaves Union Passenger Station, Chicago, 10:25 p. m., Tuesdays and Thursdays, for Los Angeles via Kansas City, Pueblo and Salt Lake City. Judson tourist car parties via the Chicago, Milwaukee & St. Paul railway. A comfortable, inexpensive and enjoyable way of crossing the continent. Tickets for double berths, Chicago to California, \$7.

F. A. MILLER,
General Passenger Agent, Chicago.

KEHOE, KY., Sept. 10, 1905.
Editor AMERICAN POULTRY JOURNAL, Chicago, Ill.

Dear Sir: * * * I have not raised as many Black Breasted Red Games this season as usual, but what I have raised are the finest specimens I have ever sold. Last spring I purchased a fine brood cock at what my neighbors called an enormous price, \$11, but now I see that I purchased him very cheap, as his offsprings are simply elegant. I expect to take larger space of advertising next season, as I sold fine lots of eggs at \$2 per sitting. Thanks to my little half-inch in your valuable paper this year. Wishing you success, I am,

Yours truly,

ORVILLE D. CHINN.

At the Indiana State Fair, Sept. 11-16, 1905, C. S. Byers, Hazelrigg, Ind., made the following winnings on his Orpingtons: S. C. Buffs, 1st cock, 2nd cockerel, 2, 3 pullets, 1st pen; S. C. Whites, 1st cock, 1, 2, 3 hens, 1, 2, 3 cockerels, 1, 2, 3 pullets, 1st, 2nd pens; S. C. Blacks, 1st cock, 1, 2, 3 hens, 1, 2, 3, cockerels, 1, 2, 3 pullets, 1, 2 pens.

The attention of our readers is called to the advertisement of George L. Harding, Binghamton, N. Y., who makes a specialty of poultry foods and remedies. Mr. Harding is too well known to readers of AMERICAN POULTRY JOURNAL to need further comment. Send for his free book, "What to Feed and How to Feed It," and mention AMERICAN POULTRY JOURNAL.



MONEY-SAVING POULTRY SUPPLIES

MAKE YOUR PROFITS LARGER

Cheap and inferior goods will never pay you. We have the best selected stock of supplies in America. Jewel Chick Feed is fast taking the place of all other grain food. It does the work. Chicks live and grow like weeds. Our Alfalfa Meal and Beef Scraps are superior goods. No other brands equal them.

We carry full line of Coops, Egg Boxes, Spray Pumps, Drinking Fountains, Feed Boxes, Grit Shells, Beef Meal, Midland Food, Granulated Bone, Blood Meal, Louse Powder and Paint. Our prices are right.

Send for our catalog, it is of value to you.

POULTRY SUPPLY DEPARTMENT—Box "E"

INTERNATIONAL STOCK FOOD CO.
Minneapolis, Minn.

POULTRY PAYS



when the hens lay. Keep them laying. For hatching and brooding use the best reasonable priced Incubators and Brooders—built upon honor, sold upon guarantee.

THE ORMAS
BANTA MFG. CO., Ligonier, Indiana.

Brooks' Sure Cure FOR RUPTURE



Brooks' Appliance. New discovery. Wonderful. No obnoxious springs or pads. Automatic Air Cushions. Binds and draws the broken parts together as you would a broken limb. No salves. No lymphol. No lies. Durable, cheap. Pat. Sept. 10, '01. SENT ON TRIAL. CATALOGUE FREE.

BROOKS APPLIANCE CO., Box 245 MARSHALL, MICH.

Asthma

Climates wear out. Smokes, Sprays and "Specifics" only relieve symptoms; they cannot cure. Our constitutional treatment removes the CAUSES of Asthma and Hay Fever from the blood and nervous system. Our patients enjoy life without the slightest return of symptoms. Appetite improved, blood enriched, nerves strengthened, health restored. Book 58F free, explaining our methods, with reports of many interesting cases. P. Harold Hayes, Buffalo, N. Y.

For Only 75 Cts.

We Send

AMERICAN

Poultry Journal

One year, and a copy of the book entitled

200 EGGS A YEAR PER HEN

The demand for this book has been so great that the third edition has been exhausted, and a fourth edition of 5000 copies has just been printed. It tells how to get the greatest number of eggs at the lowest possible cost. Send orders direct to

American Poultry Journal Pub. Co.
325 Dearborn St., Chicago, Ill.

FINE YOUNG BUFF ROCKS

From high scoring stock for sale.

F. WHALEY TURNEY, MO.

Doane's Minorcas

are farm raised. Eggs from best matings \$1.50 for balance of season. Orders from ad direct promptly filled.

J. H. DOANE, Lock Box D, Gouverneur, N. Y.

PLANE'S S. C. W. LEGHORNS

Are specially mated for egg production, while their show record proves them to be superior in exhibition; my customers winning all over the country.

JOHN C. PLANE, Belvidere, Ill.

Member National Single Comb White Leghorn Club.

Buff Wyandottes and Barred Rocks

Special bargains in breeding pens.

G. R. MORRIS LANARK, ILL.

Poultry Printing

Send 4c. for complete samples; they will show you how to create business. 250 Fair Cards, \$1. postpaid. John Engle, Jr., 90 Komorn St., Newark, N. J.

Poultry News Formerly New Brunswick, N. J., now Newark, N. J. Sample copy interesting news free. 25 cents per year.

The Real Thing

McClave's matchless prize winning White, Golden and Silver Wyandottes, Barred and White Rocks, White and Brown Leghorns, Black Hamburgs, Lt. Brahmas, Langshans, R. C. B. Bantams, big Bronze Turkeys, White and Naraganset Turkeys, all standard varieties of Geese and Ducks, and Scotch Collie Shepherd Dogs. Prices reasonable. Best quality. Write.

CHAS. MCCLAVE Box 746 New London, Ohio.

AUTOCRATS OF SHOW ROOM AND UTILITY...

Black Minorcas—W. P. Rocks

Make a sweeping win at late New York Madison Square Garden Show. Four 1sts, two 2ds, including 1st pen on Rocks. Grand total eight 1sts and one 2d out of possible 10 1sts in largest and strongest classes each variety ever shown in Garden. Grand chicks and pullets inbred direct from the winners after September.

Greystone Poultry Farm, Yonkers, N. Y.



Wiebke's S. C. Brown Leghorns

Chicago, Ill., January, 1905, 2d cock, 2d, 3d cockerel, 1st pullet, 1st pen, 10 specials on 8 birds. Madison Square Garden, Jan., 1905, 1st cock, 3d pullet. Winners of 30 1sts at Chicago, Indianapolis, Cleveland, Ft. Wayne. Eggs \$2 and \$3 per sitting. Circular free. W. H. WIEBKE, Box P 2001, Ft. Wayne, Ind.

THE IMPROVED CHAMPION LEG BAND

125 PAT. APPLIED FOR

Aluminum or copper, two sizes, adjustable to fit any fowl. Held by double lock. They can't lose off. Initials, 10 cents per 100 extra. Also Pigeon Bands.



THE SUPERIOR

is securely locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind, No. 10 to suit, 12, 15c; 25, 30c; 50, 50c; 100, 80c. Sample for stamp. Circular free.

T. CAOWALLADER, Box 502, Salem, Ohio

U WANT TO BUY MY WHITE WYANDOTTES TO BE PLEASED WITH THEM.

This year I have only a limited number of stock for sale, but they are a little better than ever shipped before. Almost every bird a prize winner. The Maple Side strain of W. Wyandottes have for 10 years given satisfaction, and won more than their share of prizes. The birds I offer this year are the same of perfection. Tell me your needs and let me quote prices. Have I said enough?

MAPLE SIDE POULTRY YARDS

Chas. Nixon, Prop., Box 202, Washington, N. J.

I WANT THE MONEY YOU INVEST TO ALWAYS PLEASE YOU

Poultry Show Dates For 1905-6.

[We would be pleased to have the Secretaries of poultry show notify us of any errors or changes in the following list, as it is our desire to make this as near correct as possible.]

- Oct. 2-7—Cedar Rapids, Iowa. Shellabarger, judge; S. D. Smith, secretary.
Oct. 5-12—Portland, Ore. Poultry and pet stock exhibition held in conjunction with the Lewis and Clark Centennial and American-Pacific Exposition and Oriental Fair. Judges: George D. Holden, Theodore Hewes, C. G. Hinds, Ross C. H. Hallock, F. W. Downing, W. H. Ladd, H. H. Collier, J. Wilkinson. C. T. Hunts, secretary, Portland, Ore.
Nov. 13-17—Garnett, Kan. Hattie A. Weld, secretary.
Nov. 14-17—Greenfield, Ill. W. S. Russell, judge; H. C. Smith, secretary.
Nov. 16-18—Warsaw, Ill. W. S. Russell, judge; Paul Heise, secretary.
Nov. 20-22—Newton Falls, Ohio. Ira C. Keller, judge; C. H. Herner, secretary.
Nov. 20-25—Gloversville, N. Y. Stanton, Zimmer, Drevenstedt, judges; Jacob N. Blunck, secretary.
Nov. 21-23—Forrest, Ill. S. B. Johnston, judge; Clyde Johnston, secretary.
Nov. 21-24—West Haven, Conn. Nichols, Lambert, judges; E. J. Crawford, secretary.
Nov. 21-24—Tabor, Iowa. W. S. Russell, judge; E. H. Harrison, secretary.
Nov. 21-24—Muscatine, Iowa. B. S. Myers, judge; F. M. Zeigler, R. F. D. 7, secretary.
Nov. 21-25—Tarkio, Mo. Thompson, judge; Gussie White, Fairfax, Mo., secretary.
Nov. 22-25—Holyoke, Mass. Felch, Ballou, Shove, Pierce and Cragline, judges; George Barnett, Jr., secretary.
Nov. 22-25—Milan, Mo. F. H. Shellabarger, judge; J. A. Niblo, Jr., secretary.
Nov. 22-25—Carthage, Mo. C. H. Rhodes, judge; C. A. Emry, secretary.
Nov. 23-24—Elsberry, Mo. Shaner, judge; M. P. Elsberry, secretary.
Nov. 23-25—Warsaw, Ky. W. C. Pierce, judge; O. A. Bogardus, secretary.
Nov. 24-25—Lampasas, Tex. Savage, judge; L. R. Sparks, secretary.
Nov. 27-Dec. 2—Erie, Pa. W. C. Pierce, judge; F. E. Thompson, 451 West Tenth street, secretary.
Nov. 27-Dec. 2—San Francisco, Cal. Holden, Orr, Burgott, Berran, judges; J. C. Williams, 25 New Montgomery street, secretary.
No. 28-Dec. 1—Moline, Ill. J. M. Rapp, judge; Oscar Hogberg, 1409 Fourteenth street, secretary.
Nov. 28-Dec. 1—Boonville, Mo. D. T. Heimlich, judge; Charles Miller, secretary.
Nov. 28-Dec. 1—Fairfield, Iowa. A. B. Shaner, judge; John R. McElderry, secretary.
Nov. 28-Dec. 1—Corfu, N. Y. W. F. Brace, judge; Chas. Phelps, secretary.
Nov. 28-Dec. 2—Great Bend, Kan. I. K. Felch, judge; F. L. Marsh, secretary.
Nov. 28-Dec. 2—Mason City, Iowa. W. S. Russell, judge; M. V. Bickel, secretary.
Nov. 29-Dec. 2—Corvallis, Ore. Robert Johnson, secretary.
Nov. 29-Dec. 2—Sanatoga, Pa. S. J. Kurtz, secretary.
Nov. 29-Dec. 2—Mount Sterling, Ill. Heimlich, judge; E. Hambaugh, secretary.
Nov. 29-30—DeLeon, Tex. Savage, judge; R. T. Bowman, secretary.
Nov. 29-Dec. 2—Dover, N. J. W. H. Bidgood, secretary.
Nov. 29-Dec. 2—Bridgeton, N. J. Louis G. Heller, superintendent.
Nov. 29-Dec. 5—Delta, Ohio. Ira C. Keller, judge; M. B. Hatton, secretary.
Nov. 30-Dec. 2—Spickard, Mo. Adam Thompson, judge; Leon A. Tracy, secretary.
Nov. 30-Dec. 2—Danbury, Conn. Nichols, Drevenstedt, Card, judges; C. H. Brundage, secretary.
Nov. 30-Dec. 3—Jackson, Mich. Travis, Heck, judges; L. H. Hill, secretary.
Dec. 2-6—Union, Iowa. Shellabarger, judge; O. E. Smith, secretary.
Dec. 4-7—Henessey, Okla. Homer A. Pain, secretary.
Dec. 4-7—Antwerp, Ohio. Eugene Sites, judge; C. A. Bissell, secretary.
Dec. 4-8—Marshalltown, Iowa. Theodore Hewes, judge; H. C. Hansen, secretary.
Dec. 4-8—Lancaster, Mo. W. S. Russell, judge; Brice Hays, secretary.
Dec. 4-9—Rolf, Iowa. D. T. Heimlich, judge; A. R. Thornton, secretary.
Dec. 5-6—Easthampton, Mass. D. J. Lambert, judge; W. B. Drury, secretary.
Dec. 5-8—Auburn, Me. Smith, Hawkins, Atherton, Coffin, judges; A. L. Merrill, secretary.
Dec. 5-8—Waverly, Iowa. A. B. Shaner, judge; B. L. Burbank, secretary.
Dec. 5-8—Rising Sun, Ohio. Ira C. Keller, judge; Merle Rearick, secretary.
Dec. 5-8—Leominster, Mass. Atherton, Shove, Hawkins, Woodward, judges; L. D. Mudgett, secretary.
Dec. 5-8—Walden, N. Y. Drevenstedt, judge; H. W. Millsbaugh, secretary.
Dec. 5-8—Huntsville, Ala. John L. Hay, secretary.
Dec. 5-8—Palmyra, Mo. C. H. Rhodes, judge; Maude Bloomer, secretary.
Dec. 5-8—New London, Iowa. H. L. Pedrick, judge; F. L. Clawson, secretary.
Dec. 5-9—Bethany, Ill. S. B. Lane, judge; Walter Roney, secretary.
Dec. 5-9—Emporia, Kan. Atherton, Dudley, judges; D. M. May, secretary-treasurer.
Dec. 5-9—Providence, R. I. W. J. Brown, secretary.
Dec. 5-9—Wilkesbarre, Pa. D. T. Miller, secretary.
Dec. 6-8—Paterson, N. J. James Handford, secretary.
Dec. 6-8—Owosso, Mich. Tucker, judge; Bert Lovett, secretary.
Dec. 6-8—Adams, Mass. John J. Caley, secretary.
Dec. 6-9—Alameda, Cal. Dixon, Hinds, judges; C. A. Tracy, secretary.
Dec. 6-9—Taylorville, Ill. Rigg, judge; James Hunter, secretary.
Dec. 6-9—Waco, Tex. G. Knebel, judge; J. R. Davis, secretary.
Dec. 6-9—Youngstown, Ohio. T. E. Orr, judge; Charles E. Watwood, secretary.
Dec. 6-9—Craig, Mo. Shellabarger, judge; E. A. Kellogg, secretary.
Dec. 6-13—Charleston, S. C. Lea, Marshall, judges; C. J. McCarty, secretary.
Dec. 7-9—Jackson, Mich. Travis, judge; C. W. Krooz, 222 Mansion street, secretary.
Dec. 7-9—Marshall, Tex. Savage, judge; K. A. Powers, secretary.
Dec. 7-12—Stanberry, Mo. Russell, judge; Robert Larmer, secretary.
Dec. 8-9—Elgin, Tex. R. A. Davis, judge; A. J. Jarmon, secretary.
Dec. 11-15—Davenport, Iowa. James A. Tucker, judge; J. P. Voss, secretary.
Dec. 11-16—Oconomowoc, Wis. Dr. H. J. Larson, secretary.
Dec. 11-16—Warren, Ill. Shellabarger, judge; T. J. Rountree, secretary.
Dec. 11-16—Fort Wayne, Ind. T. E. Orr, judge; Philip A. Heller, secretary.
Dec. 11-16—Rochester, Minn. George D. Holden, judge; Louis E. Nietz, secretary.
Dec. 11-16—Dwight, Ill. Ben S. Myers, judge; H. A. Wood, secretary.
Dec. 11-18—Elwood, Ind. S. B. Lane, judge; S. W. Swihart, secretary.
Dec. 12-15—Flint, Mich. F. P. Wildman, secretary.
Dec. 12-14—Milford, Mass. J. P. Remich, secretary.
Dec. 12-14—Falmouth, Mass. I. K. Felch, judge; R. E. Small, secretary.
Dec. 12-15—Quincy, Mich. McClave, judge; A. L. Massey, secretary.
Dec. 12-15—Monroe, N. C. Marshall, judge; T. F. Dillon, secretary.
Dec. 12-15—Salem, Ore. C. D. Minton, secretary.
Dec. 12-15—Birmingham, Ala. Johnston, judge; Charles Barber, 216 Twentieth street, secretary.
Dec. 12-16—Clarinda, Iowa. W. S. Russell, judge; Brady Ustick, secretary.
Dec. 12-16—Chariton, Iowa. Pedrick, judge; J. O. Becker, secretary.
Dec. 12-16—Waverly, Iowa. B. L. Burbank, secretary.
Dec. 12-16—Fayette, Mo. Hewes, Rhodes, Emry, judges; H. P. Mason, secretary.
Dec. 12-16—Jacksonville, Ill. D. T. Heimlich, judge; O. L. Vought, secretary.
Dec. 13-15—Kingston, N. Y. Drevenstedt, judge; F. E. Miller, secretary.
Dec. 13-16—Blandon, Pa. Wittman, Litzenger, Snyder, judges; E. G. Wilkinson, secretary.
Dec. 13-16—Fresno, Cal. R. J. Venn, Ben Woodhull, judges; George R. Andrews, secretary.
Dec. 13-16—San Diego, Cal. Herbert M. Stiles, R. F. D. 1, secretary.
Dec. 13-16—Beverly, Mass. Lambert, Watson, Flanders, Atherton, Edwards, judges; D. P. Foster, secretary.

POULTRY SHOW DATES—CONTINUED.

- Dec. 13-16—Corsicana, Tex. Savage, judge; C. E. Papsworth, secretary.
 Dec. 13-16—Holland, Mich. Chas. McClave, judge; L. S. Sprietsma, secretary.
 Dec. 13-16—Brockton, Mass. Graves, Atherton, Bryant, Wheeler, Forbes, Benson, Rogers, Smith, judges; G. S. Hutchinson, secretary.
 Dec. 14-16—Rutherford, N. J. W. J. Stanton, C. M. Smith, judges; E. J. Irwin, secretary.
 Dec. 15-21—Atlanta, Ga. Marshall, Johnston, judges; C. O. Harwell, secretary.
 Dec. 17-23—Sullivan, Ind. H. E. Speake, secretary.
 Dec. 17-23—Colorado Springs, Colo. Heimlich, judge; W. S. Trowbridge, secretary.
 Dec. 18-22—Humboldt, Iowa. W. S. Russell, judge; George W. King, secretary.
 Dec. 18-22—Long Branch, N. J. E. C. Wainwright, secretary; Little Silver, N. J.
 Dec. 18-22—Parsons, Kan. Emory, Thompson, judges; A. E. Blaker, secretary.
 Dec. 18-23—Concord, N. H. H. C. Shaw, secretary; Milford, N. H.
 Dec. 18-23—Columbus, Neb. Rhodes, judge; W. H. Swartsley, secretary.
 Dec. 18-23—Hauhsstadt, Ind. D. T. MacClement, Evansville, Ind., secretary.
 Dec. 18-22—Watertown, S. D. Rose E. Sanford, secretary.
 Dec. 18-23—Iowa Falls, Iowa. A. B. Shaner, judge; N. S. Curtis, secretary.
 Dec. 18-23—Hazleton, Pa. J. E. Anderson, secretary.
 Dec. 19-21—Woonsocket, R. I. E. W. Cook, secretary; Slatersville, R. I.
 Dec. 19-22—Manchester, N. H. C. H. Tobie, assistant secretary.
 Dec. 19-22—Bedford, Iowa. Shellaharger, judge; S. C. Avery, secretary.
 Dec. 19-22—Frankfort, Ky. Theo. Hewes, judge; John H. Cassell, secretary.
 Dec. 19-22—Ponca City, Okla. M. S. Fite, judge; J. Flem Smith, secretary.
 Dec. 19-22—Albany, Ore. Claud W. Vunk, secretary.
 Dec. 19-23—Atlanta, Ga. H. F. Reils, secretary.
 Dec. 19-23—Catlin, Ill. C. F. Byerly, secretary.
 Dec. 19-23—Cisco, Tex. Savage, judge; A. H. Johnson, secretary.
 Dec. 19-23—Mohnsville, Pa. George W. Hatt, secretary.
 Dec. 20-22—Clarksburg, W. Va. T. E. Orr, judge; W. H. Lewis, secretary.
 Dec. 20-22—Cleveland, Tenn. A. J. Lawson, secretary.
 Dec. 25-30—Mankato, Minn. Holden, judge; J. W. Kallmann, secretary.
 Dec. 25-27—Gordonville, Mo. D. T. Heimlich, judge; G. S. Summers, secretary.
 Dec. 25-30—Kalamazoo, Mich. James A. Tucker, judge; J. S. Carr, secretary.
 Dec. 26-29—Marietta, Ohio. H. A. Emmel, judge; A. I. Spencer, secretary; Parkersburg, W. Va.
 Dec. 26-29—Meriden, Conn. Drevendst, judge; W. H. Baldwin, secretary.
 Dec. 26-29—Fremont, Neb. Todd, judge; W. H. Haven, secretary.
 Dec. 26-29—Davenport, Neb. Atherton, judge; L. L. Slagel, secretary.
 Dec. 26-30—Lansing, Mich. F. W. Travis, judge; J. A. Turner, secretary.
 Dec. 26-30—Aherdeen, Miss. S. T. Lea, judge; A. Brannin, secretary.
 Dec. 26-30—Gallatin, Mo. F. M. Parker, secretary.
 Dec. 26-30—Beatrice, Neb. H. C. White, secretary.
 Dec. 26-30—Duluth, Minn. Theodore Hewes, judge; H. E. Edmunds, secretary.
 Dec. 26-31—Ravenna, Ohio. Ben S. Myers, judge; Harry Beck, secretary.
 Dec. 27-30—East Greenville, Pa. Theodore Wittman, judge; C. A. Mack, secretary.
 Dec. 27-29—East Palestine, Ohio. Early, Feil, judges; William Haught, secretary.
 Dec. 27-29—Freeport, Me. Lambert, Watson, Bartlett, judges; Geo. P. Coffin, secretary.
 Dec. 27-31—Oregon, Ill. W. C. Pierce, judge; L. H. Valentine, secretary.
 Dec. 27-Jan. 1—Tacoma, Wash. Dixon, Collier, judges; Mrs. C. A. Pratt, 3203 South Seventh street, secretary.
 Dec. 28-30—Eldorado, Ill. D. T. Heimlich, judge; Warren Sloan, secretary.
 Dec. 28-30—Winfield, Iowa. A. B. Shaner, judge; Russell Canby, secretary.
 Dec. 29-Jan. 2—Toronto, Can. R. Durston, secretary.

1906.

- Jan. 1-4—Wallingford, Conn. Nichols, Card, judges; William J. Hogan, secretary.
 Jan. 1-4—Montpelier, Ind. S. B. Lane, judge; L. L. Howard, secretary.
 Jan. 1-6—Oklahoma, Okla. M. S. Fite, judge; T. E. Shaw, secretary.
 Jan. 1-6—Hamilton, Ohio. I. K. Felch, judge; A. W. C. Hoffman, secretary.
 Jan. 1-6—Goshen, Ind. Ellison, Mullineux, judges; J. A. Zollinger, secretary.
 Jan. 1-6—Palestine, Ill. Theodore Hewes, judge; O. H. Smith, secretary; Eaton, Ill.
 Jan. 1-6—El Reno, Okla. C. A. Emory, judge; V. B. Allee, secretary.
 Jan. 1-6—Nashville, Tenn. Marshall, Brown, judges; John A. Murkin, Jr., secretary.
 Jan. 1-7—Russiaville, Ind. J. C. Long, judge; A. J. Biesecker, secretary.
 Jan. 2-4—Greenfield, Iowa. Pedrick, judge; Mrs. S. E. Alley, secretary.
 Jan. 2-5—Waxahachie, Tex. A. B. Shaner, judge; C. T. Spaulding, secretary.
 Jan. 2-5—Austin, Minn. W. G. Warnock, judge; J. S. Wood, secretary.
 Jan. 2-6—New York, N. Y. H. V. Crawford, secretary; Montclair, N. J.
 Jan. 2-5—Lynn, Mass. Shove, Flanders, Watson, Atherton, judges; Charles E. Hunt, secretary.
 Jan. 2-4—Olney, Ill. D. T. Heimlich, judge; E. E. Dalton, secretary.
 Jan. 2-6—Storm Lake, Iowa. Shellaharger, judge; D. J. Willett, secretary.
 Jan. 2-7—South Omaha, Neb. A. Thompson, judge; William H. Sloane, secretary.
 Jan. 2-7—Danville, Ill. Russell, Tucker, Heck, Pierce, Heyl, Joos, judges so far selected; O. L. McCord, secretary.
 Jan. 2-8—Adrian, Mich. Tucker, Mullinix, judges; J. E. Holyoke, secretary.
 Jan. 3-6—Point Marion, Pa. Wick Hathaway, judge; H. C. Davis, secretary.
 Jan. 3-6—Cambridge, Ohio. D. J. Lambert, judge; James C. Sarchet, secretary.
 Jan. 5-6—Zion City, Ill. C. L. Greer, secretary.
 Jan. 5-6—Oakland, Ill. D. T. Heimlich, judge; V. W. Annin, secretary.
 Jan. 5-15—Detroit, Mich. John R. Wood, secretary.
 Jan. 8-12—Sioux Falls, S. D. Stacy S. Metcalf, secretary.
 Jan. 8-12—Mattoon, Ill. T. M. Campbell, judge; C. L. Carney, secretary; Charleston, Ill.
 Jan. 8-13—Monmouth, Ill. Chas. McClave, judge; S. L. Hamilton, secretary.
 Jan. 8-12—Ann Arbor, Mich. Tucker, Hewes, judges; George R. Cooper, secretary.
 Jan. 8-12—Minonk, Ill. George A. Heyl, judge; R. H. Parks, secretary; Benson, Ill.
 Jan. 8-12—Augusta, Ga. J. W. Killingsworth, secretary.
 Jan. 8-13—Polo, Ill. A. B. Shaner, judge; J. A. Davison, secretary.
 Jan. 8-13—Evansville, Ind. W. C. Pierce, R. H. Young, Ben S. Myers, judges; H. J. Reimer, 107 Heinlein avenue, secretary.
 Jan. 8-13—Denver, Colo. Russell, Rhodes, judges; Fred H. Hunt, secretary.
 Jan. 8-14—Chilton, Wis. Ben S. Myers, judge; A. Stransky, secretary.
 Jan. 8-15—Los Angeles, Cal. Mrs. O. H. Burbridge, 2080 West Adams street, secretary.
 Jan. 9-11—Sebring, Ohio. Ira C. Keller, judge; M. J. Stevens, secretary.
 Jan. 9-13—Topeka, Kan. D. T. Heimlich, judge; J. W. T. Hughes, secretary.
 Jan. 9-12—Middletown, Conn. W. J. Keiff, secretary.
 Jan. 9-12—Oak Harbor, Ohio. Yant, Mullinix, judges; L. L. Carstensen, secretary.
 Jan. 9-13—Lake Geneva, Wis. F. Heck, judge; F. M. Higgins, secretary.
 Jan. 9-13—Naperville, Ill. D. J. Lambert, judge; E. M. Schwartz, secretary.
 Jan. 9-13—Findlay, Ohio. Phil. Feil, judge; Clark Parker, secretary.
 Jan. 9-13—Enid, Okla. J. W. Hitchcock, judge; I. W. Scherich, secretary.
 Jan. 9-14—Dallas Tex. Loring, Brown, Knehel, Purdy, judges; ———, secretary.
 Jan. 10-13—Tiffin, Ohio. Charles McClave, judge; V. Crabtree, secretary.
 Jan. 10-13—Newcomerstown, Ohio. Theodore Hewes, judge; Frank D. Mulvane, secretary.
 Jan. 10-16—Portland, Ore. F. H. Shellaharger, judge; J. C. Murray, secretary.
 Jan. 15-20—Canton, Ill. D. T. Heimlich, judge; Leigh Harris, secretary.
 Jan. 15-20—Belavan, Wis. Tucker and Johnston, judges; W. E. Peffer, secretary.
 Jan. 15-20—Portland, Ind. S. B. Lane, judge; Charles McFarland, secretary.
 Jan. 15-20—St. Joseph, Mo. Thompson, Rhodes, judges; E. L. McDonald, secretary.
 Jan. 15-20—Oshkosh, Wis. Charles McClave, judge; Frank W. Radford, secretary.
 Jan. 15-20—Rockford, Ill. F. Heck, judge; Charles S. Gilbert, secretary.
 Jan. 15-20—Duquoy, Iowa. Shaner, judge; W. Bullen, secretary.
 Jan. 16-19—Nunda, Ill. A. B. Shaner, judge; George H. Prickett, secretary.
 Jan. 16-19—Dalton, Mass. I. K. Felch, judge; William H. Griswald, secretary.

WHITE ROCKS

Cockerels, hens and pullets from my noted prize winners, for sale cheap.

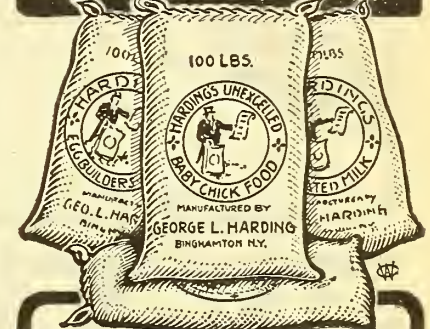
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“Worried Tom and the Wise Old Doctor” free, from the Pratt Food Co., 126 Walnut St., Phila., Pa.—send for it. It’s interesting and amusing.



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Uncle Sam Poultry Foods and Remedies

A full line of profit-makers for poultry keepers. Endorsed by leading breeders and fanciers. Sold by all prominent poultry supply dealers.

Convenient—Nutritious

highest quality—economical price. Guaranteed as represented or money refunded.

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| Baby Chick Food | Roup Cure |
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| Beef Scrap | Lice Killer |
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Harding's Foods and Remedies are specially prepared from the best and most properly balanced ingredients for the purposes intended and will be found to give excellent results in raising chicks, in forcing broilers and with laying hens.

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be sure and get Harding's Uncle Sam Foods and Remedies. Take no substitutes. If your dealer cannot supply you, write us direct. Send for free book, "What to Feed and How to Feed It." Geo. L. Harding, Box 383, Binghamton, N. Y.



POULTRY SHOW DATES—CONTINUED.

Jan. 16-19—Fostoria, Ohio. Eugene Sites, judge; Charles Mann, secretary.
 Jan. 16-20—Cincinnati, Ohio. Thomas J. Foy, secretary.
 Jan. 16-20—Sioux Falls, S. D. Stacy S. Metcalf, secretary.
 Jan. 16-20—Charlotte, N. C. H. P. Schwab, judge; W. B. Alexander, secretary.
 Jan. 18-22—Auburn, N. Y. Stanton, Quilhot, Webb, Riddell, Hallenbeck, King, judges;
 J. H. Scott, secretary.
 Jan. 19-23—Albert Lea, Minn. Charles McClave, judge; R. B. Thompson, secretary.
 Jan. 22-26—LaCrosse, Wis. Theodore Hewes, judge; Henry J. Hahn, secretary.
 Jan. 22-28—Milwaukee, Wis. W. S. Russell, G. D. Holden, judges; C. G. Loeber, 1717
 Walnut street, secretary.
 Jan. 23-27—Huron, S. D. A. B. Shaner, judge; E. M. Thomas, secretary.
 Jan. 24-26—Pittsfield, Mass. R. T. Kent, secretary.
 Jan. 25-29—Mooreville, Ind. Charles McClave, judge; C. L. Hallam, secretary.
 Jan. 26—Rochelle, Ill. Chas. McClave, judge; Geo. W. Guest, secretary.
 Jan. 30-Feb. 3—Mitchell, S. D. W. S. Russell, judge; William Scullin, secretary.
 Jan. 31-Feb. 3—Cresco, Iowa. George D. Holden, judge; John M. Davis, secretary.
 Jan. 31-Feb. 3—Hudson, Mich. Tucker, Boies, Mullinix, judges; L. S. Brown, secretary.
 Jan. 31-Feb. 5—Toledo, Ohio. Hewes, Butterfield, Tucker, judges; Alva T. Baker, secre-
 tary.
 Feb. 4-10—Indianapolis, Ind. Burgott, McCord, Tucker, Myers, Lane, Lanius, Pierce,
 Hewes, judges; E. A. Pierce, secretary.
 Feb. 5-10—Walla Walla, Wash. McClave, judge; J. A. Levy, secretary.
 Feb. 15-20—Dubuque, Iowa. A. B. Shaner, judge; C. H. Gregoire, secretary.
 Feb. 19-24—Butterfield, Pa. McClave, Butterfield, George O. Brown, judges of poultry;
 G. F. Erbe, A. J. Edwards, judges of pigeons; G. C. Sutch, secretary; J. M. Skiles,
 superintendent.

JULIUS J. KLEIN.

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Buff and Barred Plymouth Rocks, Partridge Cochins, Light Brahmas, Embden Geese and Pekin Ducks.
Catalogue free.

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PARTRIDGE COCHINS

The noted New York Madison Square Garden winners. Will spare a few
 fine exhibition cocks and hens now in fine feather. March and April
 chicks fit for the early shows. Circular free.

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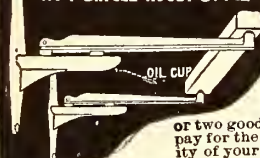
Western Representative MODEL INCUBATORS and BROODERS

Everything for the Poultryman

Manufactured by Chas. A. Cyphers

Phillip's Death to insects kills lice and mites on poultry, also any insect. Write for free circular and prices.

No. 1-SINGLE ROOST STYLE



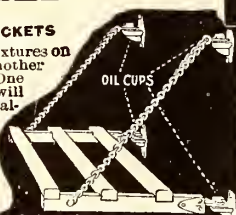
WHEN YOU BUILD

install DAVIS ANTI-LOUSE ROOST BRACKETS

The most practical and up-to-date poultry fixtures on
 the market. Don't let your old house go another
 season without them. It's false economy. One
 or two good birds saved from the ravages of the vermin will
 pay for the equipment of a house, while the increased vital-
 ity of your flock will return the cost many times over.

Prices: No. 1 style with screws, 75c per pair; 3 pair, \$2.00; 6 pair,
 \$3.50. No. 2 style complete with chains and screws, \$1.25 per set; 3 sets, \$3.25;
 6 sets, \$6.00. F. O. B., Battle Creek, Mich. (Prices do not include roosts.)
 Write for catalogue of up-to-date Poultry Specialties, or ask your dealer for our goods.

The KEYES-DAVIS CO., Ltd., Mfrs., Dept. B Battle Creek, Mich.



No. 2-MULTIPLE ROOST STYLE

FEED FOR EGGS

Cut your poultry feed bill in two, double your egg production,
 have a healthy, vigorous flock by getting an Open Hopper

Humphrey GREEN BONE AND VEGETABLE Cutter

guaranteed to cut more bone, in better condition, in
 less time and with less labor than any other. It is the
 original and only real open hopper machine, operated
 by one hand, and cuts as fast or as easily as you like.
 No screws or split nuts to wear out; no springs to ad-
 just; easily kept clean. Used and endorsed by
 successful poultry men everywhere.

We charge nothing extra for a Free Trial if you want it.
 For new catalogue send your name to

HUMPHREY, White St. Factory, JOLIET, ILL.

The Humphrey Rapid Clover Cutter cuts finer and more rapidly
 than any other, and makes the best poultry food. Ask about it.

More Eggs—Less Feed

SUCCESS WITH POULTRY.

In the first place we must have good
 stock, pure-bred fowls if possible and a
 strain that has been bred for the pur-
 pose in view, whether it be large, quick
 maturing fowls for market purposes, ex-
 tra fine layers or a general purpose fowl.
 The experienced poultryman knows there
 is almost as much difference between
 strains of the same breed as there is be-
 tween distinct breeds, not in looks but
 in general characteristics. It is the way
 the fowls have been bred that counts,
 therefore if we wish to have the best
 possible start we will secure our stock
 from some reliable breeder who has bred
 along the lines we have in view; such
 fowls can be depended upon to repro-
 duce their kind and therein consists their
 value. The location and buildings are
 next to be considered. Fowls will not
 thrive upon a heavy, poorly drained
 soil; they will be subject to colds and
 the chicks will be slow maturing. If
 one has a well drained site and a south-
 ern exposure much less care will be re-
 quired to insure success. We do not be-
 lieve in expensive buildings but they
 should be large enough to provide plenty
 of fresh air without exposing the fowls
 to a draft.

The ideal house in a mild climate is
 one tightly closed on three sides with
 one side inclosed with laths or wire
 netting. An abundance of fresh air
 is thus ensured and the fowls will be
 hardy. If confined in close quarters at
 night upon coming out in the cool morn-
 ing air the fowls are sure to become
 chilled and bad colds or roup is the re-
 sult. The matter of feeding is of vital
 importance as the health of fowls as well
 as the financial success depends largely
 upon proper feeding. We believe in giv-
 ing laying hens all they will eat. They
 will not become too fat if rations are
 properly balanced. It is not too much
 food but too much of a kind that is
 hurtful. When allowed free range pou-
 ltry will come pretty near balancing their
 own ration, but when confined we must
 supply the various elements they would
 otherwise obtain from natural sources.
 Grains, animal food, green stuff and grit
 must be provided. The former in as
 great variety as possible, corn, wheat,
 oats and barley combined with shorts,
 bran and chop. Animal food is of great
 importance; without it we lose nearly
 one-half the eggs we would otherwise
 obtain.

We feed blood meal to our hens every
 day during the moulting season and
 every other day during the remainder of
 the year. If we omit it for a few days
 the difference in the number of eggs
 laid becomes very noticeable. We pay
 five cents a pound for the blood meal
 but as it is over 75 per cent pure pro-
 tein, only a small amount is required;
 it is the results as well as the cost that
 we must consider. With a poorly bal-
 anced ration we get very poor returns
 for the cost of feeding; therefore we
 know it is cheaper to feed right. We
 are aware that most farmers exchange
 their eggs for groceries as they are al-
 lowed one-half to one cent per dozen
 more than if cash was paid, consequently
 the farmer's wife must depend upon the
 resources of the farm for her poultry
 supplies. This is all right during the
 summer, but during the winter months
 when the ground is frozen and bare the
 hens require special feeding if eggs are
 to be obtained when prices are highest.

We should take the cash price for our eggs and buy the articles necessary to supplement the home supplies and thus obtain a good many more dozen eggs. Green stuff is necessary for the health of the fowls and if vegetables are not available, clover or alfalfa meal may be had for \$1.50 per 100 pounds, and this, when scalded and fed in the mash will give most excellent results. Oyster shells or lime in some form is needed. Lime is contained in all the grains but not in sufficient quantity if the hens are laying heavily. A small amount of stimulants in the mash will do no harm and we rather favor the use of a little cayenne pepper on cold mornings, provided plenty of good nourishing food is given, but condition powders and other stimulants fed with a corn ration will do more harm than good. Stimulants may start the egg-producing organs into activity but they cannot furnish the elements necessary to manufacture eggs.

ELLA L. LAYSON.

West Berkeley, Cal.

THOSE FIGHTING COCKERELS.

What shall we do with them? How care for them at the least expense?

It is inconvenient and costly to furnish every strong, vigorous fighting cockerel with an apartment for himself. He has to be fed, watered and cleaned for months or years.

A friend of mine had 3 S. C. White Minorca cockerels. The strongest and most vigorous one killed the other two and then died himself.

I have seen it recommended to tie a rope to the leg of a fighting bird, be it male or female. It seems like a good thing.

Uncultivated vigorous boys are like cockerels, just spoiling for a fight with a weaker boy.

Every fighter is a coward, whether he be boy, beast or bird he is afraid to tackle one stronger than himself. This is the rule, there may be exceptions. The thief, the hold-up man, the murderer are cowards. They go in pairs or trios. They pounce upon their victim unawares and use brass knuckles, billy, sandbag, pistol, etc. See how they howl for protection when caught.

The police find a club the most effective method of fighting a mob.

If every time a boy aggressively whipped another, his mother would spank him more severely than he punished the other boy, he would soon quit and would

live in harmony with boys around him.

The jail or penitentiary is preferable to the thug to a dose of his own medicine. Fowl nature and human nature have much in common.

Acting along the above lines of thought we manage to have our male birds live together in harmony and even love one another.

We keep only Single Comb White Minorcas and it is of those alone we speak. Their large combs enable us to practice what we preach.

We have 5 cock birds in the same yard, occupying the same roost without friction. We have 5 large, early hatched cockerels of nearly the same size, agreeing in the same pen.

How do we do it? By spanking their combs with the flat of our hand, until they learn to live in harmony with one another. We keep them shut up together in small pens where we can see them often, and catch them easily. The first male that severely punishes another is immediately caught in the act, and his large comb (not his head) is slapped on both sides until we believe it smarts, tingles and burns.

When let loose, he retires to a quiet corner and meditates over the situation, knows how it feels himself, and resolves right then and there, to be a wiser and quieter bird in the future. It does not take many such lessons to entirely reform him.

The following is our method. The fowl is easily picked up in our small enclosure. We grasp his legs in our left hand and hold his body under our left arm.

We now either kneel on our left knee or rest our right foot on a chair or other support. He is then laid lengthwise on our right thigh with his tail toward us, and his comb hanging over our right knee. Our open hand slaps his comb, first on one side, then on the other, until we think he has been punished enough. His head is not hurt. His comb is not bruised nor cut.

A few treatments of this kind soon subdues our most tenacious fighters.

E. A. MCWILLIAMS.

Chicago, Ill.

Next comes Hagerstown fair! Mr. Spahr will have direct charge, as formerly, of the poultry department, and it is said that some large cup will be offered to commemorate the memory of the lamented John L. Cost, who was late superintendent.

NURSERYMEN'S CONVENTION EXTRAORDINARY.

There was a session of the Southern Nurserymen's Association which lately held its annual meeting at Norfolk, Va., which was not on the original program. Upon final adjournment, twenty-five or more of the leading nurserymen of the South, including the vice president of the association, made up a special party to visit the nurseries of J. G. Harrison & Sons at Berlin, Md. For two days this large party were the guests of Harrison & Sons. On Thursday, August 17th, some five hours were spent in driving through the Harrison Nurseries, which cover over 1,000 acres, including the old Commodore Decatur farm, of historic memory. The party consisted largely of the active southern competitors in business of the Harrison people. Needless to say the extent and condition of the Harrison Nurseries was an eye-opener to them. On Friday morning the vice president called a session extraordinary of the association, at which speeches were made showing the hearty appreciation of the visitors and resolutions were passed expressing the appreciation of the entire party to the Harrison people and particularly to Mr. Orlando Harrison and family, who had the entertainment in charge. After this session the party were taken to Ocean City, where they availed themselves of the privileges of the surf and at noon went on their way rejoicing to their homes.

SUPERIOR BUFF COCHINS.

The Buff Cochins male shown in the picture is a sample of what may be seen in the yards of H. N. Hanchett of Jackson, Mich. Mr. Hanchett (who, by the way, has been a constant advertiser in the A. P. J. for the past ten years) is a true fancier and has made this one variety his special study for years. He practices line-breeding, carefully pedigreeing every chick hatched, and the result of his years of experience and progressive methods show plainly in the magnificent specimens he is shipping all over the country.

Mr. Hanchett writes: "I have 'em better than ever this year. Scores of cockerels and pullets that are solid buff, no white, no black, immense cushion development, short, low tails, and such feathering! You can hardly see under them and yet there is not a vulture hook on the place."

One of his customers, R. D. Dunbar of Dallas, Tex., took 1st on cockerel and 1st and 2nd on pullets at the North Texas Poultry Association. The cockerel scored 94½ by Judge Loring Brown.

Another customer, Charles O. Carr, of Murdocksville, Pa., writes that he never saw such marvelous feathering and coloring on Cochins before, and in shape they are fine, when speaking of birds recently bought from Mr. Hanchett. He regrets that he did not buy the birds sooner, as he believes he could have secured 1st at Pittsburg.

The Excelsior Wire & Poultry Supply Co., Dept. O., 26 and 28 Vesey street, New York City, are making their thirteenth annual sale of Banner Egg Food and Tonic. This sale is one month only during the month of November. Their 212 page catalogue is free to all readers of AMERICAN POULTRY JOURNAL, mentioning the above Dept. number.

Paroid Roofing



Poultry Houses Roofed for Good. Are you looking for the ideal roofing and siding for poultry houses and farm buildings? The owners of the farm on which the above illustration was made, have found it. They are the largest duck raisers in the world, and are but one of the thousands of poultrymen, farmers and others who use

PAROID ROOFING

for roofs and sides in preference to all other roofs. They have found it the most economical because it is the most durable and satisfactory. Paroid is made of extra strong felt, with extra saturation, which makes it water proof, spark and cinder proof, cold and heat proof, gas and acid proof. Extra tough, extra durable. Light slate colored—contains no tar—does not crack, run nor taint rain water. Any one can lay it in any kind of weather.

Send for Sample.

The strongest argument is to see a Paroid roof that has been laid a few years. The next best thing is to see a sample. Send us your name today and we'll send a free sample and name of nearest dealer. Enclose a 2c stamp and we'll send new book of complete plans for poultry and farm buildings.

(Established 1817) Originators of the Complete Roofing Kit in every roll. F. W. BIRD & SON, Makers, East Walpole, Mass., Chicago, Ill.

GINSENG \$50,000 worth can be raised on one acre. Write for prices of roots and seeds. Begin preparing ground now; proper time for planting in the fall. Complete cultural directions free with orders. Illustrated book, telling about its history, cultivation, profits, market, etc., for 25c. Address Wisconsin Ginseng Gardener, 601 Adams St., Wausau, Wis.

Flushing Poultry Yards

H. D. ALDRICH, Prop.

LEGHORNS

ROSE COMB BROWN,
2d pen at Madison Square, New York, 1905.

ROSE COMB WHITE,
1st prize pen Madison Square, New York, 1905

ROSE COMB BUFF,
1st prize pen Madison Square, New York, 1905,
BAYSIDE AVE., FLUSHING, N. Y.

Bair's Barred Rocks

are daily proving their claim of being leaders for exhibition and utility. In my yards the 200-egg hen is a reality. Lady Pan, the greatest living hen, has a record of 247 eggs for year 1903 and 11 blue ribbons won in the largest shows of the country. I have for sale fine chicks from Lady Pan pullet line, and extra fine ckl. breeding pullets. Eggs from selected matings \$3 for 15, \$5 for 30.

L. O. BAIR, 2721 Cherry St., Kansas City, Mo.

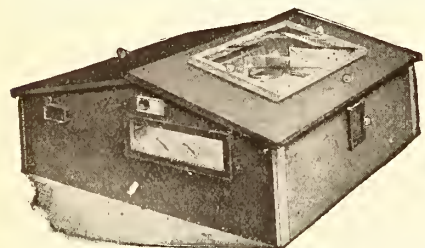
SHOEMAKER'S BOOK on POULTRY



and almanac for 1905, contains 240 pages, with many fine colored plates of fowls (true to life). It tells all about chickens, their care, diseases and remedies. All about INCUBATORS and how to operate them. All about poultry houses and how to build them. It's really an encyclopedia of chicken-dom. You need it. Price only 15c.

C. C. SHOEMAKER, Box 1210, FREEPORT, ILL.

Rouses' Perfection Brooder



Price, \$7.50. Catalogue free. Simple, convenient, practical. W. L. Rouse, Manufacturer, 157 La Salle St., Chicago, Ill. Chicago Poultry Supply House Distributor, 647 Lakeside Bldg., Chicago, Ill.



FREE FOR 15 DAYS' TRIAL

We want every poultry raiser, whether he keeps ten fowls or ten thousand, to know the full advantage of feeding fresh cut

green bone to his flock. In order to prepare the bone and have it fresh every day you will need a Bone Cutter. We are going to make it easy for you to get one. We will ship any one of our different size

Dandy Green Bone Cutters

to you without a cent in advance and give you 15 days' free trial so that you may test the machine and test green bone as a money-making feed to increase your egg supply and to improve the health of your birds. We manufacture Bone Cutters exclusively and our prices are the lowest at which a thoroughly reliable machine can be sold. 15 days' free trial plan enables you to learn how honestly and substantially "Dandy" Bone Cutters are built. If after 15 days' use you are entirely satisfied, keep it; if not, we take it back—trial costs you nothing. Free catalog and valuable pointers on feeding poultry—describes the various sizes we make and tells why the "Dandy" will be a money-maker for you. Write for it. STRATTON MANFG. CO., BOX 17, ERIE, PA.

WRITE FOR FREE TRIAL TODAY.



Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

ILLINOIS STATE POULTRY SHOW AT DANVILLE, ILL.

The Twelfth Annual exhibition of Illinois State Poultry Association will be held at Danville, Ill., Jan. 2 to 7, 1906.

The officers of Illinois State Poultry Association are: President, A. G. Murray, Springfield; vice-president, John Cooleedge, Galesburg; secretary, O. L. McCord, Danville; treasurer, S. S. Noble, Bloomington; superintendent, A. L. Moore, Normal; executive committee: J. A. Leland, Springfield; Dr. F. A. Gelder, Palmyra; W. E. Russell, Danville; J. J. Klein, Macon; Robt. Joos, Peoria. The officers are all men of wide experience in conducting poultry shows who will be present the entire week of show and give their personal attention in general. Every effort will be made to see that the birds on exhibition are properly cared for and that every exhibitor receives fair and honest treatment. Remember the Illinois State is the show with a \$5.00 premium and with a 50 cent entry and every exhibitor in attendance will receive his premiums in full before leaving the show. The judges that are selected so far are: W. S. Russell, Ottumwa, Ia.; James A. Tucker, Concord, Mich.; Frank Heck, Chicago; W. C. Pierce, Indianapolis; Geo. A. Heyl, Washington, Ill.; and Robert Joos, Peoria, Ill. The others will be named later.

The executive committee used good judgment in selecting the city of Danville for the next state show as it is known throughout the United States as a great poultry center.

Vermilion county has a population of over 80,000, has 21 incorporated villages and five active poultry associations, the Danville, Hoopston, Catlin, Georgetown and Potomac associations. The city of Danville has a population of 40,000, is on the main lines of the Wabash, Chicago and Eastern Illinois, Big Four—Cairo Division; St. Louis division of C. & E. I., Chicago, Southern Danville & Indiana Harbor Railroads, also 20 miles of street railway tracks radiating to all parts of the city. The Danville and Vermilion County Association have joined with the state association to make the next show the greatest of them all. For any information address the secretary, O. L. McCord, Danville, Ill.

HAUBSTADT, IND.

The nineteenth annual exhibit of the Old Reliable Wabash Valley Poultry, Pigeon and Pet Stock Association will be held at Haubstadt, Ind., December 18-23, inclusive, 1905.

Ben S. Meyers of Crawfordsville, Ind., will do the judging for us this season. Exhibitors will be treated with every courtesy and their birds given the best of care and treatment.

Our former shows have been a success and this promises to excel all others and will rank as one of the best score-card shows of the year.

Premium list will be ready about Nov. 1. A copy may be secured from the secretary, D. T. MacClement, 1024 Powell Ave., Evansville, Ind.

PONCA CITY, OKLA.

The Northern Oklahoma Poultry and Pet Stock Association have incorporated under the laws of the Territory of Oklahoma and will hold their eighth annual shown in Ponca City, O. T., Dec. 19-23, 1905. M. S. Fite, judge. Catalogue and premium list will be out Nov. 1. J. Flem Smith, Sec.

LEXINGTON, ILL.

A number of prominent poultrymen in the vicinity of Lexington, Ill., recently held a meeting at that place and formed the Lexington Poultry Association and arrangements were made to hold a show about the first of January. Dates will be announced later. Wm. Steckler, Sec.

HUNTSVILLE, ALA.

The North Alabama Poultry and Pet Stock Association will hold their Seventh Annual Exhibition Dec. 5-8, 1905. John L. Hay, Sec. Huntsville, Ala.

FRANKFORT, KY.

The State Fanciers and Breeders' Association of Kentucky will hold its first annual exhibition Dec. 19-22, 1905. Catalogue ready Nov. 1. Theo. Hewes, judge. John H. Cassell, Sec.

FREEPORT, MAINE.

The third annual exhibition of the Freeport Poultry Association will be held Dec. 27-29, 1905. D. J. Lambert, Silas Bartlett, and J. F. Watson, judges. Geo. P. Coffin, Sec.

CLARKSBURG, W. VA.

The Clarksburg Poultry and Pet stock Association will hold its second annual exhibition Dec. 20-22, 1905. T. E. Orr, judge. W. H. Lewis, Sec.

PALMYRA, MO.

The Northeast Missouri Poultry Association will hold its second annual exhibition Dec. 5-8, 1905. C. H. Rhodes, judge. Maude Bloomer, Sec.

CORFU, N. Y.

The Corfu Fanciers' Club will hold their annual show Nov. 28-Dec. 1, 1905. W. F. Brace, judges. Chas. Phelps, Sec.

SAN FRANCISCO, CAL.

During the week of Nov. 27 to Dec. 2, 1905, under the management of the California Poultry Association, assisted by the California Promotion Committee and all the poultry organizations of the State of California, a grand exhibition of

Printing

Golden and W. Wyandottes

Special sale of cockerels. Lots of three each, \$4 and \$5, according to quality; lots of six each, \$6 and \$8. All other stock at reasonable prices. Stock of the best Chicago winners. Send for circular.

A. W. DAVIS

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Lapham's Buff P. Rocks

are birds of quality. Fifteen pens carefully mated. Handsome catalogue free.

Dearborn Poultry Yards,

Dearborn, Mich.

Golden Rule Farm

Breeds Barred Rocks

Exclusively, and offers this month twenty choice yearling hens and twenty-five cockerels that are beauties. Write if interested to

J. N. YOUNG G. R. Farm, Henry, Ill.

COILED SPRING

FENCE

Closely Woven. Can not Sag. Every wire and every twist is a brace to all other wires and twists full height of the fence. Horse-high, Bull-strong, Pig-tight. Every rod guaranteed.

30 DAYS FREE TRIAL and sold direct to farmer, freight prepaid, at lowest factory price. Our Catalogue tells how Wire is made—how it is galvanized—why some is good and some is bad. Its brimful of fence facts. You should have this information. Write for it today. Its Free.

KITSELMAN BROS.,
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MICA CRYSTAL GRIT DOES THE WORK

It is no experiment, having been used successfully for twelve years and is the highest grade article of its kind in use.

Necessary proportion of mica, quartz, iron, magnesium.

Regulates digestion by properly assimilating the food, a process absolutely necessary to health and productiveness in poultry.

Food not assimilated is food wasted. Mica Crystal solves the problem and makes the poultry industry profitable.

Without grit the feathered tribe cannot be healthy or productive. This is a well demonstrated fact in nature. Ignorance of it has cost millions. Grit is to fowls what teeth are to other members of animal creation. Mica Crystal never loses its sharpness, it is the best.

Let us prove the truth of what we say by filling a sample order for you.

DARLING & CO., Agents,
Chicago, Ill,

For Poultrymen. Samples for the asking.
J. J. Bennett,
Lisbon, O.

poultry will be held. Geo. D. Holden, T. E. Orr, Geo. H. Burgott and Henry Berran, judges. J. C. Williams, Secretary, 25 New Montgomery street, San Francisco, Cal.

ADAMS, MASS.

The Adams Poultry Association will hold their annual show Dec. 6-8, 1905. John J. Caley, Sec.

NEW LONDON, IOWA.

The New London Poultry Association will hold their first annual show Dec. 5-8, 1905. H. L. Pidrick, judge. F. L. Clawson, Sec.

PARSONS, KAN.

The Southeastern Kansas Poultry Association will hold their tenth annual show, Dec. 18-22, 1905. C. A. Emry and Adam Thompson, judges. A. E. Blaker, Sec.

LAKE GENEVA, WIS.

The Lake Geneva Poultry and Pet Stock Association will hold their annual show Jan. 9-13, 1906. Frank Heck, judge. F. M. Higgins, Secretary.

MATTOON, ILL.

The Eastern Illinois Fanciers' Association will hold their annual show Jan. 8-12, 1906. T. M. Campbell, judge. C. L. Carney, Secretary, Charleston, Ill.

BRIDGETON, N. J.

The South Jersey Poultry, Pigeon and Pet Stock Association will hold its second annual show Nov. 28, Dec. 2, 1905. Louis G. Hiller, Superintendent.

NASHVILLE, TENN.

The Tennessee State Poultry Breeders' Association will hold its annual show Jan. 1-6, 1906. F. J. Marshall and Loring Brown, judges. John A. Murkin, General Secretary.

MONMOUTH, ILL.

The Warren County Poultry and Pet Stock Association will hold its annual exhibition Jan. 8-13. Chas. McClave, judge. S. L. Hamilton, Secretary.

AUSTIN, MINN.

Mower County Poultry Association will hold its annual show Jan. 2-5, 1906. W. G. Warnock, judge. J. S. Wood, Secretary.

MASON CITY, IOWA.

The tenth annual show of the Upper Iowa Poultry Association will be held Nov. 28, Dec. 2, 1905. W. S. Russell, judge. M. V. Bickel, Secretary.

IOWA FALLS, IOWA.

The Northwestern Fanciers' Association will hold their first annual exhibition Dec. 18-22, 1905. A. B. Shaner, judge. Write N. S. Curtis, Iowa Falls, Iowa, for further information.

OAK HARBOR, OHIO.

The third annual show of the Ottawa County Poultry and Pet Stock Association will be held Jan. 9-12, 1906. J. A. Yant, J. W. Mulinix, judges. L. L. Carstensen, Secretary.

IRON AGE

Farm and Garden Implements—Seed Drills, Wheel Hoes, Riding Cultivators, Potato Planters, etc., are all described in our new book. It's free. Write for a copy
Baleman Mfg. Co., Box 119, Greenwich, N. J.

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\$25,000.00 made from half acre. Easily grown in garden or farm. Roots and seeds for sale. Send 4c for postage and get booklet A B, telling all about it. McDowell GINSENG GARDEN, JOPLIN, MO.

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SILVER LACED WYANDOTTES Exclusively

Stock for sale at all times. No eggs. Send for circular. A. & E. TARBOX Box A 5, Yorkville, Ill.

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Specialty breeder of Black Breasted Red Games. The exhibition kind of finest quality. Write me for prices. Kchoe, Ky.

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Bred to standard and for egg production. Stock and eggs for sale in season.

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King's Barred Ply. Rocks

are attracting the attention of the poultry world. Why? Because they excel in many respects. A few eggs will demonstrate this fact to you. Can spare a few more settings. Write me today for circular and prices on breeding stock. Remember the specialist for best results.

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At Great St. Louis World's Fair Our Partridge Wyandottes

Won 1st cock, 1st pen, 2d pullet in competition with the best in the world. Our **SILVER PENCILED WYANDOTTES** are just as good and we have hundreds of the finest exhibition and breeding stock of both varieties for sale.

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Do you want to raise some exhibition birds? If so, we can sell you the eggs that will hatch the prize winners. Breeding stock scores 90 to 96. White Wonders, Black Spanish, S. Dorking; all varieties Wyandottes, Rocks, Javas, Polish, Leghorns, Cochins, Hamburgs, Minorcas, Langshans, Bantams, Ducks, Geese and Turkeys. Send us your order and be convinced by our fair treatment. Catalogue describing 45 varieties sent for four cents. Geo. P. Hartman & Son, Box D 193, Freeport, Ill.

SOMETHING NEW STRATHMANN'S POULTRY YARD SEEDER

To Distribute Grain and Seeds For Scratching Fowls
A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in one year. Its weight is 30 lbs., sows two rows 10 in. apart and cultivates your ground. Will do what all poultrymen and journal's say, keep your chickens scratching. Our seeder has proved itself a winner at the Chicago poultry show by having a larger attraction than any other exhibit. Simple, durable and practical; can't get out of order. Any boy or girl can operate it. Send for circular.
Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill.

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White-wash your Poultry houses and stables. Kills lice and vermin. Easy to operate. Sprays white-wash rapidly. Impossible to clog. Also for spraying trees, washing wagons, etc. Double action pump; will spray 30 feet high; has 3/4 inch heavy base, extension rod, brass nozzles, steel stirrup, ball valves. All brass pump \$3.50; galvanized iron \$2.50. Cash with order; express prepaid. Agents wanted.
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3

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LEE'S Egg Maker

Do you get "eggs when eggs are high" - in winter? **Lee's Egg Maker** makes them for others - will for you. It provides the necessary elements for egg and shell. Furnishes fowls just what they crave and need. Acts on the egg-producing organs, and turns food into eggs instead of fat; keeps fowls healthy, brings them into breeding season strong, vigorous, and in the pink of condition. Makes **fertile eggs** - lots of them. It's the **natural food** for winter eggs. Price 25c, 50c, and \$2. Ask your dealer or send **direct** to us.

LEE'S Lice Killer

The liquid preparation that kills lice, mites, and all vermin, both by vapor and contact. Easy to use. Paint or spray it on the roosts and walls - **that's all**. No hanting, dusting, dipping or greasing. No individual treatment of fowls. A lousy hen won't lay - rid her of lice with **Lee's Lice Killer** and watch her work. Does not injure fowls or plumage. Price: Qt. 35c; ½ gal. 60c; 1 gal. \$1. Ask your dealer or send **direct**. "Mandy's Poultry School" - 32 pages valuable poultry information - **Free**. Send stamp.

LEE'S Germozone

the best poultry medicine. For Roup, Colds, Frosted Combs, Canker, Inflammation of the Throat, Bowel Complaint and Chicken Cholera. Sick hens don't lay - dead chicks don't sell. Keep them alive, healthy and **profitable**, with **Germozone**. Price 50c, postpaid. Ask your dealer or send **direct** to us. Send for new Calendar and Egg-record, free. Tells all about diseases of poultry and how to cure them. Success of poultry depends upon the health of your fowls. **Germozone** is a reliable remedy you should keep on hand.

GEO. H. LEE CO.

Write for 1906 Catalog of "Mandy" Lee Incubators, Brooders, New features - new sizes - new prices. None better.

OMAHA, NEB.

LONG BRANCH, N. J.

The Riverside Poultry and Pet Stock Association will hold their second annual show Dec. 18-22, 1905. E. C. Wainright, Secretary, Little Silver, N. J.

ELSBERRY, MO.

The Elsberry Poultry Association will hold their annual show Nov. 23-24, 1905. A. B. Shaner, judge. M. P. Elsberry, Secretary.

UNION, IOWA.

The Hardin County Poultry Association will hold their annual show Dec. 2-6, 1905. F. H. Shellabarger, judge. O. E. Smith, Union, Iowa, Secretary.

ADRIAN, MICH.

The Lenawee County Poultry, Pigeon and Pet Stock Association will hold their first annual show Jan. 2-8, 1906. Jas. A. Tucker and J. W. Mulinix, judges. J. E. Holyoke, Secretary.

HOLLAND, MICH.

The Holland Poultry and Pet Stock Association will hold their sixth annual exhibition Dec. 13-16, 1905. Chas. McClave, judge. L. S. Sprietsma, Secretary.

ROCHELLE, ILL.

The annual show of the Rochelle Poultry Association will be held Jan. 26, 1906. Chas. McClave, judge. Geo. W. Guest, Secretary.

HOUSTON, TEXAS.

The tenth annual exhibition of the South Texas Poultry and Pet Stock Association will be held Nov. 13-19, 1905. Henry S. Fox, Jr., Secretary.

DEHAVAN, WIS.

The eighth annual exhibition of the Southeastern Wisconsin Poultry Association will be held Jan. 15-20, 1906. Jas. A. Tucker and S. B. Johnston, judges. W. E. Pepper, Secretary.

POLO, ILL.

The third annual show of the Polo Poultry and Seed Corn Association will be held Jan. 8-13, 1906. A. B. Shaner, judge of poultry. J. A. Davison, Secretary.

SAN DIEGO, CAL.

The fourth annual exhibition of the San Diego County Poultry Association will be held Dec. 13-16, 1905. Herbert M. Stiles, Secretary, R. F. D. No. 1, San Diego, Cal.

FORREST, ILL.

Forrest, Ill., will hold a poultry show Nov. 21st-23rd, 1905. They expect to have a good show and are not leaving a stone unturned to make it a success. S. B. Johnston, Judge. Clyde Johnston, Secretary.

ATLANTA, GA.

The Atlanta Poultry Association will hold its second annual poultry show Dec. 15th-21st, 1905, at Atlanta, Ga. This is one of the best Southern shows. The association is a live one and expects to hold the largest show in the State. Judges are F. J. Marshall and S. B. Johnston; C. O. Harwell, Secretary.

BIRMINGHAM, ALA.

The Alabama Poultry and Pet Stock Association will hold its show Dec. 12th-15th, 1905, at Birmingham, Ala. This is one of the largest shows of the South, if not the largest; this is their ninth show. They expect to make this the large or Banner show of the State. The premium list is liberal and they guarantee to pay every dollar. S. B. Johnston, Judge. Chas. Barber, Secretary, 216 Twentieth St., Birmingham, Ala.

GENERAL PORTER ON PAUL JONES.

The October *Century*, which will be issued on the one hundred and twenty-sixth anniversary of the battle of the Serapis and the Bonhomme Richard, will contain the first detailed and authoritative account ever published of the recovery of the body of John Paul Jones, written by Gen. Horace Porter, LL.D. It is to the unselfish zeal and patriotism of General Porter that the United States owes the recovery of the remains of its first naval hero. While ambassador to France, General Porter, on his own initiative and at his own expense, began a personal search for John Paul Jones's body, in June, 1899. The details of this search, its final success, the rigorous verification of identity, are all covered in General Porter's story, which is to be fully illustrated from photographs.

FOR THE HOUSEWIFE.

In housekeeping liberality is often the best economy, particularly at the beginning of winter, when a wise expenditure of a considerable sum of the season's food supply may mean the saving of many a dollar. Some practical advice in this direction is given by Isabel Gordon Curtis in the October *Delineator*, which contains many features of housewifely interest. "Hallowe'en Party Novelties," illustrating delicacies for Hallowe'en refreshment and entertainment, is a seasonable item, and other culinary topics are "Serving Game Dishes," "Celery Novelties," "Home-Made and Whole-Wheat Bread," and "A Rice Roundelay." In addition, Mary Taylor-Ross has some helpful notes on "Little Things of Housekeeping."

Theodore Roosevelt describes his recent "Colorado Bear Hunt" in the October number of *Scribner's Magazine*. The account is written with the vigor and vivacity which are so characteristic of the author. The individuality of the various dogs in the pack, the traits and characteristics of the guides and packers, the delightful humors of everyday life in camp, the excitement of the chase - all are depicted here with skill and force; indeed, any one who reads this narrative will have a stirring picture of exactly what happened during the weeks that Mr. Roosevelt was out of the world in the Rocky mountains. His companions of the hunt, Dr. Alexander Lambert and Philip B. Stewart, took many excellent pictures of the various incidents, and they are reproduced with the article. One of the most striking, "Death of the Big Bear," forms the frontispiece of the number.

This is to certify that the Rocky River Poultry Co. has purchased all of the stock originally owned and bred by me, which includes all of my famous New York winners. W. W. BABCOCK, Bath, N. Y.

This is one of the largest deals made in this variety, as Mr. Babcock's string of New York winners are a fine lot of birds. Mr. Babcock and the Rocky River Poultry Co. cleaned up all of the 1st, 2nd and 3rd prizes at the Madison Square Garden this year in the Rose Comb White Leghorn alley. This with the killing this company made at St. Louis, five firsts and four seconds, gives them without a doubt one of the finest lot of prize winners and breeders ever owned by any one company of any variety. If you want anything in this variety, get it at the home of the world's best, as they have a fine lot of show birds ready for shipment. A beautiful catalogue sent free if you mention this paper. Address the Rocky River Poultry Co., 59 Superior street, Chicago, Ill., U. S. A.

The Otter Creek Poultry Farm Company, Watertown, N. Y., are closing out their Barred Plymouth Rocks and S. C. White Leghorns at bargain prices, and in the future will breed only their "Otter" strain of S. C. Black Minorcas.

Keep Poultry for Profit

Start the Winter Right.

It's real economy to equip yourself with proper appliances and supplies to put your fowls in a money making condition. Get our new Catalogue, a veritable encyclopaedia of what the Poultryman needs for profit. Everything in it has been tried and tested on our Millhook Poultry Farm. We know they are right, and we sell them at money saving prices.

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Special Rations for Special Purposes.

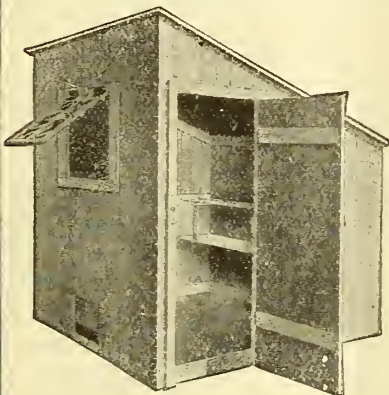
Miller's Chick Feed. A scientifically balanced ration of fifteen different kinds of grains and seeds. Nothing but clean, sound grains are used—no chaff or by-products. It is a bone builder and health producer. Guaranteed to raise more chicks than any other ration compounded.

Miller's Scratching Food. A highly nutritious, perfectly proportioned mixture of sound grains to promote health and vigor. Free from filling or adulterations. Fowls will scratch all day and clean up the last morsel.

Miller's Laying Food. This ration supplies the fowls with just those elements needed to promote egg production. It is a mash containing select, wholesome grains, beef meal and green foods in proper proportion.

Miller's Forcing Food. This is a highly concentrated food compounded especially to promote rapid development of broilers and roasters. It has no equal for this purpose.

Besides the foregoing rations we manufacture and recommend Miller's Beef Meal, Miller's Beef Scraps, Miller's Poultry Bone, Miller's Crushed Shells and Miller's Alfalfa Meal,—the sweetest, purest, greenest and most economical green food on the market.



Ideal Portable Poultry House.

This is the most complete, convenient and serviceable Portable Poultry House ever designed. It is made of select lumber, carefully matched boards finished on both sides. It comes in five sections and any one who can drive a nail can put it up in a few minutes. It has a large door, a large window, with six lights, and the window is covered with wire netting so fowls cannot break the glass or animals enter. Besides, there is a little sliding door for the fowls to pass in and out when you desire. There are two roosts which will accommodate 20 or 25 fowls and a wide dropping board below. Roosts and dropping board are hinged to the back wall and may be swung down in the morning to be out of the way and easily cleaned. You can move this house about the place or take it with you when you "move." Fully illustrated and described in our big 1906 catalogue. It is shipped in knock-down form and goes as lumber, which means the lowest freight rate. Every poultryman will find it a profitable investment. Price complete only \$18.00

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We manufacture and have for sale everything needed to raise poultry for profit. Our long experience on Millhook Farm has given us the opportunity of determining to a certainty the superiority of every article we offer, and our unequalled manufacturing facilities and enormous business enable us to sell at the lowest possible prices. Our list of supplies includes such necessary articles as Brood Coops, Bone Cutters, Grinding Mills, Corn Shellers, Caponizing Instruments, Drinking Fountains, Feed Troughs, Leg Bands, Miller's Liquid Lice Killer, Lice Powder, Chicken Punches, Roofings, Egg Testers, Ideal Lamps and Regulators.

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Standard Bred Fowls and Eggs.

Our Millhook Farm is the most extensive farm in the world devoted exclusively to rearing pure bred fowls for breeding and exhibition purposes. The stock we are offering this year embraces all the standard varieties, and never in our 20 years of business have we had so many specially fine fowls. If you want to start on a big or little scale, if you want new, pure, strong blood in your flock, send us your order for birds. If you want eggs for hatching, guaranteed true to variety, from vigorous, healthy stock, we can supply you at right prices.

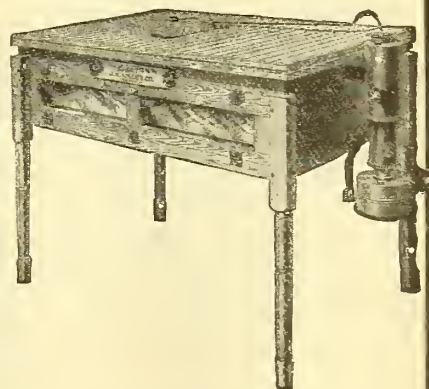
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Ideal Incubators and Brooders.

Ideal Incubators and Brooders have made a world wide reputation for hatching and raising a larger percentage of strong, healthy chicks than any other poultry machines ever made. Our iron bound guarantee of satisfaction or your money back goes with every machine we sell. The Ideal Incubators are made in three sizes; 60, 120 and 240 egg capacity. Every one is built of the best material that money can buy and they are made by The Man Who Knows. They are equipped with the most sensitive, reliable, automatic regulator ever devised. They are self-ventilating as well as self-regulating, and the Ideal lamps and heating system combine to make a hatcher that cannot be compared to anything else on the market for reliability, ease of operation, economy, durability and Profitable Hatches.

Ideal Brooders, outdoor and indoor, are equipped with a beating and ventilating system that places them in a class by themselves. They are large, light and roomy. No crowding or smothering, for one corner is as warm as another. Our brooders are fitted with a regulator that really does regulate. Two compartments to each brooder, a hovey and an exercising room with a felt curtain between which the chicks can pass through. The floors are four inches above ground. No chance of dampness or vermin. You won't know the possible profit of poultry raising until you have an Ideal Brooder. Investigate.

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Farm raised, fine young stock for sale.
Satisfaction guaranteed.

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Is selling eggs from his B. P. Rocks, Pekin, Rouen and Indian Runner Ducks at \$2 per setting. Also Bronze Turkey eggs at \$2.00 per 9. Every breeder a winner. Order from this ad.

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Fancy Buff and Barred Rocks

Bufs win two state cups in succession and over one-half of all cash and other specials at the last two cup competitions. Barred win five places at Fostoria. 400 Barred and buf to select from. Write your wants. Catalog free. Eggs in season.

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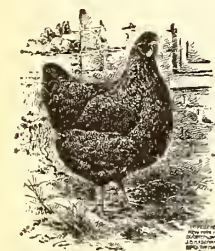


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Pedigree bred ten years. Splendid layers, good size, Rock shape, neat combs, bay eyes, whitest color. Pleased customers. Some choice breeding hens and cocks for sale. Fine circular illustrated from life.

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HADAWAY'S PARTRIDGE WYANDOTTES



are the champions of America. They have won more prizes at the large shows than those of any other breeder. In order to make room for growing chicks I will now sell 200 breeders and exhibition specimens at half price. It's the coming breed, so send for free catalogue telling about them.

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First Hen, New York, 1904



THE GEM Adjustable Leg Band.

Either band, price postpaid: 12 Leg Bands 15c; 25, 30c; 50, 45c; 100 75c. Sample Leg Band and Pigeon Bands with catalogue on Poultry Supplies Free.

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is made in 6 sizes
No. 1, 1/2 in; No. 2, 5/8; No. 3, 3/4;
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Sure Lock.

Questions and Answers

Questions asked by subscribers will be answered in this department.

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Dear Sir:—Please tell me what breed will not pull feathers in confinement; we have more trouble with that than all else; have had to sell White Plymouths, Rocks and White and Silver Wyandottes on that account.

Mrs. S. G. F.

Ellettsville, Ind.

Answer:—This habit is usually contracted during the winter when the fowls are confined in small quarters and do not have enough exercise. It is not the fault of the breed, but the way the fowls are taken care of.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer through your "Question and Answer Department." I received some Rose Comb Buff Orpington eggs from a fancier who claims he has about 60 varieties of chickens and the chicks are about feathered and they have some black feathers in their tails and around the neck. The tips of the feathers on some of them are black, that is, just the end of the feathers. The under-color is a nice buff. Are they to be buff throughout and will they do for breeders or will they not?

J. F. B.

Martinsburg, W. Va.

Answer:—The Standard calls for surface color to be one even shade of rich golden buff throughout. Under-color, a lighter shade, as free as possible from all foreign color. "Black or white showing in wings or tail shall be considered alike objectionable." These birds can be used for breeders, but it will take some time to breed all these black feathers out, and if you can procure birds with a solid buff color it would be advisable for you to do so.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please tell me where I can buy the egg cartons and egg stamps mentioned in your September number.

Mrs. E. S.

Genoa, Ill.

Answer:—These can be secured from the poultry supply houses. A number of whom advertise in these columns.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in your October issue the following: What is the Standard weight of Barred Plymouth Rocks, Single Comb Brown Leghorns and Cornish Indian Games?

Benson, Nebr.

Answer:—Plymouth Rocks—Cock, 9 1/2 lbs.; hen, 7 1/2 lbs.; cockerel, 8 lbs.; pullet, 6 1/2 lbs. Indian Games—Cock, 9 lbs.; hen, 6 1/2 lbs.; cockerel, 7 1/2 lbs.; pullet, 5 1/2 lbs. There is no Standard weight for Leghorns.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Will you please answer the following questions in your question department of your most valuable paper: 1. Is a concrete or cement floor in a poultry house harmful to poultry in any way? 2. What points distinguish the

standard bred Golden Laced Wyandottes? Please give the points or describe. 3. I had 100 hens in my poultry house last winter. The house is 16x12 feet. I got two and three eggs per day. Now, if two and three of these hens could lay why could not all lay?

E. J. S.

Cropsey, Ill.

Answer—First—No. Second—The American Standard of Perfection will give you the desired information. This is a copyrighted book and therefore we are not at liberty to publish descriptions therefrom. Price of this book is \$1.50 and no poultryman can raise exhibition stock without it. The new edition is just being printed, and if you will send your order to us same will be forwarded to you at an early date. Third—You had three times too many fowls in your house. That was the reason you did not get more eggs. The two or three hens that did lay were more vigorous than the others and therefore stood the crowding better and were able to produce a few eggs.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—How many chickens, for eggs, can be ordinarily handled on 12 acres open and eight acres in thin woods and about yearly profit? How many, if food is raised, and how many, if food is not raised? Rough estimate will do.

Fallston, Md.

W. A. H.

Answer:—This all depends on the care given and the convenient arrangement of houses and yards. Two thousand laying hens can be handled very nicely on a place of this size. Feed can be bought about as cheap as it can be grown, except vegetables. There should be a net profit of 50 cents per head.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Please answer in your next month's issue if poultry, in winter time, will be as healthy in steam warmed and well ventilated house as a house not equipped with steam? Also what process is used to produce all pullets or all cockerels, or as nearly as possible.

Omaha, Neb.

N. K. M.

Answer—Fowls will be healthier in a well ventilated house without artificial heat. There is no way of controlling the sex.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in your October issue the following: In the spring hatching I had three small chicks hatch which acted peculiarly as soon as hatched.

They would try to straighten up and when they did so their heads would jerk and continue so, striking their heads on their backs, and they then had no control of their bodies.

After twelve (12) hours, they would go jerking and tumbling heels over head constantly unless held. If I held their heads down and bodies firmly, they appeared to be bright and would want to eat, but if they tried to eat, they would

commence their acts as if it were St. Vitus' Dance.

Upon close examination there appeared to be the second head; the second head being at base of real head and on neck. It was a hard lump and shaped like the skull bone.

Last season my mother had three (3) chicks the same and knowing no remedy we killed them all. The father and mother birds were vigorous, bright and healthy—not related.

Will you kindly explain, if possible, cause, and give remedy, if there is any? MRS. H. A. H.

Great Falls, Montana.

Answer:—Where strong, healthy and vigorous parents are used for breeders, and the proper attention is given to incubation the percentage of deformed and crippled chicks is very small. But we know of no way to prevent it entirely.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: At a fair held recently I noticed a gentleman taking particular notice of the feet of a hen. Has the web or the joints of the toes anything to do with its being full bred. F. S. Kaukauna, Wis.

Answer—Yes. The gentleman you speak of was probably looking for "stubs," or feathers, or other disqualifying points.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Kindly tell me in your question department the following: First—How long after mating your flock of pure bred poultry, where the whole lot has been allowed to run with other kinds, does it take to insure pure bred stock? Second—Would it be better to breed from two-year-old stock than it would from yearlings? Third—Would you recommend mating an older male with yearling pullets or use male bird of same

age? Fourth—Would two-year-old stock be apt to yield more fertile eggs than young stock? Fifth—My yards and buildings all face the north. Cannot be otherwise. Can I do successful work with poultry under these circumstances. North Creek, N. Y. G. H. A.

Answer—First—From twelve to twenty-one days. Second—For early hatching the two-year-old stock would be the best. Third—Would recommend using a two-year-old male with pullets. Fourth—Yes; in the early part of the season. Fifth—Yes, if proper care and attention is given.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Will you please answer the following in your next issue: First—How do the Indian Games compare with the Barred Plymouth Rocks as layers? Second—What is the standard weight of Indian Games? Third—Please give the name of some good breeder of Red Indian Games. M. H. H. South Milwaukee, Wis.

Answer—First—Very favorably. Second—Cock, 9 pounds; hen, 6½ pounds; cockerel, 7½ pounds; pullet, 5½ pounds. Third—You will find them in the advertising columns of this journal.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir:—How many drakes ought I to keep with eight ducks, and how many ducks ought I to raise from eight ducks? I have a place to keep my ducklings, it is about a half an acre. How many pens can I have on that much land? How big must the pens be square, and how many ducklings can I keep to a pen? N. P. S. Pomona, Md.

Answer:—Four ducks to a drake is about the right proportion. With proper care and management you should raise about two hundred and fifty from eight

ducks, and this will probably be all you can handle on a half acre. Ducks are not like chickens—they do not crowd and therefore a large number can be raised together. One long house will be all that you will require and you can divide your place into as many yards as will suit your convenience, as 80 to 100 ducklings can be kept together.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer through your columns the following questions: I have a "hobby" of S. S. Hamburgs but cannot raise any. Other breeds I can raise plenty, but have no luck with Hamburgs. Are they so hard to raise or am I at fault? I treat them the same as other chicks. H. A. W. Chicago, Ill.

Answer—We are not aware that Hamburgs are any harder to raise than other varieties and are of the opinion that the fault is yours.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer in your next issue of your journal the following questions: First—A short time ago I sent for R. I. Red chickens and received a cock and a hen. They came by steamship and were two weeks on the way. They were confined in a box of about twenty inches long, one foot wide and fourteen inches high. When they arrived they had no feed or water. The water can was full of droppings. The hen had no feathers on her back to speak of; her back was red but not sore. I have had her about three weeks and there is no sign of feathers yet. She looks healthy otherwise and goes on the nest and cackles but lays no eggs. She is a year old. What is the cause of all this? Do you think it is caused by a disease? Second—The cock is about a year old, seems healthy enough and does

Many Women

depend largely upon their poultry for pocket money. They often double this pocket money by feeding green bone fresh cut. It will make their hens lay more eggs, make more fertile eggs, better hatches, earlier and heavier broilers and heavier market birds, because it is rich in protein and all other egg elements. Don't you want to make more pocket money this way? Just let us send you a

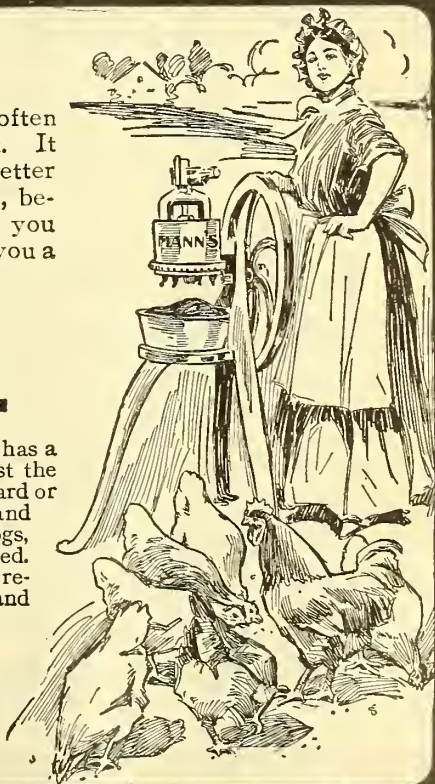
MANN'S Latest Model Bone Cutter.

Be sure and get a Mann's because Mann's is the Bone Cutter that has a patented self-governing feed that produces uniform pressure against the knives and adapts the cutting to your strength, whether the bone be hard or soft. Mann's is the one that cuts all the bone with the adhering meat and gristle into clean, fine food, without slivers or chunks and it never clogs, stalls or makes waste. Mann's has large open cylinder, easily cleaned. Mann's is durably built, will last practically a lifetime and requires few repairs. Don't you think Mann's is the Bone Cutter you want? Try one and prove it to yourself. No money in advance.

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service, but is in the habit of shaking his head now and then. Third—Would it be advisable to let three or four breeds run together out of the breeding season? Fourth—Salmon is plentiful here; would boiled salmon take the place of meat or would it do to feed the fish to them raw? Fifth—Where can I get sunflower seed to plant and what does it cost per bushel? How much does it take to plant an acre. C. R.

Catalla, Alaska.

Answer—First—By removing the male bird from the pen for a few weeks these feathers will come in all right this fall. Second—This is probably only a habit he has got into. Third—By removing all the male birds from the flocks the females of several varieties may be put together. The males should always be separated from the females after the

breeding season is over to give them a chance to get in shape for the next season. Fourth—Fish is good for poultry either cooked or raw, but care must be taken not to feed too much. Fifth—Sunflower seed can be obtained from any of the wholesale seed houses or from Eddy & Eddy, Mannheim, Ill. One bushel will plant about six acres and costs about \$3 per bushel.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Will you please answer a few questions in your journal? First—What is the cause of scaly legs and how is it cured? Would a hen with scaly legs be all right to exhibit by the last of November? Second—Will you please give me the addresses of buyers of crate-fed chickens? I wrote to a commission merchant but got no answer. Third—

How much sunflower seed and how often should it be fed to White Wyandottes? Decorah, Iowa. C. M. B.

Answer—First—Scaly leg is caused by a minute parasite burrowing beneath the scales, forcing them out from the leg by an accumulation of a white, crusty substance beneath them. Wash and clean the legs thoroughly with warm, soapy water, after which apply sulphur and lard, mixed into an ointment. A few applications is generally sufficient. If proper care is given the hen will be fit to exhibit by the last of November. Second—Consult the advertising columns of *Chicago Produce*, Chicago, Ill. Third—A small handful to each fowl twice a week is sufficient.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer in your next journal: 1. How big a coop should I have for a pen of White Cochins Bantams for winter quarters? 2. How many windows should I have and what size? 3. Is it better to have the door on the south side? 4. Does salt keep a white bird from turning yellow if fed in the mash feed? How much should be fed to a pen of Cochins Bantams? C. R.

Canton, Ohio.

Answer—A coop 6x8 will be plenty large enough. Second—One large one on the south side. Third—It does not matter. Fourth—No; a little salt once or twice a week may be given in the mash.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Will you kindly inform me in the next issue of your journal the following: Had a young pullet that was crop bound on grain. At first stood around with head drooped and crop down low; afterwards took to trembling and kept same up for about four or five hours and died. Can you give remedy to cure same or how to remove feed from crop? I bought some Barred Plymouth Rock eggs from a noted and reliable breeder and discovered when hatched that the legs were a dark color. Will they turn yellow when they become older? C. J. K.

Elkport, Iowa.

Answer—To relieve crop pour warm water down throat of bird, a small quantity at a time, and gently knead the crop with the fingers; then hold bird with head down and work the food out through the mouth. If taken in time a dose of sweet oil will very often do the work. The legs of a Barred Plymouth Rock should be yellow when hatched. They will not turn yellow with age; but, if anything, will become darker.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer following questions in your question and answer department: I have a stable 6 feet square, 6 feet high in front, 4½ feet high in back. Will a medium sized brooder using a No. 2 wick keep this stable warm enough in February and March? Brooder has no sun parlor. How much floor space would it require to raise enough chicks to have an output of twenty-five broilers a week? How many chicks would have to be hatched and how many eggs would have to be set? The broilers are to weigh 1½ pounds and the floor space to be considered outside of hover. W. K. S.

Lawndale, Pa.

Answer—A brooder with a No. 2 wick might keep it warm enough under the hover for the chick, but would not



PRIZE MONEY

FOR

Poultry People



To demonstrate, by a series of systematic tests, the very highest point of profit that can be reached by feeding "International Poultry Food," for increasing egg production, we have inaugurated a Prize Egg-Laying Contest.

We want to know just what results "International Poultry Food" will bring in the hands of the amateur and inexperienced as well as the expert poultryman. We want to know what even the girls and boys on the farm can do toward greater egg yields, and we propose to pay liberally for this information. We already have a great many complimentary letters from people who have fed "International Poultry Food"—some of them remarkable for results—but we want a great many more. So we have decided to offer cash prizes as an inducement to you to enter this great

INTERNATIONAL Egg-Laying Contest

and help us to ascertain, by these simple experiments, to what extent every hen owner can increase his egg production and also his egg profits by feeding "International Poultry Food." One extra egg a month will more than pay the cost of feeding our Poultry Food—all the rest of the increase is clear profit. Wouldn't you like to know just how much profit there is in feeding your hens right? We shall divide the contestants into two classes; one for boys and girls under 17 years of age—one for adults. This will give all an equal chance. Aside from the prizes offered much benefit will be derived; a good many more eggs will be laid than ordinarily, and a fund of valuable experience gained. The prizes will pay you well for your trouble—think of it

\$1.00 Cash Prize per Hen
\$100 Cash Prize for 100 Hens

300-Egg Hens

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As a breeder of fancy fowls and as a user of your "International Poultry Food" I cannot praise it too highly. I claim it possible by feeding your excellent Food to produce the 300-egg hens and pullets.
Very respectfully,
W. S. KERN.

Prizes of \$5 for 5 hens; \$10 for 10 hens, and \$20 for 20 hens fed ought to interest the girls and boys; while \$25 for 25 hens; \$50 for 50 hens; \$75 for 75 hens, and \$100 for 100 hens will be just like finding money for the winners in the adult class. Space forbids full detailed account of the Contest, but all information, entry blank and book, "How to Help Your Hens," will be sent free on request. If you mention this paper we will also send free, postpaid, to each applicant for entry blank a beautiful 6 colored picture of the famous **Fishel \$500 Rooster**.

"International Poultry Food" is sold on our \$1.00 cash guarantee by over 100,000 dealers.

Write today and learn all about this contest. Make your hens lay more eggs and win one of these cash prizes for you. Address **Poultry Dept.**

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"INTERNATIONAL LOUSE KILLER"
WILL KEEP YOUR HENS FREE OF LICE



have much effect on the temperature outside of the brooder. To have an output of twenty-five broilers per week you would have to hatch this number or more each week and as they would be from six to eight weeks old when marketed it would be necessary for you to have from 150 to 200 chicks on hand all the time. This number would require at least 300 square feet of floor space. We cannot say how many eggs would be required, as that would all depend on fertility.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Am having a little trouble with eggs hatching in an incubator and ask advice through your "Question and Answer" department. I had ninety-six eggs ready to hatch August 5; about twelve hatched and the balance died in the shell. I dampened eggs well before hatching time. It was a hot water machine, so I thought there was enough moisture. I have had good success before with same machine. What was the trouble?

J. M. T.

Brazil, Ind.

Answer—In hot weather it is necessary to cool the eggs every day and to supply the needed moisture. Poor ventilation and lack of moisture was the trouble.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Will you please tell me in Question and Answer column why my B. P. R. pullets don't feather out on the head and neck? I have them four and five months old and not a sign of a feather or hair. Why do my little chicks turn blue and purple over the eyes and nose clog up? What is the cause and remedy? Will this year's chicks be all right to breed from next season.

J. H. T.

Great Falls, Mont.

Answer—A lack of feather-forming material is the cause. A little salt fed in the mash two or three times a week will start the feathers growing. Your little chicks have contracted a cold. Give them a little lard and kerosene oil and rub a little on their head and throat. This year's chicks will be all right to breed from next spring.

EDITOR AMERICAN POULTRY JOURNAL.

Dear Sir: Kindly inform me in your next issue what the effect would be of using wood ashes to sprinkle dropping boards and for the dust bath. F. C.

Wibaux, Mont.

Answer:—Wood ashes has a very injurious effect upon the legs and plumage of fowls and we would not advise the use of same. Air-slacked lime mixed with road dust is better.

EDITOR AMERICAN POULTRY JOURNAL:

Dear Sir:—Please advise through your journal the cause of my chicks dying. They seem to be lively up to the sixth or seventh day; they then begin to droop for a day; then die. I feed the first week rolled oats; then after that cracked corn.

M. F.

Sugar Creek, O.

Answer:—Your method of feeding is entirely wrong. Start your chicks off with hard boiled eggs mixed with dry bread crumbs. After feeding this a few days start feeding steel cut oats, cracked wheat and a very little millet seed. This may be continued for three or four weeks, or whole wheat may be fed after they are two weeks old. Cracked corn should not be fed until they are about

Something to Crow About.



WHITE LEGHORNS,
BARRED ROCKS,
WHITE WYANDOTTES,
WHITE ROCKS,
BLACK MINORCAS,
LIGHT BRAHMAS,
also ANGORA GOATS
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RAT DOGS.

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FOR SUPPOSED PRIZE WINNERS WHEN YOU CAN GET

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FOR PERHAPS NO MORE, THEN IF THEY DO NOT WIN AS PURCHASED FOR, I MAKE THE PRICE EQUAL TO BREEDING BIRDS.

THE REARERS OF THE COVETED BLUE LEAD ALL OTHERS,
BUILDS UP ONES BUSINESS AND GIVES PLEASURE AND PROFIT
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OVER 2000 FIRST PRIZE WINNERS

BRED BY ELM POULTRY YARDS IN THE PAST 15 YEARS.
WINNING FOR MY PATRONS AS WELL AS MYSELF
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THIS HAS BEEN A BUSINESS WITH ME FOR OVER 17 YEARS.

EXHIBITION BIRDS FROM \$5.00 UP

3000 AND OVER LAYING BRED BIRDS, BRED ON SEPARATE
LINES FOR GREAT EGG PRODUCTION FOR STOCKING PURPOSES,
FAMILY USE AND SOLD AT PRICES IN KEEPING WITH SUCH. MY FREE
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WRITE YOUR WANTS TO DAY.



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TRADE MARK You don't have to feed any other shell-making material when you use **Pearl Grit**. It grinds—it makes shell—it's a double purpose grit, guaranteed absolutely to take the place of shells and grit combined. It nourishes and renews the bodily organs and furnishes shell material at the same time the grinding process is going on. It makes strong, healthy, prolific fowls. This is why

PEARL GRIT

is the most economical grit for poultry. It combines all the essential qualities of shells and grit. Chemical analysis shows 60% Calcium Carbonate (lime), 14% Magnesium, besides Iron, Silicon, Aluminum Oxides and other shell-building, muscle-making, egg-forming and feather-growing material. **Pearl Grit** retains its sharp grinding qualities to the finest particle; strengthens the bones and sinews of young chicks; has no dust and no waste—a clean, sharp, nutritive grit. By using **Pearl Grit** you accomplish two objects at once. Get twice the results with half the labor and for one price. It's a money saver and a profit maker. Write for prices.

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A Basket of Clover

Cut in proper lengths makes the eggs come. You always have the green stuff. No better cutting machine for poultrymen at any price than

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Cuts dependably into 1-8 inch lengths, never clogs with anything like fair feeding. Four 8-inch solid-center spiral knives, throat full cutting width, made strong, runs easy. Weight 60 lbs. For particulars, address,

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THE PARKS PARTRIDGE WYANDOTTES.
World's Fair Prize Winners. Stock for sale in pens, trios, pairs and singles.
E. A. PARKS, 211 West Brighton Ave., Syracuse, N. Y.

a month old, and then only once a day. Have grit and charcoal before them at all times. Keep your brooders clean and well ventilated and whitewashed and use plenty of lice remedies. To check bowel troubles give them boiled milk to drink and boiled rice to eat two or three times a week.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Will you please give a remedy for bowel trouble in chicks? The last two batches from my incubator have died from bowel trouble. Have been fed cracked corn, wheat and a mash made of corn and shorts occasionally. Their brooder is clean and dry and they are free from lice. C. G. G.

Girard, Kan.

You have fed too much corn and allowed your chicks to become chilled. To check bowel trouble give the chicks boiled milk to drink and feed them once or twice a day boiled rice, seasoned with cinnamon.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please tell me in your next issue the reason why my eggs did not hatch better. There were 110

chicks died in the shell. My first hatch came out fine. What was the cause of so many failing to hatch in the second lot?

Freedom, N. Y.

G. J. B.

Answer:—The climatic conditions were entirely different when you brought off your second hatch. The weather was much warmer and you should have cooled the eggs down oftener and longer, thereby giving the chicks more fresh air. There was in all probability a lack of moisture which should have been supplied. This can be ascertained by watching closely the development of the chicks within the shell.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Kindly answer in the JOURNAL under Questions and Answers the following: Have Buff Leghorns, White Leghorns and Plymouth Rocks; they are now all running together; in January I shall arrange separate houses for breeding and shall not set any eggs for a month after placing each kind by themselves. Will the mating of a Plymouth Rock cock with a Buff Leghorn hen now render the hen unfit for breeding pure Buff Leghorns in January, when mated with a pure Buff Leghorn cock?

Stock raisers object to scrub stock pairing with pure bred, even for but one time. Does it also apply to poultry?

N. C. W.

Sonora, Mex.

This is a question that is frequently asked and one that is most difficult to answer. Some breeders claim that if a pullet is allowed to mate with a male of another variety that she will throw off colored chicks as long as she is used for breeding purposes, but will not have this effect on a mature female. But whether this is a fact or not we are unable to say. Where it is necessary to let several varieties run together we always advocate the removal of all the male birds, and thus avoid all possible chance of a mixture of blood.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer a few questions in your next journal. I had a White Minorca cockerel, very highly scored, when he was in his best shape. He began to get thin; I noticed his comb became dark; at last he would not eat, and when I would lift him up blood would run from his mouth. I killed the bird and upon opening him

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, standard qualities have not been neglected. They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. Stock for sale. Eggs for Hatching \$2.00 per 15, \$3.75 per 30, \$5.00 per 45, \$10.00 per 100. From winners pen \$3.00 per 15, \$5.00 per 30. Illustrated circular free

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H. J. BLANCHARD

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Another Important Poultry Problem Solved.

SHADE!

SHADE!

SHADE!



If you want to succeed you must provide **shade** for your fowls. We have discovered a tree that seems better for this purpose than any other, and ask your consideration of the following points:

The cut herewith is a photograph from life. This tree was planted as a seedling four years ago. See the rapid and healthy growth. Its foliage measures 18 feet in width by 22 feet in height. Foliage is heavy and makes a dense shade, a protection from rain as well as from hawks. It responds readily to pruning and will grow as you shape it—tall or short, wide, flat or round, just as your fancy chooses, and is extremely ornamental as well as useful.

To live and make rapid growth fowls must have shade. White birds will get brassy without it and the plumage of dark colored birds will fade and tarnish if compelled to live in shadeless yards. We have trees like this growing in all our yards; some trimmed up from the bottom like cut, others trained to the ground so that the birds can get in under and have complete protection from storm, sun and hawks. The illustration shows more eloquently than words can how the poultry enjoy it.

We have a limited supply, about 2500 trees, in different sizes that you can get while they last at the following low prices, F. O. B. our farm in lots of six or more.

4 feet high	each	\$.50
5 " "	"	.75
6 " "	"	1.00
7 and 8 feet high	"	1.50
10 and 12 feet high	"	2.00

Special prices will be made for large lots

EDDY & EDDY, White Rock Poultry Farm, Manheim, Ill.

found three large solid growths which had very nearly filled his insides. They were of a white substance with bloodlike substance running through them. They looked to me like tumors. What would you call them?

Now I have five hens of the same strain and they have sore feet; they started with a scab on the bottom of the feet; then they would puff up and fill with blood and matter. What is the cause? The roosts are only about 18 inches from the floor and they have a good dry coop. Can you tell me what is the cause and would their eggs be good to use? They are all laying and have been since February. C. W. O.

Zion City, Ill.

Answer:—Your cockerel had tumors. Fowls are subject to these the same as the human race. It does not pay to doctor. The hens are afflicted with what is known as bumble foot. The foot should be soaked in warm water and then lanced and the blood and pus removed, after which apply carbolated vaseline. Keep the birds in a small coop for a few days where they will be unable to move around very much. We don't believe this will affect the eggs.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Would you please answer the following question in the next issue of your journal: What is the best time to hatch in spring to have pullets for winter layers and not too early so as to have them molt in the fall? I know when they are hatched too early they molt the same as the old hens and that

is a disadvantage to them as winter layers—that is in the early part of the winter.

Mrs. A. W. R.

Norman, Okla.

Answer:—Pullets hatched last of April or first of May will make good winter layers.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please tell me how to cure clover so as to have it for a food in the winter for my hens.

East Weave, N. H.

C. B. H.

Answer:—The second crop of clover makes the best feed for hens. This should be cut and cured in the shade if possible, as the sun bleaches it too much. After becoming thoroughly dry it can be stored away for use during the winter.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—My chicks, which were hatched in March, are dying. Can you tell me the trouble and cure in your Question and Answer Department.

First symptoms are pale heads; as disease progresses they become weak, with some diarrhea.

Droppings, when very weak, are whitish instead of green, as I believe is the case in cholera. The eyes are very dim; they seem almost blind, but will eat till almost dead. Have no lice. Live as much as a week after they are very sick and weak and two or three weeks from time they first look pale.

Lanark, Ill.

E. H.

Answer:—Every symptom points to lice and we believe if you will examine more closely you will find them. Give

them boiled milk to drink and feed them boiled rice, seasoned with cinnamon, once a day. Keep them in the shade during hot weather and give them plenty of ventilation in their roosting coops.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in your next issue of AMERICAN POULTRY JOURNAL the following questions:

1. How long will it take for a hen to lay fertile eggs after she is put with the male bird?
2. What is marketing weight for Plymouth Rock hens?
3. What kind of sale stock is Black Langshans, and do they lay well?

P. J. S.

Answer:—From five days to two weeks. 2. From six to eight pounds. 3. The Langshans are considered a good fowl both for market and eggs.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in Question Department of the JOURNAL:

Can light Brahmas be hatched in August and attain standard size as well as March or April hatched chicks? About what time the following year would they mature? About what size and weight should Barred Rocks be when four months old?

E. O. C.

Columbus, Ga.

Answer:—Light Brahmas do not mature as rapidly as some of the lighter breeds; but under proper conditions should lay at about eight months. Barred Plymouth rocks should weigh from 3 to 3½ lbs. at four months old.

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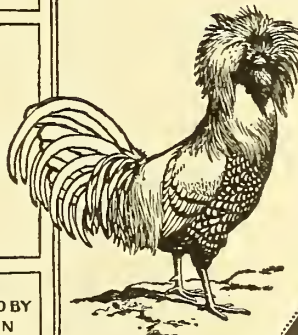
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High class exhibition and breeding stock and eggs for hatching for sale at reasonable prices. Write your wants to GEO. F. HOFFMANN, Cuba, Wis.

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1-05-1-yr



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W. H. MCCORMICK,
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SPECIAL SALE—YOUNG STOCK. Barred Rocks, White Wyandottes, winners every where. Choice cockerels this fall \$2, better ones \$5. Don't miss this chance, others buy, why not you. My stock will surely please.

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The Golden Rule Poultry Plant,
Mrs. Mary E. Schatzley,

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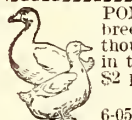
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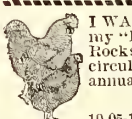
GIEBELHAUSEN'S WHITE ROCKS and S. C. B. Leghorns for sale. 50 large, vigorous chks. and 100 fine pullets bred from high scoring birds. If you want first-class breeders or exhibition birds write Jacob Gebelhausen, R. 34, Peoria, Ill. Please mention this paper.

10-1



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Golden West Duck Ranch
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Bradley Bros. Strain; the richest producing strain in the world. 300 choice cockerels and pullets, prices reasonable. Write for prices on stock you want. Satisfaction guaranteed or money refunded.

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MONEY IN THE GENUINE O. I. C. flogs. Our stock is the real thing and we sell them so you can buy. Also eggs from pure strain of White Wyandottes, best layers in light patent boxes, 15, \$1.25; 30, \$2; 50, \$3; or 100 \$5. Headed by 94% cock bird. Write for our circular, its free, and don't forget. M. I. DAGGETT Co. L. Box 59, Des Moines, Iowa

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Stock and eggs for sale. Thirty varieties. Stock scores from 90 to 96 points. Write for prices. Fourteenth annual circular free.

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Silver Penciled Wyandottes

To make room for young stock will sell trio from \$5 to \$15 (out of breeding pens). We have some bargains in cock birds. Columbians, sired by 3d World's Fair and 1st Detroit chl. \$10 to \$25 per trio. S. C. Buff and White Leghorns, \$5 to \$15 per trio; cockerels \$1.50 to \$5 each.

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in breeding and individual merit are the equal of any on the market and won at Chicago, Jan. 1905. 1st pullet, 2d cock, 2d hen, 3d cockerel and 2d pen. Choice breeders for sale at half price.

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1868 Nettleton's Lt. Brahmas 1905

Have the best lot of youngsters this season as to size, shape and color I ever raised, all line-bred. My Brahmas have won the blue at many exhibitions. A few grand breeding cocks for sale. Prices right, satisfaction given. A few White Cochins, grand birds, for sale. Write for particulars.

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My 1905 youngsters are now ready to make their bow, and a finer lot, both in style and plumage, it has never been my pleasure to see. They are simply immense.

Prize Winners by the Wholesale

Firsts, seconds and thirds. All cannot win blue ribbons, some must be satisfied with the red and others with the white. As I do not exhibit, there is a price on every bird. You can have first choice, will you take it? Write, describing fully what you want.

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Half Price

Rose Comb White Leghorns, Single Comb Buff Leghorns, Barred Plymouth Rocks, Light Brahmas. Good breeding birds \$1, \$2, and \$3. Catalogue.

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No other section is forging ahead so fast as the Southeastern States in agriculture, horticulture, factory building and general progress. Along the

SOUTHERN RAILWAY AND MOBILE & OHIO RAILROAD

are most desirable locations for farmers, stock growers and fruit raisers. Lands are the cheapest and most profitable in the United States, the climate pleasant and healthy, rain fall abundant, markets good. Land in large or small tracts on easy terms. Homeseekers' rates twice a month. The summer is a good time to investigate. Publications and special information furnished. Our department is a Bureau of Free Information for all seeking locations or investments.

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in the hands of my customers were winners at a large number of prominent shows during the past year. Birds fit to win in any company now for sale.

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Rose Comb White Orpingtons. Young stock this winter from winners of 1sts at Chicago, St. Louis, Madison Square Garden, N. Y. 23 pens for 1906, Royal Poultry Food, \$1.85; Chick Food, \$2.40 per 100 lbs.; Lice Killer, \$1 per gal. Belgian Hares, Literature free. Long distance telephone 376 R. J. W. Eastes, Box D, Galesburg, Ill.

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For the next 60 days I will sell my this year's breeders at half their value. Are you going to get some of this grand strain? First come first served. Get my prices for either cockerel or pullet mating. Please write just what you want.

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Burlington, Wis.

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Originator **EMMEL'S** "Gibraltar Strain Victor"

Light Brahmas, S. C. Buff Orpingtons and S. C. Brown Leghorns.

Won more firsts and special prizes at National shows the past six years than any competitors. Write, stating fully your wants for prices. Satisfaction guaranteed.

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If you are in need of any eggs for broilers let me supply you. I can furnish you eggs from the following breeds at \$4 per hundred. Buff or White Wyandottes, Barred or White P. Rocks. All pure bred and vigorous stock. You know as well as I do that the above are without doubt the best breeds for broilers. Write for prices on young stock.

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Hallock's White Wyandottes

won five out of six firsts at New York.
Stock for sale.

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from the best **BUFF ROCKS** write H. Beck, Ravenna, Ohio, for mating circular. Breeding stock for sale after May 15th.

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500 Buff Rocks

The best we ever raised. Will be ready for early shows. Write for prices.

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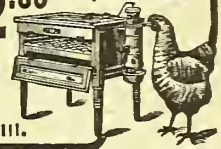
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Send me your name and address and I will send you formula for a treatment that cured me, has cured hundreds and will cure YOU, as surely as day follows night. J. Russell Scott, Jackson, Mich.

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Won wherever shown. No stock for sale. A limited number of eggs from the finest in the world. Send for circular and show record.

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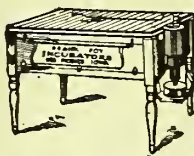
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Our new 84-page book for 1905 tells how to make it; also how to breed, feed, grow and market your poultry for best results. This book probably gives more reliable information about the poultry business, obtained from actual experience on the largest farm in America devoted exclusively to the rearing of pure-bred poultry, than any other book published. Describes and illustrates 23 varieties of our pure-bred fowls. Quotes extremely low prices on stock, eggs, incubators and brooders. Mailed for 4c in stamps.

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30 Chapters, 147 Pages, One Dollar, Postpaid.

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Box A 12, Milburn, New Jersey

HOUDANS!

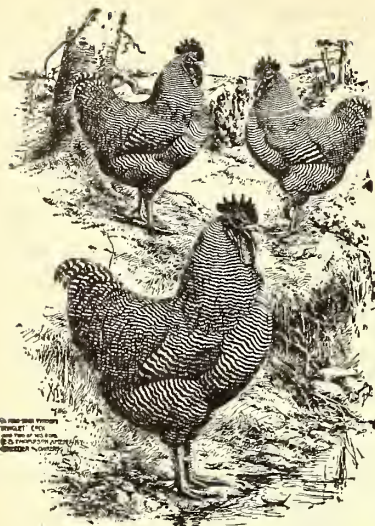
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The demand for White Wyandottes has been so heavy that at this early date we are sold out of surplus stock. The breeding stock we have retained for the coming season are White Wyandottes as White Wyandottes should be.

THOS. F. RIGG

IOWA FALLS, IOWA



"RINGLETS" Soar Still Higher.

At the Imperial Show of the Nation, Madison Square Garden, New York, January, 1903.

E. B. THOMPSON'S BARRED P. ROCKS

Stamped their superiority in the most decisive manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen and pullet. This is the third time the "Ringlets" have won this grandest of all trophies, giving them now absolute and final ownership. In this "COLOSSAL CONFLICT" the "Ringlets" lifted the great National Sweepstakes Cup presented by the American Plymouth Rock Club for best cock, cockerel, hen and pullet. My Barred Rocks won double the number of silver cups and special prizes of any competitor, including the sweepstakes special in gold for best Plymouth Rock on exhibition male or female any variety.

The "RINGLET" World's Record of four years in succession at New York is a page of history. The "RINGLET" World's Record of first on exhibition pen at this great show, three years in succession, is the undisputed champion.

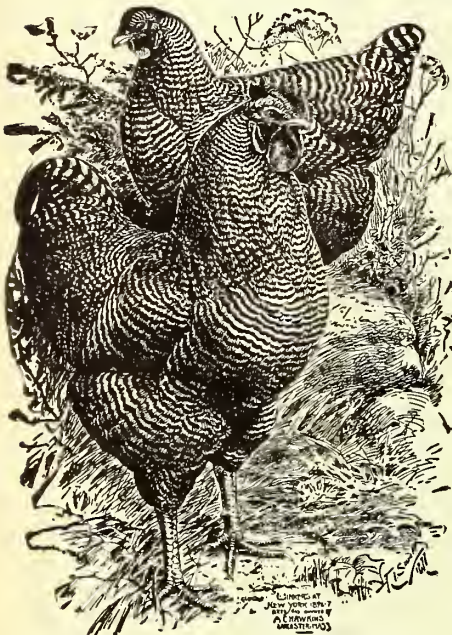
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ROYAL BLUE STRAIN

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EGGS FROM PRIZE MATINGS.	
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Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others. My matings this season are the best I ever owned. * * * * *

At the Great National Show, WASHINGTON, D.C., in hot competition with over 300 birds of these varieties, the best that could be found regardless of price, I won 45 Regular and Special Prizes on 39 Entries, including First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show (Bantams excluded), and this on my First Prize Barred P. Rock Cockerel. My winning White Wyandotte cock was pronounced by the judges to be the best they had ever seen. I won twice as many first prizes as all other exhibitors of these varieties. My BUFF ROCKS, at Boston, 1899, in hot competition, won more first and special prizes than all others. My customers are winning all over the country. If you want the BEST, write me. Hundreds of Choice Exhibition and Breeding Birds at Honest Prices. Catalogue of America's finest Plymouth Rocks and Wyandottes free.

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If its grand young stock you want, for breeding or for the show room, we surely have them in the choicest quality and largest quantity we ever produced. Brother, try us, just for your own sake. Give us a chance to show you and help you, for we can, and will honestly and truly guarantee to please you with such as Barred Rocks, Wyandottes, Leghorns, Games, Pekin Ducks, Wild and Bronze Turkeys.

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AMERICAN POULTRY JOURNAL

Vol. 36

November, 1905.

No. 11.



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Every bird good enough for the show room. They are beauties. Write for prices. Satisfaction guaranteed.

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SINGLE AND ROSE COMB Buff Orpingtons

Nearly 400 youngsters coming on. We will have fine ones, bred from high scoring stock, for fall trade. Look up our winnings and see we never lost a first prize. Write your wants.

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A fine lot of young stock now for sale, bred from prize winners. Write your wants.

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It's built round and packed with wool. Simple to operate. Estab. 30 years. Catalogue free.

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If your poultry isn't paying as it should, you are making costly mistakes. Our course of Instruction will quickly teach you how to make any yard (large or small) pay from 25 per cent to 50 per cent profit. Your knowledge and ours combined will make you successful. The individual home lessons, delivered regularly at your very door, are prepared by practical poultrymen who have by actual experience mastered the problems which worry nine-tenths of all poultry raisers. You get no theoretic instruction. After a little study you can discover your errors and overcome them. The directions are easy to understand and follow, and big paying results are sure. If you want to qualify yourself as manager of a poultry yard and accept one of the

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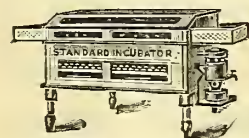
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My record has never been approached by any breeder.

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BOSTON, 1902. Silver cup, 1st cock, 1st hen, 1st pullet, 2d cockerel, all cash specials.
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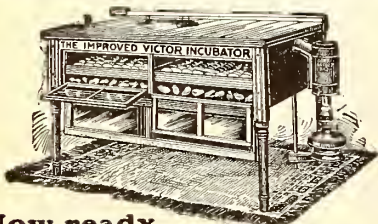
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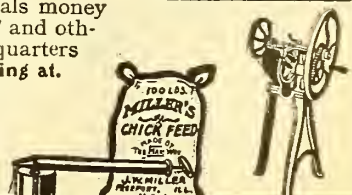
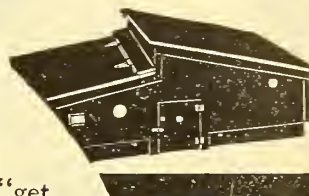
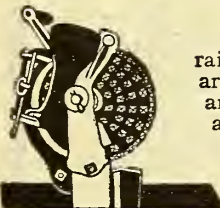
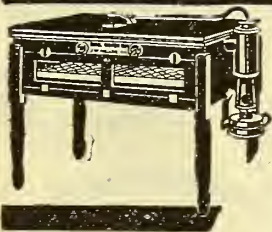
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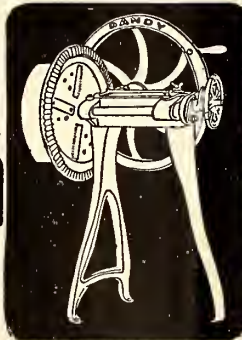
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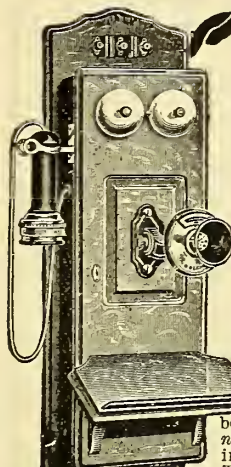
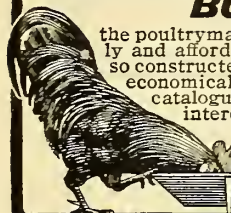


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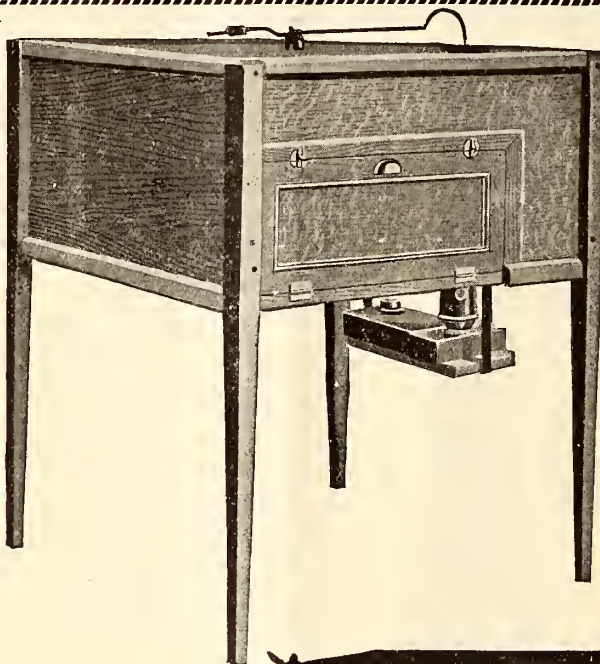
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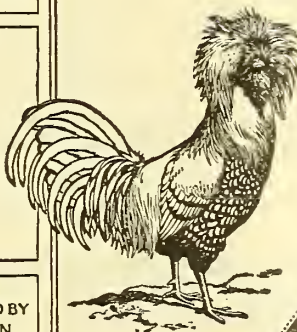
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No. 11.

RULES TO BE OBSERVED IN GETTING THE HIGHEST PERCENTAGE OF FERTILE EGGS

Hints on Housing, Feed, Care, Selection and Mating to Secure the Highest Percentage of Fertility.

First Prize Article in Our \$50 Prize Contest.

Written by L. Watson, M. D., Chesaning, Mich.

In writing on this subject I do so for the benefit of those who are just beginning the breeding of fancy poultry or perhaps launching forth in the market poultry business, and who have been or may be disappointed with their early hatches, either under hens or in incubators. The first thing in connection with the production of fertile eggs is the housing of the breeding stock.

The house should be well lighted, well ventilated and dry, no draughts, not necessarily too warm, with roosting quarters made snug and warm, with curtain to let down on excessively cold nights and retain body heat of fowls. Floor space of eight feet to each hen; earth floor is best. Nests under dropping boards or on ground, so that fowls do not have to jump up or down getting in or out of them. Provide plenty of nests so that hens do not have to crowd one another in the nest, thereby breaking the eggs, and this often is the commencement of the egg eating habit.

Dust baths should be placed in front of a south window and kept filled with road dust, which you should put away in barrels this fall to have for next winter's use. Nothing gives the fowls more enjoyment in the cold days of winter than this, and it is beneficial and necessary to their good health. A little sulphur and ground tobacco may be added occasionally. Boxes of grit and charcoal should be placed within reach; green bone and beef scraps may be fed in this way if desired. Drinking vessels should also be in the house proper. On the south side of the building should be erected a shed with whole south front open, except on cold, stormy days, when a canvas curtain may be let down to exclude snow or rain. This cover should be kept covered at least one foot deep with clover chaff or cut clover or straw. Clover is the best and must always be provided in winter. Buildings must be so arranged that the outside door may be left open every day without causing a draught. Perfect airing out of the house on the coldest days, if only for a few minutes, is necessary. Of course if wind is going to drive snow or rain into the house it should be dispensed with, but under no other consideration should this be omitted, as fowls require fresh air and plenty of it to keep them in condition, and I would rather have a house in which water would freeze in zero weather and dry than a warm house with damp covered walls when opened up in the morning. Keep dropping boards regularly cleaned and sprinkled with air-slaked lime, floor well swept, and we are now ready to select our breeding pen to occupy the quarters.

Study matings carefully. If male is defective in some particular, mate him with hens or pullets strong in that section. If you are a beginner or are not familiar with the requirements of the particular breed you now have, study your Standard, or, still better, have some reliable breeder mate your pens for you, and ask him as to why he does this, that or the other in mating. By this means you will gain valuable information on which to base future operations.

In selecting a breeding pen the male, of course, comes first; and always remember he is half your pen. After the Standard requirements have been fulfilled as to the particular

breed, see that the cock has bright red comb and wattles, bright eyes, erect carriage and elastic step, and is vigorous and active, and up to full size and weight of his breed. These points denote general robustness and health, and this is the very keystone of successful production of fertile eggs, as fertility is only assured from fowls in the pink of condition.

A two-year-old cock with pullets of full twelve months old may be allowed if the pullets are fully developed and have not been laying too long. If they have been laying since early fall the eggs will likely be of low vitality. A two-year cock with yearling hens makes the best mating for the production of vigorous, healthy chicks. Cockerels with yearling hens may be used with very fair success, but the best of all is the two-year-old cock with hens past one year. Now as to the number of hens allowed to a cock to ensure best results, mate as follows: Leghorns, Minorcas, etc., 15 to 20 females to one male; American class, Rocks, Wyandottes, etc., 10 to 15; Cochins, Brahmas, etc., 8 to 10. Of course much depends upon the individual male; one vigorous, active, prepotent male will give greater fertility than three or four sluggish, effeminate males. This will have to be studied in making up your pen. Where it is desirable to use two cocks to a pen it is better to allow only one of the birds at a time with the flock. The other one should be kept in a coop with plenty of water, grit and feed, being sure to supply plenty of meat in the ration.

This brings us to the matter of feeding the stock. That there is a difference between hens that are well and properly fed and those that are improperly fed, as is shown in fertility, strength of germs and vitality of chickens, none can deny. The chemist may not as yet have found its composition, but the difference exists just the same. Hens that are closely confined to limited quarters, where they do not get the necessary amount of sunshine, fresh air and exercise, even though well fed, are almost certain to produce eggs low in fertility and weak in vitality. Over-fat hens and very poor hens, if they lay at all, are sure to produce infertile eggs. To get fertile eggs we must get as near the hen's natural ration when allowed free range in summer, hence we must have variety of grains, green food in some form, meat to supply the place of the bugs and insects obtained when they have free range in summer, cut green bone and grit to aid digestion, charcoal as a corrective. In winter feeding I prefer in early morning a light feed of mash composed of ground oats, 15 pounds; ground corn, 25 pounds; bran, 5 pounds; ground barley, 10 pounds; linseed meal, about 2 pounds; thoroughly mix and moisten with warm water or milk, and mix thoroughly so that it will crumble up. Never feed sloppy feed to any kind of fowls. Feed this warm in winter; twice a week add a teaspoonful of salt for each twenty-four hens, and twice a week feed in the mash one-half ounce per hen of beef scraps; make this feed light so that they will still look for more. Now take your grain and throw in the litter in the scratching shed and thoroughly fork the litter over with a pitchfork; it only takes a few minutes, and the fowls have their day's work ahead of them.

About twice a week, at noon, I hang up a cabbage or mangel wurtzel cut in half lengthwise, just high enough so the fowls have to jump to get a morsel. This they enjoy very much, and if plenty of litter is kept under them is in no way injurious; otherwise on hard, bare floors they may injure their feet if of the heavier varieties.

At night I feed a full feed of either wheat, corn or oats, seeing that crops are well filled, for the fowls in winter spend nearly half their time on the roost, hence need the heaviest meal before going to roost; otherwise they are hungry before daylight.

Clover in some form must be supplied once or twice a week. I find a very nice way of feeding is to take a quantity of clover finely cut, put it in a large pail or tub having a tight-fitting cover, pour boiling water over it just before retiring for the night, cover tightly, and in the morning add ground feed enough to mix it up nicely. The fowls are very fond of it and eat it greedily, and the clover supplies the lime salts needed by fowls in confinement.

Table scraps should always be saved in the kitchen and added to the morning mash. Feed no condiments; feed at regular hours; give as much variety as you can, and see that each week the hens have mash, grains, meat, green food, cut bone, grit and charcoal, and also that they have to work to get it; and the eggs will prove highly fertile from the healthy stock with which we started.

Ventilation must be looked carefully after, as fresh air is another essential to health, and every day, no matter how

cold, have the door of the poultry house open for ten or fifteen minutes to thoroughly air it out. See to it that there are no draughts.

Now comes the care of the eggs, and right here is where a great deal of the trouble arises which causes poor hatches which are charged to the hen when in reality it was the fault of the person handling the eggs. In cold weather gather the eggs often in order that they do not get chilled. Keeping eggs lowers their vitality. If kept at too low a temperature the chilling injures them; if, on the other hand, the temperature is too warm, development begins. Just the proper temperature to hold the eggs at intended for hatching is not known, that generally recognized as best being between 55 and 65 degrees Fahrenheit. If kept in too dry a room eggs evaporate moisture very rapidly. They should, therefore, not be exposed to a direct draught of air. They should be turned daily in order to prevent the yolks adhering to the shell, in which case the vitalline membrane may become ruptured when eggs are turned. Eggs should prove fertile and may be saved for hatching four days after the male has been placed in the breeding pen. Most writers claiming that the second egg after copulation takes place is fertile.

In conclusion the features governing the production of fertile eggs are perfectly healthy and well developed breeding stock, variety in feed, plenty of fresh air, sunshine and exercise, care of eggs between time of being laid and matching.

L. WATSON, M. D.

Chesaning, Mich.

THE PROCESS OF MOLTING.

Care of the Fowls During this Period. What to Feed and Why We Feed it. Is Delicate Color and Gloss of Plumage Affected by Foods.

Second Prize Article in our \$50 Prize Contest.

Written by A. V. Meersch, Poughkeepsie, N. Y.

With the older fowls beginning to look ragged, and loose feathers becoming plentiful in the houses and runs, the poultry yard will be less attractive than at any other time of the year. The egg basket in addition will show a considerable falling off, many of the hens having ceased to lay. But to make poultry profitable the birds should have plenty of care during that period as well as attention bestowed upon them, so as to get them through the strain of moulting as soon and with as little damage as possible. Fowls that have their liberty and are well fed usually go through this period without much difficulty. Those that pass the night in warm houses will generally begin to moult sooner than those that roost in cool, open houses or on trees.

Special care should be taken that the birds have access to shelter during rainy days, as a thorough soaking when they are nearly bare of feathers is apt to result in an attack of roup or causing a chill, the effect of which will last for many months. Fowls that are confined in small places and diminutive runs should have plenty of green food during that time, lettuces that are running into seed being as good as anything for these purposes. Some Epsom salts will be found beneficial twice a week in their drinking water, as much as will make the water taste slightly. A little flower of sulphur mixed with the soft food and given in the proportion of a teaspoonful to every three fowls two or three times a week on dry days will help the new feathers to grow, and it will be most surprising to find what great benefit that sulphur does to lustre of dark colored fowls, especially blacks. It is of no use to place a piece of stick sulphur in the drinking vessels, as so many do, for sulphur is perfectly insoluble in water.

The cocks should always be separated from all hens while the moulting is in progress. They are often fierce and spiteful when changing their feathers, especially ill-treating some of the hens at feeding time. They will do well in very small quarters for a time if kept clean, fed well and allowed some grit. Exhibition baskets are sometimes used by some fanciers to keep the cock birds in at that time, a run of a couple of hours during the day being all the liberty they have allotted to them. Small and warm surroundings such as these promote and quicken the moult, which is a longer business for the cocks than for the hens, owing to the time the sickle and tail feathers require to grow.

Any birds that are likely to be required for show purposes must be kept out of the hot sunshine, or they will become tinged and sunburnt. Old hens that are to be gotten rid of and which are intended to kill for the table should be disposed of just as they begin to shed their feathers. It is not always easy to tell from the appearance of a hen

as she runs about whether she has begun to moult or not. Some hens will stop laying and will hardly eat anything at all for a few days and yet not shed any feathers, till they suddenly appear almost bare. They will loose flesh most rapidly during the interval after they have lost their appetite. If a visit is paid to the henhouse just after they have retired to roost, those that are still laying will be found with their crops full, while those that have stopped laying will have but little food in them. No great mistake, therefore, can be made if those hens that are on the perch at that time with empty crops are selected for killing as early as possible. The poultry house should be kept clean, or the accumulation of loose feathers in the corners will tend to the increase of insect vermin.

If the comfort of the hens is well attended to during the moult they will pass through it with unimpaired health and eggs will be plentiful afterwards, when they are most valuable.

Poultry are particularly sensitive to atmospheric changes when they are moulting. The house in which they roost must be water tight, and they should have shelter to which they can retreat when there is wind, and rain as well. To some extent the moult can be hastened, and this is taken advantage of by those breeders of certain fowls for exhibition at the early fall shows. They place those birds needed for this purpose in warmly sheltered houses so that the increased temperature will cause them to shed their feathers quickly and hence hasten the moult. If the hens are of an incubating breed and it is wished that they should moult early, this can be brought about by allowing them, when they become broody, to sit for ten days or so on a china egg and then removing them to a small confined pen. This will cause them to drop their feathers all at once almost and quickly grow their new plumage.

Though an early moult is generally easier for the fowls and takes less time, it may be advisable to keep the hens in full lay as long as possible, so that the pullets may commence to contribute to the egg basket when the older birds leave off. To defer the moult the hens should roost nightly in a cool place; the door of the house should be kept open day and night, of course, avoiding draught.

The food whilst the change of plumage is proceeding should not be of too heating a nature. Spices and stimulants are not at all required at this time. The diet should include plenty of green vegetables, and in mixing sulphur with the soft food due regard should be taken that sulphur has a most laxative effect on all fowls. Some fowls, when the moult first begins, will not eat at all and appear very seedy

and ill. They are inclined to remain on the perch; so it is as well to look into the house when the birds are fed in the morning and bring out any that are unwilling to come out themselves. As a rule the non-sitting breeds feel the moult more severely than the sitters.

The time for moulting is usually from June to November, sometimes extending well into the winter; but the moulting period is not the same with all hens, or does a single hen



WHITE WYANDOTTE MALE.

Owned and Bred by George W. Brown, Camden, Ark.

begin at the same period every year, but usually a month sooner or a month later. For instance, a hen beginning to moult in June may not begin the following year until July, and such a hen will moult later every year until her moulting period reaches into the winter, if such a hen be allowed to live over her usual laying period. The hens that begin to moult early are those that finish their moulting and are ready for laying again before winter commences. Having then completed their growth of feathers they are in excellent condition for doing service; but should the process of moulting extend into the winter the hens that have not finished will probably not lay until spring next. Consequently the matter of moulting is one which all who are interested in fowls must consider.

The moulting process really requires three months, and as the production of feathers requires a large proportion of nitrogen and mineral elements, it becomes necessary to supply the fowls with something more than grains and grass. Carbonaceous food exclusively is detrimental to the moult, as the hen is inconvenienced by the fat stored on her body rather than benefited by it, and the majority of poultrymen feed liberally upon grain their moulting hens, in the belief that such a food is the best that can be given to them. The food should consist principally of ground meat or cut green bone that has a fair proportion of meat hanging to it, but all fat to be avoided. A mash composed of bran and mashed potatoes will provide an agreeable change, while ground bone, milk and a little powdered sulphur in the food two or three times a week will be found very beneficial. All hens not yet having commenced to moult will prove poor layers before Christmas, and if such hens are fat they should be disposed of soon. It is a well known fact that if a hen or pullet does not begin to lay before cold weather sets in she will perhaps not begin to lay before the early spring, but if she starts to lay before the winter begins she will continue to lay for a long time or until she becomes broody perhaps if of an incubating variety of fowl.

Pullets hatched the former spring will not begin to moult until the following year as a rule, as only the hens will moult in summer, but a pullet that was hatched very early in the year, about January or February, may moult, although the chances are that she will not do so until next year.

Clean, dry quarters should be provided for the hens that are moulting and lice must be kept down, as the hens that are moulting will quickly succumb to lice, owing to the debilitating effects of the process. As to the males, they should have been sold off long ago, as it does not pay to keep one that is moulting, unless such male possesses some characteristic that is sought for, and the sooner all other males are sent to market or killed for sale or home use, the higher prices they will bring.

Moulting is certainly a very trying experience for fowls to go through year after year if they are allowed to live without being killed off and to have them come through with a new suit of plumage and be in good laying condition is the problem with which every poultry raiser has to deal. The easiest and most profitable way after all of caring for fowls during this period is to try and get them to moult as early as possible. We say easiest because the fowl that is slow in moulting is in bad health; then this critical period should be shortened and hastened as much as possible. One of the easiest and best methods ever put into practice for hastening the moulting season is to feed the fowls with all the sunflower seed they will eat, and this in addition to hastening the moult will be found to have a great deal to do, also by benefiting the shades of color of plumage of dark-colored birds as well as favoring a rich golden tinge to white birds, especially on the hackle and saddle of the males, and if fed on corn and wheat specially and a little sulphur to the soft food, which will nearly equalize it. In this way you can bring the fowls to moult whenever it is wished (perhaps not entirely while you wait), but they will be kept in good health as well in this chosen way of practice.

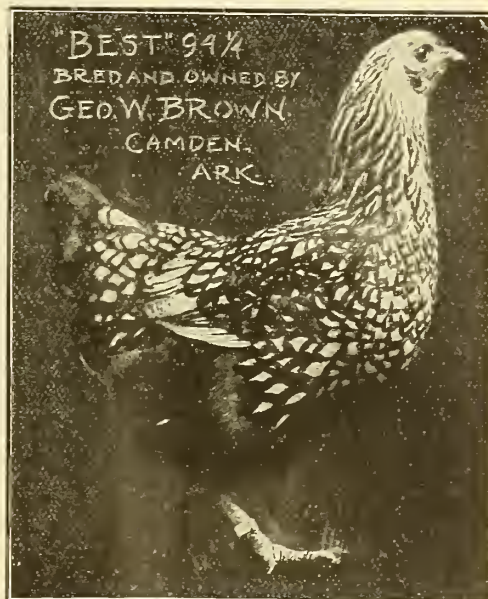
Should a hen still persist in laying change her from one place to another; if she runs at liberty coop her up.

Our plan is to bring on the moulting season by feeding as described and make the period one of rest as much as possible.

If a fowl by chance should droop, as sometimes is the case, give it a tonic of muriatic tincture of iron; one teaspoonful to a gallon of drinking water will suffice. Allow plenty of sharp grit and occasionally mix clean sand in their soft food and a pan of crushed charcoal where they can have free access to it is a good additional precaution during moulting.

As stated previously, all fowls must be kept free from lice during the moult or they will become so debilitated that it will take all the fall to recuperate, and in that case you will get no eggs again until next spring.

As the legs are a part of the moult, which is seldom thought about by any one, if you want decided yellow, white



SILVER WYANDOTTE FEMALE.

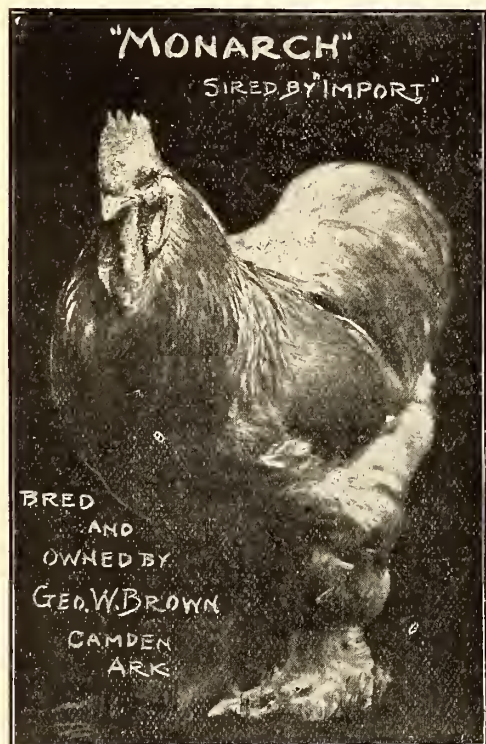
Bred and Owned by George W. Brown, Camden, Ark.

or black legs, as the case may be, have a shed large enough so that the fowls can be fed in it. Therein have about six inches of sand on the floor and into this sand scatter the grain and rake it well under, leaving just enough on top to encourage the fowls to scratch for more. This sand should be perfectly clear and free from any foreign substances that are apt to discolor the legs and feet. If the sand is

nice and white, as well as clean, it will get all the dirt out of from under the leg scales that one has so much trouble with at show time. If some fowls have a few scabs or scaly legs and the legs are yellow treat them with sulphur and lard, adding a few drops of carbolic acid. This applied to the legs about four times two days apart will generally clean the legs if not too scaly. When you find one that is very badly affected first apply coal oil the same number of times and then follow with the lard and sulphur. I shall here state, although not relating to moulting, that from experience the worst cases of scaly legs can be cured by taking the fowl in hand and plunging its legs and feet in a tin containing coal oil for exactly three minutes by the clock and, after retracting them, let the bird run. The next day it may be found that the fowl so treated will do nothing but lie down, but the next day will be as well as ever and every particle of scale will drop off in less than two weeks. This very efficacious cure will not at all spoil the plumage of a feather-legged fowl.

Returning to our subject will say that with constant scratching in the sand and the grease on their legs it will not take long to have them polished up like young legs, and they should, if the right color was there once to begin with, be as bright as those of the youngest fowl. For white legs use oxide of zinc in lieu of sulphur.

Poultry requires strict attention during their moult, as more diseases are contracted at this time than at any other, and by the use of good, sound food, pure water, plenty of room and good, clean quarters only can it be pulled through with safety. The heavy strain upon the constitution of fowls in casting their entire coat of feathers and putting on a new one is much greater than any one could possibly suppose, and if the best care is not given them they become reduced in condition to such an extent that the liability to contract diseases is such that they scarcely escape it. The



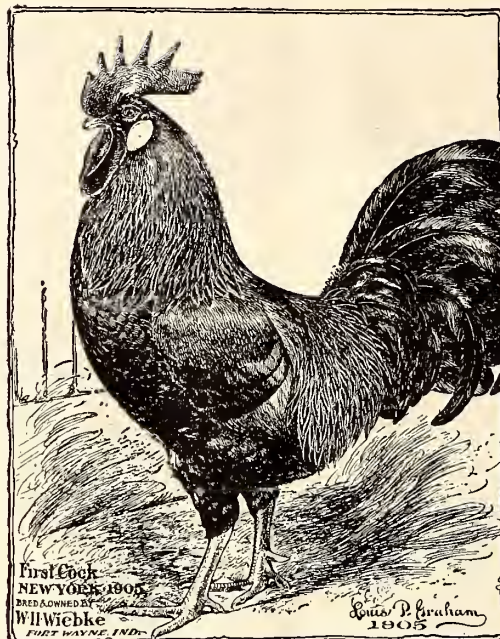
"MONARCH"
Sired by "IMPORT"

BRED
AND
OWNED BY
GEORGE W. BROWN
CAMDEN
ARK.

BUFF COCHON MALE.

Bred and Owned by George W. Brown, Camden, Ark.

sound grain and by no means the refuse of anything. Do not confine to one variety but different varieties. Corn, wheat, oats, kaffir corn, millet, buckwheat; any good sound grain they relish, and occasionally a little sunflower seed if it can be conveniently gotten, and a wheat ration once or twice a week. The importance of good, pure water cannot be overestimated during moulting time, and twice a day



SINGLE COMB BROWN LEGHORN.
First Prize Cock New York, 1905. Bred and Owned by W. H. Weibke, Ft. Wayne, Ind.

is not too often to change it, and to this may occasionally be added a stimulant for the occasion by taking two ounces of sulphuric acid and one pound of sulphate of iron and dissolving the two ingredients in one gallon of water. This should, if used, be carefully corked up in a jug and about twice a week one tablespoonful added to each gallon of drinking water used. Air slacked lime has been largely used during the moulting season of late years and by many recommended to scatter freely in the poultry houses. We have used it but have entirely abandoned it, as air slacked lime produces an irritation to the nasal organs of the birds and colds follow, and all poultrymen know what follows colds—the deadly roup!

The very hot weather we have had this season has had the effect of causing many fowls around here to go into an early moult. This is desirable for many reasons, the birds getting through the moulting process before the cold weather sets in so much desired without the ill effects that often result if the moult is deferred until the variable temperature and heavy rains have arrived, and the stock birds commence to lay sooner and are in better condition for producing strong and healthy chickens. Those fowls, too, that moult early have better and less trying time than those that change their plumage later.

In recapitulating the items desired upon the moulting subject can simply say: (1) Feed to be used and given has been duly mentioned; (2) care of fowls, all possible has been said; (3) delicacy and gloss of plumage, all that could be said is to be sure to use powdered sulphur and sunflower seed with best of effects upon it; (4) treatise in general on the moulting subject thoroughly entered into as it reads.

Poughkeepsie, N. Y.

A. V. MEERSCH.

Some of the causes of roup are sudden and extreme changes in temperature, damp houses and draughts. It is generally easier to prevent the disease than to cure it.

Overcrowding is one of the worst and most frequent mistakes made by poultrymen.

Have your fowls so tame that you can go among them without causing fright. You will get better egg production.

Unless you use the proper amount of precaution, you will raise a large, healthy crop of lice.

worst thing that can be done is to crowd too many in one roosting place at night-time in badly ventilated and unclean quarters. Make everything clean first and use disinfectants. The best disinfectant that has yet been tried is crude acid and coal oil, about one pint of the acid to one gallon of kerosene. Use this cleverly and do not be stingy with it. Thoroughly paint the roosts and dropping boards, and, better still, the entire inside of the poultry house. Paint the roosts once or twice a week if convenient during the moulting season. Allow no more fowls in one house than there are roosts to accommodate them by giving each fowl enough space so that it may sit down without touching another. Feed good

ORIGIN AND HISTORY OF THE BREEDS

The Silver Wyandotte the Product of the Efforts of Many Men Working Along the Same Lines in Different Parts of the Country—The Original Intent Was to Give to the Fancy a Sebright Cochins Bantam—The Size Proved Too Large for a Bantam and Too Small for a Sebright Cochins—For Years the Warring Factions Could Not Agree Upon a Standard, Some Wanting Single Comb, Others Demanding a Rose Comb—Trials and Troubles of the First Member of the Now Most Popular Family of Standard Bred Fowls—The Varieties of the Wyandotte.

Paper No. 4.—The Wyandotte Family.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal

To write even briefly of the history and origin of the Silver Wyandotte fowl is to court trouble. So much has been written that is false or only partly true; so much truth has been told and this truth ridiculed and denounced; so much of the productive efforts of hardworking, ambitious fanciers has been rejected and honorable names tarnished. Above and beyond this there has been, is now and always will be, evidently, an honest difference of opinion as to the true facts regarding the origin of the Silver Wyandotte.

Prior to their admission to the Standard in 1883 there were no recognized Wyandottes. An attempt was made to secure for them official recognition in 1877.

The first mention in public print made of these new fowls appeared in *Poultry World*, March, 1876. Mr. D. W. Hooker, writing on "New Varieties," had this to say of American Sebrights, or Sebright Cochins:

"Where and how this variety originated I am unable to state after diligent inquiry. It has marks of both the Brahma and the Hamburg. The head is crowned with a good, double comb; wattles and earlobes both red and of medium size; hackle black, striped with white; back broad, with black Brahma-like tail; breast white, deep and broad, and back and breast feathers deeply laced; wings, primary feathers mostly white, and lower wing coverts tipped with black, making a distinct bar; legs short and slightly feathered; coloring throughout clear black and white, with a tendency to gray on the hackle and saddle; weight about eight pounds for the cock and six pounds for the hen. Their valued points are that they are good layers the year round; they are not troublesome to break up from sitting; they are fine for the table, dressing a rich yellow; and, while being good foragers, they are not disposed to fly.

"Though possessing the characteristics of a pure breed, so marked as to be distinguished the moment the eye rests upon them, they have not yet bred true enough to feather to knock at the door of the Standard. There is yet much variety in the lacing; in some the comb shows yet the 'pea,' and in others the Hamburg point. Some are also clean-legged. But with careful breeding they have a prospect of becoming one of the most valued of our domestic fowls. I trust their breeders will not knock (apply for admission to the Standard-Editor) until their points become so established that the fraternity shall bid them a cordial 'come in'."

Mr. L. M. Kidder contributed the following to the same journal, November, 1877, in writing of this fowl:

"In size they are much like Plymouth Rocks; in form they are like no other fowl; bodies are very deep and wide, carrying a large amount of the very best quality of flesh. In color, as the name seems to indicate, the breast of the cock and the entire body of the hen much resembles the beautiful white and black of the Silver Laced Sebright Bantams, except that the lacing is broader. Hens' necks are striped like Brahmas', and they have a glossy, green-black tail, a little larger than a Brahmas'. The hen has a very low, flat rose comb. Her weight at maturity is six to eight pounds. The color of the cock, except the breast, is much like that of the Dark Brahma, but the form is more like the Dorking. Weight, eight to eleven pounds. Both have, or should have, clean, bright yellow legs, free from feathering. They are very quiet, sociable birds, excellent layers, sitters and mothers, without that inveterate sitting propensity of all Asiatics. The chicks feather early, grow plump at six weeks, and are prime for the table after eight weeks old. They are very hardy and healthy, and for general food qualities I have never raised their equal."

Francis Soule showed some of these birds as American

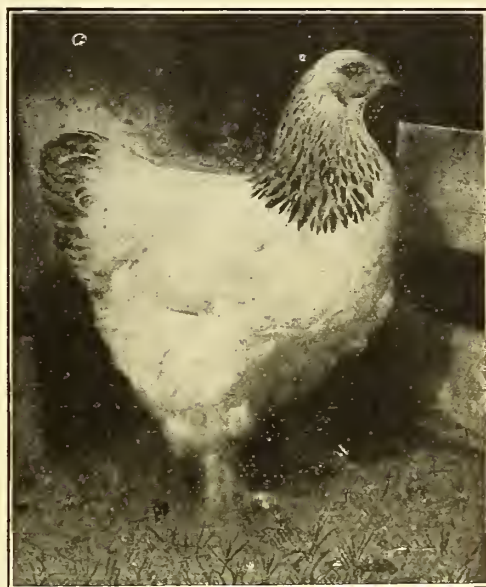
Sebrights at the Boston Exhibition in 1878. Writing to the *Poultry World* in September, 1879, he said:

"At the last exhibit of the Massachusetts Poultry Association, held in Boston, I called the attention of two of the committee to my fowls and asked what prospect there was of them being admitted to the Standard. They said they were fine birds and the breeders of this variety should agree upon the Standard. But as long as some want single combs and some rose combs, some feathered legs and some smooth legs, they cannot agree to admit them."

It is a matter of record that at that time Mr. Soule endeavored to have the breeders agree upon the rose comb. Here, then, was plainly the Silver Wyandotte in crude form.

Mr. I. K. Felch, who attended the 1877 meeting of the American Poultry Association, at which time the newcomers were refused admission to the Standard, wrote as follows:

"It was without doubt the intention with the first cross to produce an improved Cochins Bantam, the cross being a Sebright Bantam and a Cochins hen. When the size proved too large they offered and illustrated as Sebright Cochins. This suggested the cross of Silver Spangled Hamburgs and Buff Cochins. These two crosses, mingled with another cross through a half-breed and a Cochins hen, became the blood mixture of the early birds offered to the American Poultry Association as American Sebrights. Their friends could not



A Prize Winning Light Brahma Pullet, Owned by I. N. Barker & Son, Thorntown, Ind.

agree as to the comb being single or double, as it was then expressed, and, the name being so suggestive of an American Bantam, the request was refused and the matter referred back to the committee."

Mr. J. Y. Bicknell, in the *AMERICAN POULTRY JOURNAL*, January, 1886, said:

"Birds similar to the Wyandottes were bred in Oneida County, New York, as early as 1866. Mr. Payne made an attempt to have the American Poultry Association recognize them in 1877, but failed simply because the specimens offered were pronounced unworthy of recognition."

Mr. L. Whittaker in 1904 wrote to Mr. T. E. Orr concerning this meeting *The Poultry Book*:

"My birds were not represented there. Mr. Payne afterwards wrote me, admitting that it was a motley lot of birds, no two breeders agreeing on name, comb, etc."

Mr. I. K. Felch, in *The Poultry Book*, page 655, further says:

"There is no disputing the fact that at that time Ray, Baker and Rev. Benson were breeding them as Sebright Cochins; that the first cross was a large Sebright Bantam cock with a Buff Cochins hen; that this was subsequently crossed by Hamburgs; that Kidder did introduce Dark Brahma blood and then the Silver Spangled Hamburg male. All this came out at the Buffalo meeting in 1877. I have Ray's letters, dated 1871, with an endorsement on the back in 1886 by A. S. Baker, that show that the first cross was as early as 1864 to 1866. Ray was one of the two or three breeding these birds in 1867, but the fact that he was hunting for crosses to breed to his shows that there were others



ARNOLD'S "BIG FOUR."

Bred and Exhibited by Aug. D. Arnold, Dillsburg, Pa.



at it, too. Between 1877 and 1883 there was another top-cross and the blood of the French Breds and the Hamburg was added—also light-colored specimens of the Dark Brahma. Ray, Baker and Benson were the starters, but these other crosses were added before they went into the Standard in 1883."

It will thus be seen that prior to 1877 several persons in different parts of the country were engaged in an effort to produce the best American Seabrights; that production of these fowls were made about the same time by several persons; that in color the desire of all was to produce the well-defined lacing of the present Silver Wyandotte; that these birds are the foundation upon which the Silver Wyandotte has been builded; that upon the suggestion of the American Poultry Association in 1877 the breeders of the American Sebright and Sebright Cochins got together and agreed upon what they deemed should be the Standard requirements of their creation.

To Mr. L. Whittaker, of Michigan, is due the credit of picking up the fragments of these early crosses, developing them into something tangible and of giving to the world the best in the foundation upon which the Standard Silver Wyandotte of today rests. In a letter to Mr. T. E. Orr (*The Poultry Book*) Mr. Whittaker wrote:

"I do claim the honor of bringing order out of chaos, of shaping up the breed to what it finally became—a large, round-bodied bird with Sebright lacing, rose combs and clean, yellow shanks; of so illustrating it in 1874 and of naming it the American Sebright in 1877; that the same bird was admitted to the Standard in 1883 as the Wyandotte on practically the same Standard description as I had used for years but which was written by Mr. Felch in 1881, he at that time preferring the name Hambletonian."

Mr. Whittaker's position is safe in history and time will not take from him the honor which is his by right of effort and practical results obtained.

Mr. F. A. Houlette, of New York, suggested the name Wyandotte, which was accepted by the warring factions as a compromise.

The original Wyandotte became known as the Silver Laced Wyandotte upon the admission to the Standard of the Golden Wyandottes. We have always held that it was a mistake to admit any other fowl to the Standard as Wyandottes.

WYANDOTTE BREED CHARACTERISTICS.

The Standard calls for the following weights in all varieties of the Wyandottes: Cock, eight and one-half pounds; hen, six and one-half pounds; cockerel, seven and one-half pounds; pullet, five and one-half pounds.

The Wyandotte is a bird of curves. No straight lines in the form of a Wyandotte can be tolerated. A long back, such as we find in a Plymouth Rock, would rob a Wyandotte of grace and beauty of form. There must be no breaks and no angles. The body must be rounded out and full in every section. The typical Wyandotte is set low on legs, and stilty appearance being foreign to a good specimen. The breast is carried low, giving the fowl the appearance of tipping forward slightly. The Wyandotte rose comb is distinct and must not be on the lines of other rose combs, such as that of the Hamburg or Rose Comb Leghorns. The Wyandotte comb must be free of any coarseness and should follow the curvature of the head.

In color the Silver Wyandotte is one of the most beautiful of all feathered creatures. The male must, above all else, be silvery in color, free from any brass or smut. The wing bar is one of the crowning beauties of the male. This is formed by the wing coverts, the lower half of each feather being white with a black edging. There should be two of these bars, well defined. The hackle is silvery white with a distinct black stripe through the middle of each feather, terminating before it reaches the end of the feather. Breast and thighs solid glossy black. There must be no tinge of white or gray in these sections. Tail black.

Color of the female: Head plumage, silvery gray; neck, silvery gray, with a black stripe through each feather, tapering to a point near the extremity of each feather; back, web of feathers black, with large oval-shaped white centers, which must be free from black or bronze. Feathers in the body and fluff should be black in the web, with oval-shaped white centers. Wings, primaries, black, with the lower edge white; secondaries, black, the lower edge of the outer web being white, with narrow black edging. Tail, greater coverts black; lesser coverts black with white center. Comb, wattles and earlobes, a bright red. Eyes, bright red or bay. Beak, dark horn, shading to yellow at point. Face, bright red.

THE GOLDEN WYANDOTTE.

The younger generation of fanciers have not seen such a condition of excitement as reigned during the days closely following the admission of the Wyandotte to the Standard.

It is not at all strange that the Wyandotte family rapidly increased in numbers. As Mr. Stoddard put it in his *Poultry World* at that time, "The country is (was) Wyandotte crazy."

The Golden Wyandottes were the second variety of the breed offered the fanciers. The honor of their origin belongs to Mr. Joseph McKeen, of Wisconsin. He produced a fowl the product of a cross of Rose Comb Brown Leghorns, Pea Comb Partridge Cochins and buff-colored females; these crossed with Golden Sebrights and Buff Cochins. These Golden were, of course, very crude in color markings compared with the beautiful Golden Wyandotte of today, and it took years of thoughtful, skillful breeding to produce the beautiful and brilliant colors now so well blended in the Standard Golden Wyandotte.

The Standard requires of the Golden Wyandotte the same color distinctions as it does of the Silver Wyandotte, except that "golden bay" be substituted for "white."

WHITE WYANDOTTES.

The White Wyandottes, now the most popular of all the Wyandotte family and the leaders in point of numbers in nearly all showrooms, especially in the larger and more important exhibitions, was admitted to the Standard in 1888. It has been held that they were in existence prior to 1870, but the claim cannot be substantiated. It is a fact that the early Silver Wyandottes did produce both black and white sports (as they do today), but it was long after 1870 that the Silvers were anywhere nearly established in color markings. So it is that these very early white sports cannot be considered as having been White Wyandottes. Certainly it is that at that time they were not deemed worthy the attention of the fanciers. It was somewhere between 1880 and 1883 that the white sports were given attention. To Mr. B. M. Briggs and G. W. Toule belongs the credit of bringing them before the public in good form.

For a time the White Wyandottes enjoyed a great boom. Then came the decline of the Silvers by reason of unscrupulous breeders sending out stock possessing but little worth. The Whites suffered with the Silvers, and for a time the demand for them was not large. Now all is changed. Worth won out, as it usually does in this world, and the once neglected Whites are the leaders of today.

In plumage color the White Wyandotte must be chalk white throughout. Red, buff or black in any part of the plumage is a disqualification. Gray in plumage does not disqualify, but a specimen showing any of it must be severely punished by the judge.

BUFF WYANDOTTES.

No individual fancier can justly claim the honor of having given the beautiful and useful Buff Wyandotte to the world. Between the years 1886 and 1893 various fanciers throughout the country were striving for the production of a fowl buff in color having Wyandotte shape and characteristics. Here are some of the crosses employed in the production of the Buff Wyandotte:

Silver Wyandotte-Rhode Island Red. This was the R. G. Buffington foundation.

Golden Wyandottes with Buff Cochins.

Cross of White and Golden Wyandottes bred to Buff Cochins.

Golden and White Wyandotte crosses bred to Golden Wyandottes.

Buff Cochins bred to Golden Spangled Hamburgs.

After years of intelligent and systematic breeding the Buff Wyandotte of today was produced.

Buff Wyandotte color: Surface color an even shade of rich golden buff, free from shafting or mealy appearance. Black or white so commonly found in wings and tails is considered a very serious defect.

PARTRIDGE WYANDOTTES.

There has been more or less dispute as to the origin of the Partridge Wyandotte. It can be stated as a fact that there were two original strains.

The Cornell-Brackenbury strain was established in the East in 1889, or about that time. The first mating was a Partridge hen to a Golden Wyandotte male. A pullet from this mating was bred to a Golden Wyandotte cock. A pullet from this mating was bred to a Golden Penciled Hamburg male. The line was followed, Partridge Cochin blood again being introduced a few years later; also Golden Wyandotte blood.

Joseph McKeen, originator of the Golden Wyandotte, had been for several years prior to his death in 1896 working to produce a Partridge Wyandotte.

Mr. W. A. Doolittle, upon the death of Mr. McKeen, took this stock and with Mr. Theim, of Iowa, carried on its breeding along lines laid down by Mr. McKeen. The first cross in the production of the McKeen strain was made in

1884, being that of a Golden Wyandotte male and a Partridge Cochin hen. It is claimed by Mr. Doolittle and Mr. Theim that no other blood has ever entered their strain. The Partridge Wyandotte was admitted to the Standard at the Chicago meeting of the American Poultry Association in 1891.

The color of the Partridge Wyandotte is practically that required of the Partridge Cochin. (See Paper No. 2.)

SILVER PENCILED WYANDOTTES.

The Silver Penciled Wyandotte is a creation of the brain of the late Ezra Cornell. Mr. Cornell conceived the idea of producing this beautiful fowl. In connection with George H. Brackenbury the work was pursued. The first mating was a Dark Brahma hen to a Partridge Wyandotte male. Dark Brahma-Silver Penciled Hamburg matings were also made. It was a difficult problem, but men of brains and fanciers' skill were in charge, and after several years' hard work the variety was well established. The work was commenced about 1894. Mr. E. G. Wycoff early became connected with the work.

Color of the Silver Penciled Wyandotte: Male—Head and neck, silver white. Neck feather must have distinct black stripe extending through it, tapering to a point near the extremity of the feather. No white shafting or black edge allowed here. Back, silvery white, free from all other color. It is required that the breast be solid black; slight frosting with white allowable but not desired. Tail, black. In wings the primaries black with the lower edge white, with the ends of the feathers greenish-black. The female Silver Penciled Wyandotte is in color gray, with distinct dark penciling, resembling the Dark Brahma.

BLACK WYANDOTTES.

The Black Wyandotte originated with Mr. F. M. Clements, of Ohio, in 1885. Mr. Clements claimed they were sports from the Silver Wyandottes. Mr. F. J. Marshall, of Georgia, also had black sports from his Silver Wyandottes about the same time.

Color of the Black Wyandotte: Rich glossy black throughout. Must be free from purple barring.

COLUMBIAN WYANDOTTES.

The Columbian Wyandotte came upon the stage but a few years ago. During the show season of 1904-5 they were exhibited in goodly numbers and attracted a great deal of attention. Mr. M. B. Briggs claims to have originated them by crossing White Wyandottes and Barred Rocks. It can be stated as a positive fact that Light Brahma blood has been used by some breeders in the origin or the betterment of the Columbian Wyandotte.

In the fall of 1904 we had occasion to go out to a farm in Hardin County, Iowa, where we had a flock of Silver Wyandottes farmed out. The wife of this farmer possessed a flock of Buff Cochins. She allowed a Silver Wyandotte cock to mate with a number of her Buff Cochin females. Many of the products of this mating were typical Columbian Wyandottes so far as color markings are concerned. In shape they were not good Wyandottes and some had feathered legs. But from this flock of Silver Wyandotte-Buff Cochin cross we could have picked several birds which in color marking were the equal of the best Columbian Wyandottes we have ever examined in the showroom, and we have seen the best of those exhibited so far.

The Columbian Wyandotte is a fowl the size and shape of the Wyandotte, with same kind of comb and carrying the plumage color of the Light Brahma. It is a handsome fowl.

In commercial worth the Wyandotte is unapproached by any other breed or variety. We think the tribute paid the Wyandotte by a farmer at an Institute before which we were lecturing a few years ago tells the whole story. Our farmer friend said: "The Wyandotte is the right size—not too large, not too small. They are prolific layers, giving us eggs the year round and in abundance the winter months. We do not have to build expensive houses in which to shelter them. Their low rose combs do not suffer even in the coldest weather. This means winter eggs. They are hardy. The chicks grow rapidly and are ready for the market at eight weeks of age. The Wyandotte is always ready for the market when properly cared for, being always a round, plump chunk of the choicest chicken meat obtainable."

This tribute, while not being elegant, is, we think, eloquent. Certainly it is truthful. The Wyandotte meets completely all the requirements of a profitable fowl.

The color of the shell or the yolk has nothing to do with the value or fertility of the egg. Color is a result of feed or a natural characteristic. The fancy of the purchaser is to be considered in the matter of color of eggs, legs, skin and meat.

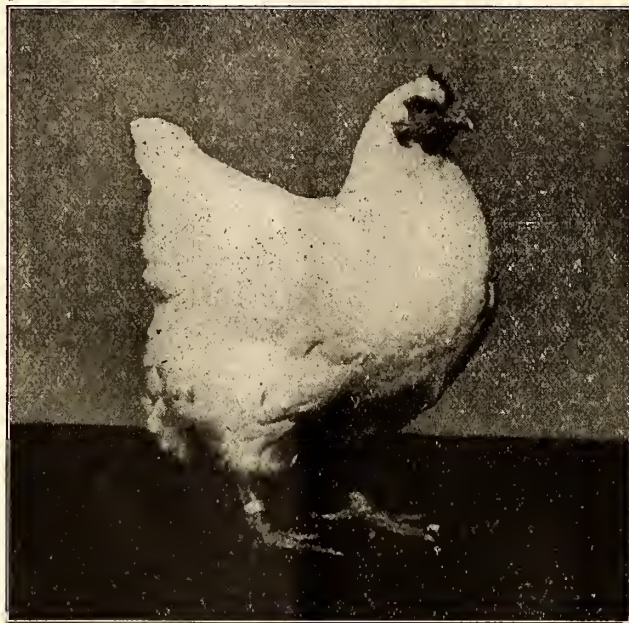
THE TRAP-NEST AND ITS ADVANTAGES TO THE BREEDER.

Practical and scientific poultrymen the world over are today acknowledging the superiority of trap-nests, but those who have not used them, and absolutely reliable ones at that, do not and cannot realize the great advantage the breeder has who does use them, and the many little secrets that they unfold to him.

The poultry breeder without trap-nests, whether breeding for market, for eggs or for fancy points (Standard requirements), which should combine to the very highest degree with market and eggs (or the utility), is working as much in the dark as would be the big department store that did not keep books. The department having apparently the biggest trade might not be the most profitable and there would be the possibility that it was not profitable at all, or that it was losing money, and so with the hen. The one laying the largest eggs or the one laying the greatest number of eggs, or both, may not lay one single egg that will hatch, and, while seemingly a most profitable hen, she is worse than none as a breeder, or, in other words, "she is not what she seems to be."

The breeding of high-class, bred-to-pay poultry, as is the breeding of all live stock and the successful management of any business a *deep continual study*, and the poultry breeder who best fits himself to study each and every detail of his business and then makes a practical and thorough application of the knowledge thus acquired is bound to make a far greater success than those not so prepared.

The word *study* means everything to the breeder, and I would write it for all poultry keepers "as with a burning



WHITE PLYMOUTH ROCK.

First hen at Cortland and second at Syracuse, N. Y., 1905. Owned and bred by Rock Hill Poultry Farm, Ossining, N. Y.

pen." We must remember there is no standing still; we must either go forward or backward, and to advance we must *study*, and *study* everlastingly.

From the articles that have been written on trap-nests thus far the general public would be led to believe that they were only of use in determining and increasing the egg yield, and while their value in this is enough to warrant their use and pay handsomely for the extra expenditure and labor necessary, still it is only a secondary consideration if one would achieve the greatest and most lasting results along that and other breeding lines and therefore must be regarded only in connection with many others of equal or even greater importance.

As in "the proof of the pudding is the eating thereof," so in the proof of the breeder is the testing thereof.

The selection of specimens for the breeding pens involves the study of the different qualities and faults of each individual which should be weighed and considered, one with another. Many of these can only be properly recognized through breeding inheritance, ancestral family characteristics

and ancestral breeding propensities. Each individual breeding trait, whether merit, blemish or habit, can be ascertained to a certainty in regard to its relation with sire, dam, grand-sire, granddam, etc., only by means of the trap-nest with its corresponding individual records.

No rule or set of rules can be laid down for all to follow at any one time or any one to follow all the time, as conditions and circumstances alter cases. The first and paramount consideration, however, in selecting a breeder should be constitution. Never under any circumstances should a bird be selected that has ever seen one single sick or sickly day. Our temptation may be great at times, but let us invariably have enough will power to say no and follow the example with sick chickens of the young man whose step-mother, having died away from home, on being telegraphed "Shall we embalm, cremate or bury?" replied, "Embalm, cremate and bury."

The breeding and selling as breeders of cured fowls has been the greatest stumbling block Standard bred poultry has ever had and has caused thousands of people to say of probably every known variety, including the "dunghill," that "that breed or variety is not as healthy as this one," when it was not the breed or variety at all but the breeder or breeders who allowed their stock to inherit weak tendencies, resulting from cured or weakly constituted fowls.

the use of our trap-nests to discard all specimens that lay continuously undersized eggs, overly large or double-yolked eggs, poorly-shaped eggs, eggs with rough, uneven shell and very thin-shelled eggs.

The males having been selected most carefully by duly considering their ancestral backing and their individual merits, we will mate with each male the females which will balance and nick to the best advantage, always giving males as they rank the preferences. The eggs from stock thus mated, if incubated under hens or in pedigreed-incubator trays in such a manner that we will know by the use of toe marks recorded the sire and dam of every chick hatched and the specimens that do not and cannot be made to produce fertile eggs, will show the results from each pair of birds with no guesswork.

This is all much easier said than done, but if we will carefully follow this system out from year to year we will soon find that there is far greater value to trap-nests than merely to assist in detecting the best layers and increasing the egg yield. We will find many pleasant surprises and also many disappointments. Oftentimes from the specimens that we expect the most we will receive the least in eggs, fertility and high-class progeny. Just as in the race horse, we often find the greatest breeders or producers never have shown any great amount of speed themselves, sometimes



TRAP-NESTS AND THEIR WORKING ARRANGEMENTS.

The practice of inbreeding for a thousand years would not do as much real damage, and nothing could do so much for "better poultry and more of it" than for every breeder to realize and forestall this danger.

In selecting specimens showing the greatest constitution, together with extra strength and vigor, we should observe very closely the head, and especially the eye and beak.

A good cattle buyer will tell you that if he is only to see one part of a steer when buying feeders he would prefer that part always to be the head, and if I could only see one part of a bird in selecting breeders for constitutional strength and vigor, and, in fact, everything except fancy points, I also would prefer that part to be the head. Let us demand a *rich red, bright bay* eye, as nothing so strongly denotes a good constitution; but, of course, we all would wish to see each and every part of a fowl and to examine each and every section before placing in our breeding pens.

After having selected only such specimens as have exceptional constitutional strength and vigor, we must then go over them once more very carefully, choosing only those that we feel confident from experience and a knowledge of their ancestry will produce, when properly mated, exceptional specimens, coming as nearly as possible to all Standard requirements.

We are now ready by means of records obtained through

none at all, and those that have been phenomenal whirlwinds themselves have often failed to get offsprings that could go in the list.

We never can tell what we can do until we try, and right here is wherein the great value of the trap-nest lies, for we never will know the capabilities of any one specimen until we have tested it and cannot properly decide what mating to form next unless we know the results of what we have done, and it is impossible for us to realize what we have accomplished without an accurate record obtained through the use of the trap-nest.

The old guesswork way of breeding poultry is as far behind the times and as uncertain with results compared with the trap-nest system as the old style of advertising compared with an up-to-date keyed and indexed system.

There is more to learn through a trap-nest system than a large-sized Webster's Dictionary would hold, and to those who are afraid that the poultry business is being overdone or that there is danger of its being overdone just enter into the breeding of high-class Standard-bred poultry, bred to pay, by an *up-to-date trap-nest system*, stick to it carefully and persistently, and from your results, financially and otherwise, I will guarantee that you will agree with me that the poultry business is only in its infancy.

Hartington, Neb.

H. P. RANKIN.

Monthly Prize Article Department

We would like to have all of our readers compete for the prizes offered each month in this department. Send as many articles each month as you desire. For the best article we will pay \$3.00 and for the second best \$2.00. Make your communication about a column in length, which is about 600 words. They should be timely and appropriate to the season. Articles describing appliances and houses and accompanied by rough drawings are especially desirable. All the communications must be accompanied by a letter stating that they have been sent in for competition in the Prize Article Department. All articles must be written on one side of the paper only. Articles received after the 15th of the month will be too late for competition in the month following, but will be entered the next month. No manuscript will be returned, but all who send meritorious articles will be given a year's subscription to AMERICAN POULTRY JOURNAL, whether the article is published or not.

*The first prize in the contest this month has been awarded Will Clark, Sullivan, Ohio, and second prize to John N. Johnson, Wenatchee, Wash.

POULTRY FOR THE INVALID.

Too much cannot be expected from an invalid. But at the same time we do not care to be elbowed to one side and be so overrun by the strong as to receive no recognition (be it ever so limited) in connection with the breeding of standard breed poultry.

I can think of no other occupation for a weak and afflicted brother or sister which would afford more pleasure and healthful pastime, as well as profit (which always adds to the pleasure) than caring for a flock of pure-bred fowls of your favorite variety, though it be on a very small scale. To the above I can testify by my own personal experience, my lot having been cast in that direction for the past dozen years.

Of course those who are not strong must not undertake more than they can carry out thoroughly. My advice would be: Choose the variety you like best and keep that variety only. Get the very best strain of fowls it is possible to find for your foundation stock, even if they are a little more expensive on the start, but it will mean more pleasure and more profit to you later on. Subscribe for a few good poultry papers, and also get the Standard of Perfection. Read and study them thoroughly. In this way you will learn the best methods of caring for your fowls, and will also learn to know a good bird when you see it.

If occasionally there is something to be done which your physical condition will not permit you to do yourself, perhaps some other member of the family can be drafted into service, or you can hire a man for a short time. But be sure the work is done under your personal directions and that it is done exactly as you wish it to be.

When you have succeeded in raising a nice lot of chicks advertise them. Let people know that you have something good to sell. There are always plenty of buyers for first class breeding and exhibition poultry. And as you can buy your shipping coops direct from the manufacturers, the labor of shipping the fowls and eggs sold, is reduced to the minimum.

It is not necessary that one should raise poultry in almost unlimited number to make advertising profitable. Where it is not convenient to raise many chicks, more than are needed to keep a supply of layers on hand, the attention can be turned more to the production of eggs for hatching, which I have found to be the most pleasant and profitable part of the poultry business for the invalid.

It is also a source of great pleasure to those who are handicapped from engaging in more ardent labors and who are ambitious enough to want to do a little something, according as their strength will permit, to attend to the correspondence connected with a small mail order business as I have described. And so I claim an invalid can oftentimes take up the poultry business in a small way and derive a great deal of good therefrom in many ways. It will perhaps cause him to spend more of his time out in the fresh pure air. It will also furnish something to occupy his mind which otherwise might be filled with gloom and unpleasant thoughts.

It will also produce some profit, which greatly increases the pleasures.

If anyone reading this article who is unable to engage in the more laborious tasks of life shall receive any benefit or encouragement therefrom I shall have accomplished my purpose.

Sullivan, Ohio.

WILL CLARK.

It is most essential not to invent or to supply imaginary wants in fowls. They do not require coaxing to eat and wherever food can be seen lying in the yards or pens, there is waste and mismanagement.

REMOVING TO WINTER QUARTERS AND CARE DURING WINTER.

We are approaching the time when most poultrymen must gather their flocks into winter quarters and prepare for those high priced eggs we were thinking of while caring for the little chicks last spring. While there is much difference of opinion regarding the time to make the change, and the easiest and most satisfactory method of accomplishing it, to not have any bad effect on the health of the fowls, they will each have their own particular way, and most of them will be reasonably successful. With me I like to make the change while the weather is still warm, so there can be plenty of pure fresh air without exposing the fowl to the cold wind of the storms that are liable to occur during the night after the cold weather is upon us, thus causing bad colds which sends so many amateur poultrymen looking for rump cure. It is at this change that the "curtain front" house will be most useful, having three tight walls and the curtain raised, leaving the front open to admit plenty of pure air and none of the drafts caused by so many systems of ventilation.

If you have not separated the sexes yet, you should do so at this time, placing the hens and pullets in different yards and the choice cockerels (if you keep a standard breed) should be selected and reserved for breeders. The remainder should be sent to the butcher or caponized and saved for the high priced market next spring.

The flock being divided and housed, you must now give close attention to the feeding, if the yards are well supplied with green food one of the most difficult problems of the average poultry keeper is solved, until winter closes in and makes it unavailable. When the runs are bare a supply of vegetables, either rooted or greentopped variety, is the most economical at this time of the year, for those who can raise them, but for all round green food Alfalfa hay that has been cured so it has not dropped the leaves will be found the best. Just put a small forkful in the scratching shed and the whole flock will be busy as bees until every leaf and the small bits of straw that they can break off and swallow will be cleaned up and the remainder will make good scratching material to feed the whole grain in, thus serving a double purpose and saving lots of labor.

The grain part of their rations can be best fed by grinding and placing in self-feeding hoppers, excepting enough whole grain thrown in the scratching shed to keep them exercising. By grinding or crushing the grain in the hoppers, they will be compelled to eat more slowly, and will not gorge as they would on whole grain. The grain should be a mixture of oats, wheat, barley and corn, fed in separate hoppers or collectively, as best suits the attendant. Either of the last three grains may be omitted if not convenient to get, but I should not like to omit oats from the ration when possible to get it, for it is "the feed" for all kinds of stock. If we will add a good grade of meat scraps and plenty of pure water, and see to it, that the grit box and dust bath are kept well supplied, we can gather a good share of those eggs we have been planning for.

But we must not forget to keep a close lookout for those swelled heads and watery eyes so frequent in close winter quarters, when the ventilation is poor, or comes in with a draft, and the houses dark and damp, and when treating these cases we don't want to forget that an abundance of light, pure air, and a good clean pen, are a better medicine than any of the remedies made by men.

JOHN N. JOHNSON.

Wenatchee, Wash.

A barbarous practice or habit which one should combat in every way is that which consists in mutilating fowls when they are considered to be suffering with pip. We repeat it, as soon as one remarks that the hen does not drink it is considered to be afflicted with pip. The white horny substance at the point of the tongue is a species of nail given by Nature to the hen to enable it to pick up the grain and seed from the ground, whilst pip is caused by ulcerated bones in the throat. The disease can be easily cured. A small bit of butter the size of a nut and a bit of aloes of the size of a pea—make a pill with the aloes and butter and put it down the hen's throat. In an hour the hen will be cured.

Don't throw away any sour milk; the chicks are fond of it, and it is good for them.

Hog-fat is never desirable in poultry for market.

Fowls that range are more or less tough.

Close-grained meat is preferred.

A CITY LOT POULTRY PLANT.

The question as to whether a few chickens in the small quarters afforded them by a city lot can be kept profitably is an old and much discussed one. In nearly all the articles I have ever read on the subject the writer has had more time and space to devote to his plant than the average business man or mechanic can give his poultry.

Being a rather busy man and having about the average of time and room for poultry keeping, I believe that my experience may be of interest to at least some of the readers of this magazine.

Nearly ten years ago I began to raise poultry on a city lot, and my birds have never had the benefit of "free range" or "the shade and clover of an orchard," nor any of the other much talked of advantages of a country run, but they have nevertheless grown to a vigorous maturity in their close confinement.

A few birds can, I believe, be raised in small quarters as well as on an open farm, because environment will not make show birds nor heavy layers unless those qualities have been handed down to the chicks for generation after generation by their ancestors.

If the city plant is to produce good show birds the breeding pen must be of the very best or the object of one's work will be entirely beyond one's reach, because the limited number of birds that can be properly raised will not produce enough good show birds in proportion to the culls to make the plant a financial success. Then, if enough chicks are hatched to produce a good number of show birds, the probabilities are that the small runs will be so overcrowded that instead of having a few first-class birds in the fall the owner will have many third and fourth-class birds.

Good show birds can be successfully raised in very small quarters as long as the breeder culls often and freely enough to allow all remaining birds a fair amount of room, and the smaller the space the more frequently and critically must the culling be done.

If, on the other hand, the busy man of the city is going to try to produce birds that will supply him with fresh eggs during most of the year he will, I believe, be far more successful and his poultry will be a more continual source of pleasure to him and his entire household, thereby assuring him of the assistance of any member of his family at any time he may desire it.

Then, again, the small quarters are not nearly as great a handicap in raising egg-producing pullets as they are to the one who is striving for the ideal show bird. If one wants only a good flock of pullets he can easily cull 40 to 60 per cent of his chicks just by either eating or selling all his cockerels when broilers and he can add another 10 to 20 per cent by disposing of his poor pullets in the same way. By this method of culling one should have practically only the pullets he intends to winter in his runs by the Fourth of July.

In this way one does not have a flock nearly equal in males and females, nor will he have nearly so many birds to feed to maturity. Thus will the egg producer have the advantage over his neighbor who raises only the promising show birds in the two most important points in a city plant, namely, in space and cost of feeding.

If the city plant is to produce both the utility and fancy, it would seem very difficult to me to cull a flock of chicks so as to have enough cockerels from which to choose show birds and still have enough pullets to fill the winter egg basket.

My experience has been that it required all the space I have ever had to produce fifteen to twenty-five good pullets and only three or four cockerels. So unless one can pick the cockerels for the showroom very young his chance to produce show birds and his flock of pullets, too, looks very small to me.

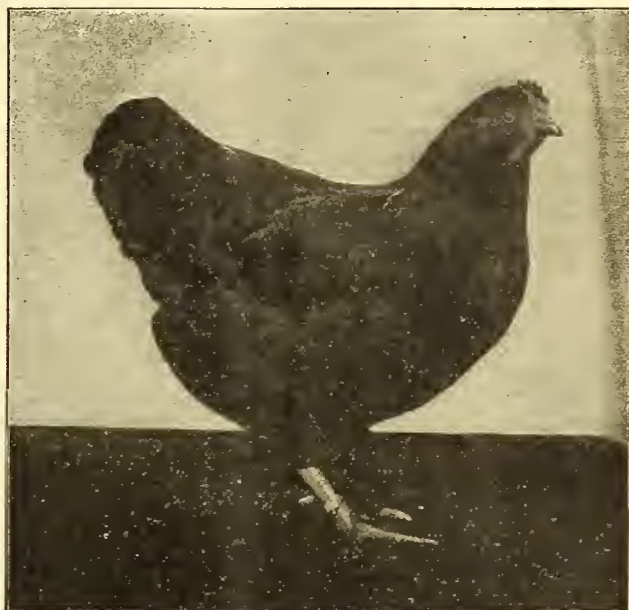
Since I have given my views on the question as to whether the city plant shall produce utility or show birds, and since I have decided in favor of the utility birds for myself, provided they are of one breed and the breeder tries each year to bring his flock up in Standard points as well as in utility, we will now look at practical care and housing of a city flock.

After careful work with and study of several breeds I chose the White Wyandottes as the breed best adapted to a small plant, where the time and space for caring for a flock are limited. The Wyandottes were my choice because they grow to good broilers very young, thereby allowing one to cull early and profitably. They are good feeders and seem to stand up, eat and grow where other chicks die. They stand close confinement excellently and do not annoy you

by flying. They are also very prolific layers at all seasons, as their short combs withstand severe cold very well, and thus they will lay when most single combed birds are frozen up. As to appearance, few breeds are their equal and none their superior. Many readers of this article will differ greatly with me as to breed and purpose of breeding, but as I am simply writing about my own experience and judgment we have now gotten to the practical part of a small poultry plant which is to produce profitably utility White Wyandottes and as many eggs as possible.

My plant consists of one house facing south, which is 8 feet wide by 20 feet long, 7½ feet high in front and 6 feet behind. The house is divided into two rooms, one 8x8 for laying and roosting and the other 8x12 is used as a scratching shed.

The laying room is built on a solid foundation about a foot above the ground. This room is sealed inside with matched lumber and has a matched board floor. The roof of the entire house is three-ply tar paper. There is a large double sash and a good-sized door in the front. A small sliding window in the east side and a similar window in the west side which opens into the scratching shed. There is also a small stationary window in the north side. Thus I get light from all sides and ventilation from three sides. Inside I have a platform 20 inches above the floor and 3 feet wide, upon which I have five Maine State trap-nests. Above



PARTRIDGE WYANDOTTE PULLET.

Winner of first at Syracuse and second at Hagerstown, 1905. Bred and owned by Rock Hill Poultry Farm, Ossining, N. Y.

the nests is the droppings board, which is made to project over the front of the nests enough to darken the laying compartments of the nests. The dropping board is in three movable sections for convenience in cleaning. The two roosts are above the dropping board and made of 2x2 inch stuff 8 feet long set loosely in blocks at each end; so they also are removable. Have also 4 foot trough on floor in which table scraps are fed. With this arrangement one can remove the roosts, nests, dropping board and trough in a few minutes, and thus have only the nest platform and floor to clean in the house, while there is no floor space wasted.

On the wall I hang a two-gallon water can, a grit and shell box, which always contains grit, shell and charcoal. Next to these I keep a homemade beef-scrap hopper, which is never empty.

The floors of both the laying and scratching shed are kept covered with from six to ten inches of clover hay, which is the best available scratching litter.

The scratching shed has a gravel bottom filled to the level of floor of laying house and then the clover on top. This house has a 4 foot by 8 foot opening covered with wire and commencing about 18 inches above the floor, the balance of the height being sided. The door is 3 feet wide and the frame is made of 4x¾ inch stuff, covered outside with wire and inside with oiled muslin. Have also oiled muslin curtain on frame and hinged at the top for closing the 4 foot opening in real cold or wet, stormy weather.

(Continued in December Number.)

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Look at the date upon your wrapper. Many subscribers write to ask when their subscription expires and many complain because we discontinue sending the JOURNAL at the expiration of the time for which it is paid. The date when your subscription expires is found on the wrapper each month.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide circulation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Advertising rates are sent upon request.

40,000 A. P. J.'s for November, 1905.

State of Illinois, County of Cook, ss.

Chicago, Oct. 25, 1905.

J. G. Budde, secretary and treasurer of Regan Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding forty thousand copies of the November, 1905, issue.

J. G. BUDDE,

Subscribed and sworn to before me this 25th day of October, 1905.

BLANCHE ELDER EDDY,
Notary Public.

GUARANTEED SUBSCRIBERS.

To our subscribers the display advertisers of the American Poultry Journal are guaranteed; that is, if any advertiser using display space in these columns is proved to be a swindler, the American Poultry Journal will make good to the subscriber the amount lost. We do not guarantee that men in good standing shall agree in their opinions; we do not guarantee nature against infertile eggs, but we do agree that in case a downright swindler succeeds in swindling a subscriber, we will reimburse that subscriber and publish the rascality of the swindler. We ask, in consideration of this guarantee, that our subscribers, when writing to an American Poultry Journal advertiser, say, in every case, "Saw your ad in the American Poultry Journal." In no case will this be to your disadvantage, while in many cases it may serve you well. In either event we shall be obliged to you.

Origin and History of the Breeds

This is the title of a series of articles now appearing in these columns compiled by that able writer Mr. Thos. F. Rigg, associate editor AMERICAN POULTRY JOURNAL. These articles will be continued until all the standard varieties have been included. This, we believe, is the first time that any writer has ever attempted to go into this subject so thoroughly, and when completed will be something for the present day fanciers to turn to for reference, for the originators of many of our present breeds of fowls are rapidly passing away and in a few years from now it will be impossible to get authentic data such as Mr. Rigg is now presenting to readers of AMERICAN POULTRY JOURNAL. In a work of this character, covering a period of almost a century, a vast amount of labor is

necessary, and any one who is in a position to give reliable information about the origin and history of any of the breeds should send same to Mr. Thos. F. Rigg, Iowa Falls, Iowa, who will greatly appreciate any help given him along this line.

The Good of the Huckster.

The huckster has been decried by both friend and foe of the fancy, yet he has had his hand in the betterment of state fairs large and small. The huckster is the man who was largely influential in the securing of bigger premiums from fair societies that were too close in the matter. He has done his share in educating the people to better fowls and often if it had not been for his showing the exhibit would have been small. Then, too, the huckster has stimulated the breeder to produce better birds and never a fair season goes by without seeing the breeder get one notch further ahead of the huckster. Mr. Huckster's work has been largely of a good character, and even if he does grow more and more professional as the years pass he must ever keep in mind the specialist and the quality of stock he aims to produce. Shows do not seem to become more numerous compared with five seasons ago, and specialists still increase in numbers. Breeders and fanciers gaining in numbers will the sooner force out the huckster.

No Corner Here.

From all the signs in hendom the busy American hen refuses to allow any one to corner the market on fresh eggs or dressed table fowls. She can be pointed to with pride as of an anti-monopolistic nature. Just when the would-be cornerers of eggs are apparently successful the barnyard hen hops up on her nest in the hay mow and lays a few eggs to take the conceit out of the money kings who dabble in eggs. The storing of eggs till high prices come is risky business. Packing houses and cold storage plants of one big firm have been deserted—sold out to competitors and changed into other fields of business. The other commodities and necessities may be cornered, but the American hen—never!

For Better Market Fowls.

The Sydney (Australia) Daily Telegraph, not content with the egg-laying competition fads it has originated, now seeks to get the attention of Australasian poultrymen by a competition between market poulters. Each contestant chooses and fits for market about twenty fowls, sending them to be dressed and packed by experts. They are then frozen and sent to the great English market, London, to bring the best prices possible. After the returns have been made the prizes are awarded to the poulturer who raised the choicest birds. Twenty dressed fowls are packed in each crate shipped to the English markets. The fowls are all dressed by one set of experts and everything is done by them and the packers to get the greatest amount of quality out of each grower's fowls. This competition will doubtless aid the market poultry qual-

ity as the egg-laying tests have given a greater stimulus to better egg production. This new contest will be watched with interest and the particulars as to variety, breed, rearing, feeding and general care will be given in these columns as they become known. The Australians certainly are doing things in the practical poultry line. They're hustlers.

Our German friend who recently paid Mr. Northup those long prices for Rose Comb Black Minorcas is undergoing considerable hot fire in the columns of the European poultry press. Some fanciers over there seem to doubt the validity of the Count's purchases. Count Von Shultzenstein is one of the Germans who are doing a few things for the good of their fatherland. He is getting much free advertising concerning his stock and the quality of birds he breeds. He is an up-to-the-minute fancier who recognizes the value of publicity.

It Might Help, But—

Mr. Charles McAllister, who conducts a very interesting page in the Northwest Poultry Journal, has been trying to do his share in the formation of a Pacific Coast League of Poultry Associations. He wants such an organization to have a goodly authority over the shows held on the coast and sway such power as the American Kennel Club and the American Racing Association. If the American Poultry Association takes the matter in hand it can be an authority of itself. One should not think, however, that the affairs of the American Kennel Club go along without hitches and setbacks. It has its tribulations. And the daily papers tell of much trouble in the affairs of the American Racing Association. The Pacific Coast League would not make all smooth sailing.

The Season's Rumors.

A number of rumors have been set afloat in the last few weeks and all sport date lines from New York. The fanciers who held a show at Herald Square last December think somewhat of holding another show in that city in November in the Palace building. The later New York show to be held at Madison Square in January promises great activity in the Barred Plymouth Rock line. More specials are to be offered and it is being wafted about that a change of judges or methods of judging will be tried. Mr. H. J. Quilhot has been selected for judge of bantams by the National Bantam Association by a large majority—this for the Madison Square show.

Why Not Try It?

Most all the agricultural experiment stations which are doing something with poultry are accomplishing good results. The Maine station is among those at the top of the list who are in the lead. This station is making a specialty of pedigreed layers that can lay eggs and lots of them. From the bulletin issued we come on a very interesting statement concerning the breeding of the heavy layers. All the hens laying 200 eggs or more in one year from the date of their first egg are registered, but those laying 190

to 198 or 199 are not registered. The bulletin also states that they get a goodly number of their 200-egg hens from the general flock and that many of the 200-eggers do not produce their like. This is according to the laws of breeding. The ones in immediate charge of the mating could easily and profitably extend the knowledge given out in their bulletins if they would try to intensify the laying qualities of the flock or foundation stock by carefully inbreeding and giving the results to the public. For instance: Let the best cockerel of the heaviest layer or layers be mated back to their dams and a careful record of their offspring be kept. From this first line of pullets which contained three-fourths of the blood of their dam the matings would be easy to make. Mate them back to their sire or a male of good breeding a bit more distantly related. The good qualities of the cockerels from these inbred matings should also be kept track of. If when they are crossed on flocks of farmyard pullets which are poor layers the results are poor, let the public know it. This station has about reached the top in feeding and housing—we await their experiments in inbreeding to intensify the egg production.

It's Sure to Win,

There is an opportunity in most every city of 10,000 or more inhabitants for the establishment of a retail store where only poultry and eggs would be sold. For the man who can muster his courage to the fore and then keep it there by overcoming the difficulties that usually present themselves will be the harvest. By a little printer's ink he could soon have poultrymen consigning their best eggs to him. A sort of broker, a retail broker, if you please, would be his title. He would have to establish a reputation for paying the best possible prices for his produce and by soliciting only the best he would keep up his standard of quality. Extra good eggs will always be in great demand. In a large city one could confine his efforts solely to the egg trade and gradually build up his business among the best class of buyers. He should connect his name so closely to fresh eggs of quality that when eggs are mentioned his name would come to mind. The idea is gradually being worked out, here and there, with success.

Helping a Show.

Westerners, as a rule, are good advertisers, but here comes an association that knows more about it than the best of us. The seventh annual show of the South Dakota State Poultry Association will be held in the

city hall at Mitchell, in that great commonwealth, and Mr. Scallin, who is secretary, is getting out some effective advertising to that effect. Things chicken in South Dakota crystallize at Mitchell during the week of January 29 to February 3. Mr. Scallin is mailing out some handsomely gotten up cards with a fine halftone of the city hall, the large stone building that every citizen is proud of, telling when the show will be held and that the auditorium of this immense building will be used. The names of the judges are also printed on the mailing card in red ink. An association as enterprising as this deserves success—and gets it.

Western Show News.

Some news issues from Topeka, the home of one of the West's biggest state shows. Col. J. W. Hughes, secretary of the state association, has been promoted to the office of Adjutant General of the National Guard and will have to resign his post presently. Thomas Owen, the treasurer, will succeed Mr. Hughes and fulfill the duties of secretary. This will put the brunt of the next show on the new secretary's shoulders. Kansas is ahead of adjoining states in that she holds her show in Topeka each year. Her fanciers know where to find the show and an air of permanency attaches to it. Nebraska must hold her show at Lincoln every other year; she can move it at her own sweet will in the other year. She should locate it permanently. Missouri's show is taken care of financially by the state, but the association moves the show almost yearly. Iowa hopes to have state aid soon and then she ought to hold the show at the most convenient railroad center. Colorado's show always goes to Denver and this is a good plan. A state show should be a fixture.

At Illinois State Fair.

Big Hume thought he was at the World's Fair. He asked Cottom where he could find the Pike. Brinkama gave him a pass to the grand stand and in going downtown he imagined he rode on a Delmar car. 'Nough sed.

* * *

Owing to the fact that the Poultry Building is too small it has been decided to build an addition to take proper care of Brother Fike and his birds and to prevent blockades in "Hume" alley.

* * *

Hon. A. G. Murry failed to meet the International committee. However, we hope he will make, as usual, a good impression. Not so, Lyss?

Death To Lice

When an article like Lambert's Death to Lice Powder can meet the demands and successfully withstand the tests of over twenty-one years' use, under any and all conditions, and at the same time grow more popular with the buying public year after year, it is mighty good evidence that it possesses that subtle quality, that winning element which makes either men or material stand just enough higher above the rest to be considered the

STANDARD OF ALL.

Lambert's

Death to Lice



would not be the standard remedy it is if it did not do the work better, quicker, safer and surer than anything else. It has earned its reputation for ridding hens, hogs, sheep, cattle, dogs, henneries, etc., from the ravages of body lice by quick, thorough, effective work. It's user has the assurance of success—there's no chance for risk. Why waste time and money on cheap, ineffective, unknown powders? Why allow your sitting hens to be ruffled, feverish and discontented when "Death to Lice" will keep them cool, quiet and satisfied? The best is always the cheapest—that's Lambert's. A sample 10 cent box will tell. 100 oz. by express \$1.00. It has proved the turning point to profit for hundreds of poultry raisers. Why not for you? Lambert's Death to Lice Ointment for head lice on small chickens is equally effective. Sample 10c post paid.

O. K. STOCK FOOD CO.
D. J. Lambert, V. Pres.

408 Monon Bldg., Chicago

Bred to Win and Bred to Pay

2000 OF RANKINS ROYALS OR AMERICA'S BIG FOUR

Barred, White and Buff Rocks, and White Wyandottes that are **bred for quality in every way**. You can't afford to buy show birds or breeders before writing me. I will mail you the handsomest catalogue you ever received if you will mention this paper.

H. P. RANKIN Box 61, Hartington, Neb.

If your business isn't worth advertising, advertise it for sale.
* * *

Brother Shoreen no doubt found the man who ran off with his money.
* * *

We were sorry of not meeting our old friend Julius Fishel with his vermin-extminating fox terriers.
* * *

Hank Steinmesch came up from St. Louis and stayed only one hour to look over the Silvers.
* * *

Our "Uncle Ned" left too soon; had he stayed one day longer he would have captured several testimonials red hot from the stove.
* * *

Dave Heimlich was a busy man, scoring everything in sight, including Fishel's sweepstake hen.
* * *

U. R. Fishel used the "Potter system" on all his hens. Good for you, Ulysses; you are progressive.
* * *

Long Theodore was conspicuous by his absence; however, the short man, his former partner, was there doing business at the old stand.
* * *

Tom Potter was the talk of the show. Tom ought to go in partnership with Tom Lawson and make the two systems one.
* * *

Mack Pierce, Heimlich and Brinkama did some of the judging. The work was entirely satisfactory. Owing to their charitable disposition they did not present a bill for fees.

American Poultry Association Meeting.

Secretary Orr Reports the Sale of 6,812 Copies of the Standard—Columbian Wyandottes and Silver Penciled Plymouth Rocks Ask for Admission—Strong Committee Appointed to Secure Incorporation of Association by Act of Congress—Number of New Members Admitted—What was Said and Done.

Written by Thos. F. Rigg, Associate Editor A. P. J.

The American Poultry Association met in adjourned session at Hagerstown, Md., Thursday, October 12, President George D. Holden presiding.

Adjournment was taken until 7:30 p. m.

MEETING OF THE EXECUTIVE COMMITTEE.

The executive committee met at 3:30 p. m., Thursday, October 12, there being present the following named members of the committee: H. V. Crawford, George O. Brown, Charles McClave, Thos. F. Rigg, Eugene Sites, D. Lincoln Orr, Dr. T. S. Lee, August D. Arnold, T. F. McGrew, Geo. E. Howard. Also President Holden and Secretary Orr.

Secretary Orr presented the applications of the following named gentlemen for life membership:

George Spitzer, Lafayette, Ind.
J. D. Thiwing, Mitchell, S. D.
A. B. Todd, Vermillion, S. D.
C. A. Norton, St. Louis, Mo.
W. H. Vallsveet, Annapolis, Md.
M. M. Barger, Mt. Gilead, Ohio.
Charles Cramer, Sandusky, Ohio.
Frank W. Ashley, South Bend, Ind.
Thomas J. Foy, Cincinnati, Ohio.
A. E. Brooks, Cincinnati, Ohio.

Dr. N. B. Aldrich, Fall River, Mass.
J. P. Instone, New York, N. Y.
J. S. Porter, Atlanta, Ga.
Cincinnati Poultry & Pet Stock Association.

On motion of H. V. Crawford the applications were accepted and the applicants made members of the association.

Annual membership applications were received from the following named persons and presented by the secretary:

Dr. T. M. Scharlock, Charleston, S. C.
H. C. Haven, Stockbridge, Mass.
C. E. Cram, Carey, Ohio.
C. C. Reid, Delaware, Ohio.
S. M. Closs, Newark, Ohio.
H. W. Rehmyer, Shrewsbury, Pa.
Luella Swanson, Plymouth, Ill.
G. Manning, Cincinnati, Ohio.
S. J. Heffs, Akron, Ohio.
J. V. Hoople, Roanoke, Va.
E. E. Smith, Ashley, Ohio.
G. H. Allcorn, East Palestine, Ohio.
J. E. Gault, Sycamore, Ohio.
P. A. Spencer, Beckett, Mass.
F. W. Carey, Assiwing, N. Y.
C. N. Hansen, Warsaw, Ky.
Phillip Casswell, Neugit, R. I.
J. S. Orr, Augusta, Ky.
M. M. Miesse, Lancaster, Ohio.

THE LATEST IMPROVEMENTS IN ARTIFICIAL INCUBATION

Improvement is the order of the age.

There is no such thing as "perfection."

Neither is there such a thing as maintaining the same position all the time. We must go forward or backward on the measure of merit either in men or materials. In our business we have made greater strides forward this year than ever before; at any rate we are willing to let you be the judge of that after all the evidence and proofs have been placed before you.

In the past two or three months we have offered to the poultry fraternity some of our latest improvements in brooders, colony houses, etc., that have yet been advanced, and the avalanche of responses and sales we have obtained on these goods is the best kind of evidence we could have that our improvements in these lines are far ahead of anything ever offered.

But we have saved our highest achievement in improvements of apparatus for artificial incubation for announcement in this month's issue of the poultry press, and that is our

1906 STANDARD

Prairie State Incubator

It represents the greatest step forward in incubator making, and we are particularly enthusiastic over its development, simply because of the remarkable results it has produced in actual test under the most adverse conditions. We were satisfied what it would accomplish under favorable conditions but we wanted to know just what it would do under the most unfavorable conditions. To be plain, we wanted it to be proof against neglect or mistakes of the operator.

When we began our experiments for improving the Standard Prairie State we had a definite object in view. We determined, if possible, to make a machine anybody could run successfully anywhere. We started out to make a machine that would practically run itself; make it so automatic in action that error of operation, ignorance of operation, neglect, etc., would be no barrier, would be entirely overcome. To do this, meant it must be both simple and certain so that the novice would be on equal footing with the expert, and also that it require the least attention and care. Last but not least, it must produce the highest per cent of strong, vigorous chicks from every hatch, and we are pleased to say we succeeded. Better yet, we can say the Standard Prairie State Incubator will prove it in actual operation, because it has features found on no other incubator. For instance:

1. The self-elevator or automatic gravity heat distributor.
2. Self-adjusting or compensating thermostatic, automatic heat regulator, three times as sensitive as the old regulator.
3. Automatic ventilation.
4. Automatic moisture supply.
5. Large air space above and below the eggs.
6. Removable bottoms, making easy to clean.
7. Egg trays contain any size of eggs, hen, duck or Bantam, without change.
8. Large incubators have chick drawers.
9. The system of heating that gives the highest per cent of hatches.



NEW FEATURES

Not found on any other incubator

If you would avoid mistakes in your future incubator purchases, buy the **Standard Prairie State**. We have in press a circular fully describing and illustrating in detail the new features of this machine. They are so plainly described and illustrated that even the inexperienced can understand their merit and great advantages. Send us your name and address and as soon as we get this circular from the printer a copy will be mailed free. You ought to have it. If interested in the latest and most successful brooders, colony houses, etc., ask for descriptive circulars—they're free.

THE
Prairie State Incubator Co.
468 Main St., Homer City, Pa

R. C. Tuttle, Hartford, Conn.

E. T. Losey, Huron, S. D.

George Fox, Philadelphia, Pa.

The applicants were duly elected members of the association.

Secretary Orr read a letter from a German publisher. The publisher asked to be allowed to print the Standard in German for circulation in Germany, and to copyright the Standard in Germany.

This brought up the question as to the matter of foreign copyright of the Standard.

T. F. McGrew said he thought perhaps it would be well to make a deal with this publisher if we could do so on favorable terms. This would protect the association in Germany, at least.

Geo. E. Howard advised that the association take out copyright in England, France, Spain, Russia and Italy. This would fully protect the association. German laws regarding foreign copyright are never executed. He advised that this action be taken at once.

Thos. F. Rigg: Supposing some very enterprising foreign publisher has already appropriated the contents of the new Standard to his own use, what can we, as an association, do about it?

Geo. E. Howard: In answer to Mr. Rigg will say then we are out. We could do nothing to protect our rights. We should have protected those rights, at the proper time, some time ago.

Secretary Orr: I am sorry Mr. Curtis is not here. The matter of foreign copyright was talked over at meeting of the Standard revision committee. It was Mr. Curtis' understanding that it would be too expensive to take out copyright in each of the foreign countries.

Geo. E. Howard: It would not be

expensive. It would not cost to exceed \$150.

Secretary Orr: I have here in my hand a copy of a book published by Dounahue & Co., entitled "Standard American Perfection Poultry Book." This is by J. K. Felch. It sells for 25 cents a copy. It purports to give the official Standard description of fowls. And this by one of our own members.

H. V. Crawford: I. K. Felch is no longer a member of the American Poultry Association. He resigned at the Rochester, N. Y., meeting, as I understand it.

T. F. McGrew: The true protection to the Standard is the loyalty of the poultrymen to the American Poultry Association. So long as members are true to the association we need not fear.

On motion of Mr. Rigg, the matter covered by the letter from Germany was referred to a committee of three, with instructions to report at the evening session.

The chair appointed Thos. F. Rigg, H. V. Crawford and T. E. Orr members of the committee.

H. V. Crawford: At the meeting this evening I shall move that steps be taken to incorporate the American Poultry Association under the laws of New York.

Geo. E. Howard: If incorporation be made under state law would it not be better to do so in either West Virginia or New Jersey? In my opinion we should incorporate a congressional enactment, thus making it operative in every state in the Union. This we can easily do and at no particular cost.

Eugene Sites: We are now in no shape to protect our rights as an association. We are only a wild cat association.

Secretary Orr: We have heard this

kind of talk regarding incorporation for years, and it has all ended in talk. The matter was urged by Mr. Kendall when he was president of the association, and he promised to take the matter up and push it through.

T. F. McGrew: He was out of office before he got around to it.

Geo. E. Howard: If we secure a national charter from congress we will be a lawful corporation; can sue and be sued; we will be subject to the laws of the state wherein we hold a meeting, at the time of the meeting. It will save us considerable expense annually to so incorporate, because if we incorporate under the laws of any given state we will have to pay a tax to that state annually, besides a heavy incorporation fee.

Adjourned.

EVENING SESSION.

President Holden presided.

The executive committee admitted Wm. G. Munich, Carlisle, Pa., and Geo. Burn, Tilsonburg, Canada, as members of the association.

The following members were present:

Geo. D. Holden, T. E. Orr, D. Lincoln Orr, Chas. McClave, Thos. F. Rigg, Aug. Arnold, F. D. Baerman, W. G. Minnich, Geo. Burn, H. H. Blackman, Dennis Shea, H. A. McAleer, Geo. O. Brown, W. C. Denny, Miller Purvis, D. P. Shove, E. Sites, Geo. Fox, F. W. Corey.

Secretary Orr reported action of executive committee in regard to applications for membership.

On motion of H. V. Crawford, seconded by W. C. Denny, the action of the committee was approved.

Thos. F. Rigg for the committee to whom was referred the request of a German publisher that he be allowed to print the Standard in German for

ARE YOUR HENS LAYING WELL RIGHT NOW



**The Laying Hen
Is the Paying Hen.**

**Increase your Egg
Yield—Double
your Profits.**

YOU CAN MAKE YOUR HENS LAY MORE EGGS

by feeding Green Bone fresh cut. Thousands have done this and succeeded. They found that the cut bone, gristle and meat doubled their egg yield, made more fertile eggs, better hatches, earlier and heavier broilers and heavier market birds. Would you reap this success? Buy a

MANN'S LATEST MODEL BONE CUTTER.

The one that has a self-regulating feed, automatically adapting itself to the strength of the operator. It cuts hard and soft bone with equal ease and never clogs. It cuts the adhering gristle and meat and all of the bone into a fine, clean food, full of protein and all other egg elements. It leaves no chunks nor gristle. You do not need to experiment when you buy a Mann's, because

We Will Ship One to Your Address On 10 Days Free Trial.

This is a square offer and you need not put up any money in advance. Write and see. Catalogue free.

F. W. MANN CO., Box 56, Milford, Mass.

circulation in Germany reported as follows:

We, your committee, would report that the secretary be instructed to ascertain what amount the applicant will pay for the privilege desired; that his financial standing be ascertained of the secretary; that if the association furnishes him cuts as he desires payment for all such cuts must be made in advance.

D. Lincoln Orr: I would suggest to the committee that there be added to its report instruction to the secretary to report his findings to the meeting to be held in Cincinnati in January next.

Mr. Rigg: That is a good suggestion. The committee accepts the same and makes it a part of their report.

Report of committee was accepted and committee discharged.

H. V. Crawford: Dr. Kendall, president of the association at the time, was instructed to take up the matter of the incorporation of the American Poultry Association. The secretary should take up this matter. He seems to have forgotten all about it. It is necessary to incorporate. One reason why Mr. Bridge was allowed to go unpunished was because we were not incorporated and thus unable to act as we should in protection of our rights. I move that a committee, consisting of Geo. E. Howard and T. F. McGrew, of Washington, D. C., be appointed to proceed with the incorporation of the American Poultry Association. Motion seconded by W. C. Denny.

D. Lincoln Orr: Will Messrs. Howard and McGrew serve?

President Holden: They will. They so stated this afternoon.

The motion prevailed.

The legal notice for admission of Columbian Wyandottes to the Standard of Perfection was given. The notice was signed by Frank A. Ziner, Eugene Sites and J. D. Summers.

W. Theo. Whitman gave notice that he would apply for the admission to the Standard of Silver Penciled Plymouth Rocks at the regular meeting of the association next January.

The notices were accepted and placed on file.

H. V. Crawford: It is seldom I feel it necessary to make a personal statement, but there seems to be a general misunderstanding regarding the Bridge affair. At the Buffalo meeting of the association I attempted to examine the books of Mr. Bridge. As chairman of the finance committee I demanded his resignation as secretary-treasurer. He refused to comply with this demand. I said I would then ask for his removal. He then consented to resign, which he did at that meeting. We did not then know he was a defaulter. His books had been examined that year and said to be correct. This action of the committee, the committee which examined his books and pronounced them correct, relieved the bond company, in which the association held the Bridge bond of any liability. And I want to say here that the bond given by our present secretary-treasurer is not worth one cent.

Secretary Orr read a letter from the president of a leading poultry association asking which Standard would be in force in the show rooms this winter.

Mr. Crawford said that the new

Standard has, of course, superseded the old one.

The secretary: The writer of the letter I refer to wants to know if we have not power to compel this association to use the new Standard. The association has advertised that the old Standard shall be used.

Miller Purvis: We, as the American Poultry Association, have no authority in such a matter. I want to see the American Poultry Association place itself in such a position that it may legally govern all exhibitions held in this country.

President Holden: A judge who is loyal to the American Poultry Association will refuse to longer use the old Standard in his work of awarding prizes.

The secretary was instructed to draw a draft in the amount of \$33 and complete payment of bill for stenographic report of the Minneapolis meeting.

D. Lincoln Orr: I think we should revise our by-laws. We also have a burdensome executive committee. I tried hard to have the constitution and by-laws omitted from the issue of the new Standard, believing that the constitution and by-laws would be materially changed very soon.

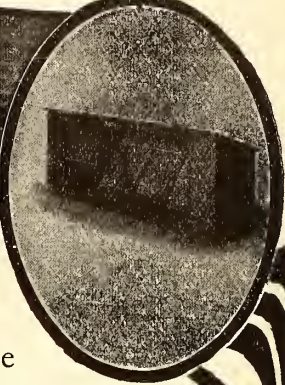
George O. Brown: This is not a representative meeting of the association. Let us wait until we secure such a meeting before discussing so important a matter.

D. Lincoln Orr: We are never able to secure a representative meeting of the association.

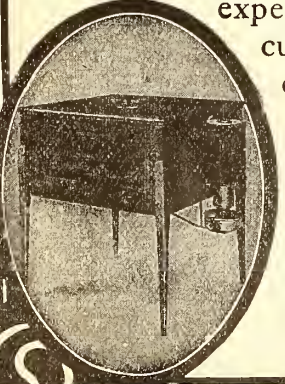
Eugene Sites: What about the errors in the new Standard? How are we to correct them?

Miller Purvis: Send each member of





Can I help you to mature your plans for next season's poultry work? Is your laying stock properly housed to remain healthy, and are your feeding methods such as to produce profitable results? Are you going to rear any winter Broilers or Roasters? There is money in this if handled right. I can tell you of methods that will produce profitable results. Simple methods that the beginner can follow with success, and methods that may help you—the experienced breeder. If at all in doubt on any point in poultry culture, tell me your plans and let me advise with you. If you contemplate the purchase of an incubator or brooder, do not fail to investigate the merits of the MODEL. They are high-class machines for practical work, and are guaranteed to give satisfaction. Catalog mailed upon request.



CHAS. A. CYPHERS
301 Henry Street, Buffalo, N. Y.

the association a copy of *Farm Poultry*.

Secretary Orr: On page 25 of the new Standard, in the section, referring to sweepstakes prizes the word "latter" is used instead of the word "former," thus handicapping the parti-colored birds instead of the solid colored specimens.

The Secretary was authorized to correct error.

The secretary reported that he had sold 6,812 copies of the Standard. There will be, he said, ample funds in the treasury to meet all bills as they are presented.

Thursday, January 18, 1906, was named as date of the regular meeting, which will be held in Cincinnati, Ohio.

A committee consisting of Geo. O. Brown, D. Lincoln Orr and Miller Purvis reported the following resolution, which was unanimously adopted:

Whereas, by the dispensation of Divine Providence our well loved brother member, John L. Cost, has been called from this life and

Whereas, His departure from among us is a great loss to the American Poultry Association, depriving it of the support and counsel of one who ever had its best interests at heart, be it

Resolved, That the American Poultry Association, assembled at Hagerstown, Md., this October 12, 1905, hereby expresses the deep grief of its members and their high appreciation of his merits, power for good and loyalty, feeling that the place left vacant by him will not easily be filled. Be it further resolved, that this action be spread on the minutes of the association and a copy thereof be transmitted by the secretary to Mrs. John L. Cost, with our sincere sympathy for her in her bereavement.

On motion of Miller Purvis the meeting adjourned.

THE CALIFORNIA PROMOTION COMMITTEE.

The following letter signed by Rufus P. Jennings and sent out from the State Central Organization of the California Promotion Committee with headquarters at San Francisco, will be of interest to our readers:

The California Promotion Committee, the State Central Organization, representing 152 commercial organizations in California, announces that there will be held in San Francisco in the coming December a great poultry exhibition, under the auspices of the California Poultry Association. Poultry associations throughout the Pacific Coast are united to make this exposition a great success, and it is the idea not to represent any particular town or place, but to show the importance of the industry upon the coast, and the necessity for increasing same.

I would be glad if you could publish this letter in your paper and state that this committee will be glad to answer any inquiries regarding this exhibition, and that the committee, furthermore, will appreciate exhibitors from eastern states sending their fowls and exhibits to the exhibition on this coast. It is proposed to make the exhibition not only the largest one of its kind ever held on the coast, but also the most unique and instructive, and to bring out the practical workings of the industry by demonstrations of operating poultry plants of all kinds as well as by exhibits. Large premiums and prizes will be offered, of a character to invite the most successful breeders throughout the country.



Amatite ROOFING

Send to-day for free sample

The best Ready Roofing for all purposes. Cheap, durable and sightly. Easy to lay, and wears longer than any other. The defects in others have been avoided—their good qualities improved.

To all who write at once we will send a free sample and booklet posting you on the roofing problem.

BARRETT MANUFACTURING COMPANY

New York	Chicago	Kansas City
St. Louis	Philadelphia	Cincinnati
Allegheny	New Orleans	Minneapolis
	Cleveland	

FEED THIS MUCH AT OUR RISK

THIS IS THE MONEY BACK LINE

Healthy Hens—More Eggs

Are you thoroughly satisfied with the results from your Hens and Chicks?
Are you getting as many Eggs as you should?
Are you getting Eggs when they're Scarce and Prices high?

Are your Fowls healthy and vigorous?

It's the FEED that brings Results, and we want you to try

PURINA POULTRY FEEDS

next time you buy, on our new selling plan—Results or No Pay.

There's a feed or combination for every purpose and for all seasons. Every one has been Tested, Tried and Proved until Perfect for the purpose before it was put on the market.

The great PURINA MILLS, "Where Purity is Paramount," have done all the testing for you, and have done it so thoroughly that every element of doubt, guesswork or uncertainty has been removed, and you can Feed with absolute certainty of getting the results you are looking for.

One kind saves the lives of Little Chicks—brings up highest percentage of every hatch to maturity in 60 to 90 days—healthy, vigorous and strong.

Other kinds and combinations—

Make EGGS—make it possible to secure every egg your Hens are capable of producing. Make sweet, tender, juicy FLESH—delicate and toothsome as a milk-fed capon. Make your fowls FAT for marketing in the shortest possible time.

Here is Our New Selling Plan.

Our ample Capital, immense Mills, and the Quality of our Feeds make it possible.

Purina Feeds are sold through Dealers in 100-lb. Bags. But to enable you to test them at our risk we have got up a Special 40-lb. Bag, with a "Money Back Line" one-quarter of the way down. We will send you four of these 40-lb. bags for \$4.00 either through your dealer or direct from the Purina Mills. If you order direct, you must give the name of the firm in your town from whom you usually buy your Poultry Feeds. Make your selections from this list.

Purina Mash to make hens lay

Purina Chick Feed

You may omit one or more of above feeds, if desired, and may order TWO BAGS, but not more, of any one item.

Purina Scratch Feed

Purina Alfalfa Meal

When the bags come, feed to the "Money Back Line" on each bag, and watch RESULTS. One Full Quarter of each bag is yours to try at our risk, without pledge or promise. If you are not thoroughly pleased in every way, just write us, and we will send back every penny of your money, freely and willingly, and tell you where to send the feed that's left at our expense. WE PAY FREIGHT BOTH WAYS.

If you would like to know more about Purina Feeds, FIRST ask us to send you the PURINA STANDARD POULTRY FEEDER. It's interesting, full of Poultry knowledge, and it's FREE.

Purina Mills, B Street, St. Louis, Mo.

Pacific Coast Orders filled by Acme Mills Co., Portland, Ore.
Canadian orders by The Tillson Co., Tillsonburg, Ont.

ORR'S COLLIE DOGS

are a wonderful help in the poultry business—good day and night. Some beautiful puppies now at \$10 each. Booklet free.

T. E. ORR Box 807, Beaver, Pa.

Shaw's Wyandottes

Silver Laced, White and Buff. Also Buff Orpingtons and Duroc-Jersey Hogs. I can furnish good breeders or show birds that will win. Prices low, quality considered. Write your wants.

JOHN A. SHAW

Box E 55

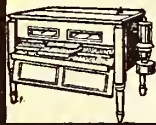
McKittrick, Mo.

Pratts the original
Stock and Poultry
Foods of America.
Did you know that?
Several millions do,
and so ought you.

A FRESH HATCH EVERY DAY

By a simple but effective mechanical arrangement and a new application of nature's laws the "CONTINUOUS" HATCHER makes it possible to keep up a continuous hatching of chicks from one machine—A FRESH HATCH EVERY DAY. Removing chicks from machine and replacing them with fresh eggs does not interfere with or retard process of incubation. This is possible with no other incubator. One

"CONTINUOUS" HATCHER



will hatch as many chicks as several ordinary incubators. Simple, effective, sure. Free catalog tells how. Write for it today. Hacker Incubator & Mfg. Co. 3101 N. Jefferson Ave. St. Louis, Mo.

50 GOOD HENS

are better than 100 of "fair average." In every 100 there are many only average and some very poor layers. Why keep them? It's feed and care wasted. Put good layers in their place. Just as easy to have all profit makers.

The Walter Hogan System

is to the poultry business what the Babcock Milk Tester is to the dairy. You can select every good layer and detect every poor one. Choose cocks that will breed good layers. A perfect system of selection and breeding evolved through many years study and experiment. Any one can apply it to his own profit in his own business. No cost if you find it not satisfactory. Write for particulars.

THE WALTER HOGAN COMPANY,
17 Nat'l Bank Bldg., Forges Falls, Minn.

THE HAGERSTOWN SHOW.

The Pathway a Few Fanciers Broke to the Doorway of John L. Cost
Now a Great Public Highway, Traveled by Hundreds of Farmers
from Every State in the Union and of Canada—4,700 Head of
Poultry Shown this Year—A Great Social Function.

Written by Thos. F. Rigg, Associate Editor A. P. J.

The great Hagerstown show of 1905 has come and gone. There is but one Hagerstown poultry show. There is not another like it. It is doubtful if it is possible to duplicate it in America. This exhibit has an individuality and a character all its own. It is the product of work and sentiment. Conditions existing at Hagerstown are not to be found elsewhere. There is romance and glamour surrounding and influencing the management of this exhibition. It is held in a locality in beautiful Maryland where the people are far enough north to be somewhat influenced by the spirit of commercialism, and near enough to all that is generous and noble and kind in the nature of the people of the south.

For fifty years the Hagerstown fair has been a fixture. The fathers and mothers, the grandfathers and grandmothers of many of the present day, residents of Washington County, Maryland, were identified with the fair management, or knew it as their source of recreation when the fall's work in the fields was done.

This fair is a magnet which draws thousands of people from Maryland, Virginia and Pennsylvania every October. Everybody pulls for the Hagerstown fair. There has never been any strife or contention in the management. This is not as it usually is in the management of such enterprises, but in this, as in other particulars, the difference is marked.

As a social function this fair is not approached by any other fall exhibition. An eminent author has said "Be true, and the world will break a pathway to your door." Fanciers found John L. Cost true in all his dealings with them and they broke the pathway to the door of the Hagerstown fair. Since then that pathway has become a great public highway and is now annually tread by hundreds of fanciers and exhibitors from every state in the union and from Canada on the north.

Four thousand two hundred entries of poultry, and nearly all high class stock shown by representative fanciers. That is a proud position for an exhibition to hold, surely.

The awards were placed by J. H. Drevstedt, Geo. O. Brown, D. A. Nichols, Chas. McClave, Wm. Stanton and Fred Crangel.

THE EXHIBITORS.

Rock Hill Poultry Farm, Ossining, N. Y.; G. W. Moody, South Montrose, Pa.; B. F. Jones, South Montrose, Pa.; Harry E. Bair, Hanover, Pa.; Henry Tieman, Baltimore; J. W. Mitchell, Canisteo, N. Y.; Montrose Farm, Catonsville, Md.; M. R. Shaner, Pottstown, Pa.; J. G. Dayhoff, Smithsburg; Wilbert H. Myerly, Baltimore; G. A. Geyer, Florin, Pa.; August D. Arnold, Dillsburg, Pa.; N. B. Warner, Hamilton, Va.; Christian C. Burrough, Clayton, N. J.; Chapman & McQuillian; H. F. Chase, Andover, Mass.; George M. Bell, Voorhesville, N. Y.; C. M. Tobin, Wallaston, Mass.; George Good, J. M. Gossard, Hagerstown; M.

Yohn, Westminster, Md.; David Shoemaker, Catasqua, Pa.; E. L. Tallinan, Nyack, N. Y.; W. A. Smith, Whitney's Point, N. Y.; Edgar L. Andrew, Candor, N. Y.; T. E. Orr, Beaver, Pa.; W. H. Vansant, Annapolis, Md.; J. M. Black, Cockeysville, Md.; M. L. Forney, Chambersburg, Pa.; George Moore, Altoona, Pa.; R. D. Rieder, Middletown, Pa.; Edward O. Noll, Allentown, Pa.; Kinter Bros., Dillsburg, Pa.; Harry M. Roab, Tallastown, Pa.; A. and B. Schilling, Rochester, N. Y.; H. A. Irrig, Rochester; F. M. Terpenning, Oneonta; Charles H. Fisher, Westminster; S. J. Harlacker, Hanover, Pa.; H. L. Tike, Meyersdale, Pa.; Ira B. Sleet, Warsaw, Ky.; J. M. Skiles, Pittsburg, Pa.; Bird Bros., Meyersdale; John H. Buckey, Baltimore; J. L. Kern & Son, Schnecksville, Pa.; H. B. Swarner, Plainfield, Pa.; L. P. Platt, York, Pa.; F. G. Bouquet, Oswego, N. Y.; Ralph N. Schlosser, William H. Butts, Hagerstown; Gideon O'Harne, Wolfsville, Md.; J. Fred Schleicher, Hagerstown; John and Leslie Snider, Hagerstown.

E. H. Ganes, Gaffney, S. C.; D. Lincoln Orr, Orr's Mills, N. Y.; F. D. Baerman, Dunellen, N. J.; A. P. Groves, Philadelphia; C. P. Nettleton, Shelton, Conn.; William E. Stockley, Philadelphia; W. M. Gorsuch, Philopolis, Md.; F. W. Corey, Ossining, N. Y.; M. J. Kafer, Baltimore; Harry Ulrich, Canton, Md.; W. A. Shafter, Oneonta, N. Y.; E. G. Wyckoff, Ithaca, N. Y.; Christiau Clusman, Baltimore; H. M. Moyer, Bechtelsville, Pa.; Steward L. Fegley, Allentown, Pa.; Mrs. E. Turner, Baltimore; William Reese, Fullerton, Pa.; George Fox, Philadelphia; E. N. Morris, Grove, Pa.; Louis Gebhard, Phillipsburg, N. J.; White & Goodacre, Watchung, N. J.

A. W. Rudy & Son, Funkstown; Lee Pitchlynn, Washington; Albert Yodder, Munhall, Pa.; Hoffman & Yerger, Saratoga, Pa.; Frank L. Seller, Fort London, Pa.; Alfred W. Pleasants, Cockeysville; William H. Schaefer, Baltimore; Charles S. Shirk, Hanover, Pa.; M. B. Hill, Williamson, Pa.; J. F. Kirkpatrick, Caston, Pa.; Charles H. Stanley, Laurel, Md.; Bruce H. Knepper, Clearspring, Md.; F. Taylor Thompson, Washington; R. P. Magrauder, Grifton, Md.; Marie Hilderferd, Joseph P. Hilderferd, Allegheny City, Pa.; J. D. Lambert, Hagerstown; Aaron M. Engler & Bro., Hummelstown, Pa.; F. G. Bean, Collegeville, Pa.; George Burn, Tilsonburg, Can.; Allen G. Oliver, Valdosta, Ga.; J. G. Reed, Hagerstown; Mrs. Denton Cole, Winwood, Pa.; Louis Blank, Germantown, Pa.; Winfield S. Crane, Clayton, N. J.; R. J. Farren, Orange, Va.; C. E. Schofield, Washington; George W. Wege, Hanover; L. C. Surrick, Hanover; J. H. Mehning, Littlestown, Pa.; G. A. Clark, Seymour, Ind.; Michael A. McCormick, Washington; Spangler Bros., Hanover; Dundas & Lynch, Phillipsburg, N. J.; Benjamin B. Jones, Lake Roland, Md.; J. H. M. Daniel, Warsaw, Ky.; Mrs. R. P. Hines, Rockville, Md.;

Guss Gessner, Linfield, Pa.; D. P. Shrove, Fall River, Mass.; J. L. Wolfinger, Hagerstown; I. B. Roming, Reading, Pa.; David B. Trout, Blandon, Pa.; Karl L. Heremann, Laurel, Md.; Miss Sophia C. Pitchlynn, Washington; S. G. Hoke & Son, Springfield Forge, Pa.; George B. Hart, Baltimore; Henninger & Shenabrook, Chambersburg, Pa.; A. J. Fell, Westpoint, Pa.; B. H. Sheldon, West Oneonta, N. Y.; I. W. Wolfinger, George T. Rhinehart, Smithsburg; S. P. E. Stockslager, Louis S. Stockslager, Funkstown; Newton Young, Hagerstown; A. L. Woody, Charles Towu, W. Va.; George A. Howard, Oneonta; M. E. Rose, Washington; W. A. Shook, McGaheysville, Va.; Henry Preston, Morton, Pa.; Roland C. Booth, Washington; Johnson Hellen, Garrett Park, Md.; William D. Kneisell, Hanover; William Kimler, Joseph A. Burkhart, Smithsburg; W. H. Overbaugh, Hanover; R. Harrison, Clayton, N. J.; David Dayhoff, Midvale, Pa.; H. A. Jaeger, Baltimore, Md.; J. M. Connelly, Charles-town, S. C.; C. E. Bass, Washington, N. J.; W. M. Shaylor, Lee, Mass.; Edward Oyster, Strawberry Ridge, Pa.; O. E. Remsen, Annapolis; W. W. Keely & Keen, Pottstown.

Dr. W. C. Cleckley, Augusta, Ga.; Charles Morrison, Carlisle, Pa.; John A. Bauer, Baltimore; A. A. Miller, McKeesport, Pa.; U. J. Daniels, Whitman, Mass.; F. I. Bennett, Point Pleasant, N. J.; Charles M. Diffendaffer, Baltimore; Dr. E. H. Witmer & Son, Neffsville, Pa.; Charles E. Long, Lancaster, Pa.; I. S. Miller, Allentown; Mahlon Guldin, Kutztown, Pa.; R. K. Small, Hagerstown; J. C. Lanterbach, Baltimore; F. H. Wright, Boston, Mass.; Frank B. Smith & Son, Hagerstown; J. F. Childress, Sweetwater, Tenn.; Norman Rice, Hagerstown; Rev. H. S. Nagengast, Hancock, Md.; L. S. Dayhoff, Midvale; Edward T. Ritter, Hagerstown; Daniel V. Shank, Hagerstown; E. J. Wilver, Washington; Washington Waters, Rockville; Dr. T. M. Scharloock, Charleston, S. C.; Geo. H. Hillson, Amenia, N. Y.; McKenney & Miller; R. N. Miller, Red Lion, Pa.; Charles W. Wilson, Carlisle; O. A. Borgardis, Warsaw, Ky.; Clarence N. Keller, Hagerstown; J. W. Johnson, Funkstown; Mrs. J. N. Johnson, Funkstown; William P. Bikle, Hagerstown; C. Feldman, Hagerstown; E. P. Eyler, Funks-

town; C. S. Crumblin, Marysville, Pa.; H. T. Harman, Carlisle; Plymouth Poultry Farm, York; H. Beck, Ravenna, O.; D. C. Kaltkeider, Red Lion; Ernest R. Spencer, Meridan, Conn.; Mentzer Duck Farm, Waynesboro, Pa.; C. H. Spangler, Zullinger, Pa.; W. L. Elsea, Berryville, Va.; William G. Minnick, Carlisle; Charles T. Corriman, Carlisle; Frederick Corriman, Carlisle; L. W. Verdery, Augusta, Ga.; H. H. Verdery, Augusta, Ga.; H. H. Verdery, August; John D. Summer, Kensington, Md.; Calvin Hicks, Rockville; Adam F. Noll, Allentown; William Birley & Co., Frederick, Md.; F. B. Beall, Berryville, Va.; E. C. Snyder, Allentown; W. H. Barksdale, Falls Church, Va.; Cumberland Poultry Yards, Bridgewater, Va.; A. L. Hinterleiter, Wilkinsburg, Pa.; George B. Davis, Vernon Mills, Va.; H. G. Eowa, Shillington, Pa.; J. E. Weaver, Johnstown, Pa.

UP AND DOWN THE AISLES.

Well done, W. Frank Spahr!
As a toastmaster Tom McGrew takes all the prizes.

F. D. Baerman was present, pleading the cause of the American Reds. We think Mr. Baerman is taking this matter altogether too seriously.

We heard but little A. P. A. politics talked. Eugene Sites, of Ohio, announced his candidacy for president.

Geo. L. Harding, of Binghamton, N. Y., was a short time visitor at the fair. Uncle Sam's poultry foods and remedies are very popular, everywhere, especially in the east. They are made on honor. Geo. L. Harding would stand for nothing else in the conduct of his business affairs.

H. V. Crawford, secretary of the great New York Madison Square Society show, was present during the week. Mr. Crawford says there will be a particularly strong class of Barred Rock at the Garden in January. The Rock Club has put up \$300 in special prizes and the New York show management has added \$50 thereto. Dan Lambert and Henry Schaub will place the awards.

A. L. Sparks, better known as Ivory Soap Special Sparks, was 65 years of age one day of the show. We hope the deacon can make it 65 years more.

D. Lincoln Orr, ex-president and ex-secretary-treasurer of the American

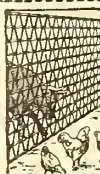
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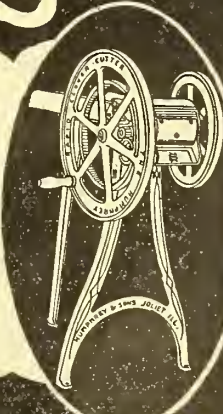
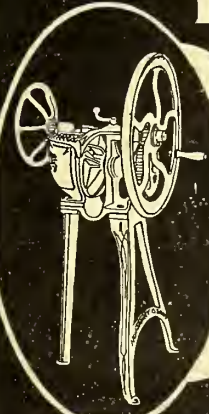
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BARRED ROCKS Exclusively I have several good yearling cocks (exhibition birds), some good hens (breeders), and a lot of promising chicks for sale. Write your wants, **Mrs. TILLA LEACH, 1 Main St., Cheneyville, Ill.**

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Special sale of cockerels. Lots of three each, \$4 and \$5, according to quality; lots of six each, \$6 and \$8. All other stock at reasonable prices. Stock of the best Chicago winners. Send for circular.

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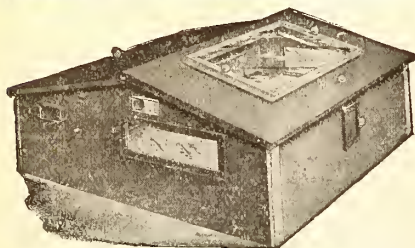
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Regulates digestion by properly assimilating the food, a process absolutely necessary to health and productiveness in poultry.

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Without grit the feathered tribe cannot be healthy or productive. This is a well demonstrated fact in nature. Ignorance of it has cost millions. Grit is to fowls what teeth are to other members of animal creation. Mica Crystal never loses its sharpness, it is the best.

Let us prove the truth of what we say by filling a sample order for you.

DARLING & CO., Agents,
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Poultry Association, was present during the week and kept busy answering the greetings of his many friends.

A great many fanciers inquired of the writer as to the whereabouts of Fred L. Kimmey. They had expected and hoped to meet him during the week. An A. P. A. meeting without Mr. Kimmey's pleasing personality and wise counsel seemed incomplete.

Tom Orr had a very busy week of it. He judged the cattle and the sheep, arranged for and attended the meeting of the American Poultry Association, besides being in evidence at banquet and other meetings.

Miller Purvis ably represented Illinois. There is only one Miller Purvis.

Geo. E. Howard of the *Feather*, the *American Fancier* and the Howard Publishing Company, Washington, D. C., spent a day at the fair. Those who know say that a short time ago George nailed a contract to print labels for Uncle Sam that is fast making him (not Uncle Sam) a bloated bondholder. We hope it is true. There is no man in the world who deserves success in big chunks more than Geo. E. Howard.

Daniel P. Shove of Fall River, Mass., was a guest of honor all week. Mr. Shove is one of the best friends of the Rhode Island Reds and will be at Cincinnati to see to it that the injustice done the Rose Combs at Minneapolis is not perpetuated. There will be other good friends of the Rose Combs there, too. Mr. Shove showed his Reds and Houdans at Hagerstown and, as usual, was in the winnings.

We had the pleasure of meeting Lee Pitchlynn and Miss Sophia Pitchlynn of Washington, D. C. They had S. C. Brown Leghorns and Barred Rocks on exhibition. The first prize hen went to these enjoyable people. As Mr. Pitchlynn says, all honor is due to Miss Pitchlynn, who cares for the stock. Let us here recite a fact, which shows how much of an expert at poultry raising she is: On April 7 she took a brood of chicks from the nest. The pullets were laying August 22. In November she set some of these pullets' eggs. In two months from the time chicks were hatched from these eggs they weighed two pounds each. This record was made with Barred Rocks. If a poultryman had accomplished these results he would have proclaimed it from the housetops.

W. H. Overbaugh, Hanover, Pa., showed a string of magnificent White Rocks. Before the awards were placed he sold the first cockerel to F. W. Corey of the Rock Hill Poultry Farm, Ossining, N. Y. Mr. Overbaugh is a fancier through and through and knows how to produce the best. His word is as good as a bond and his customers always get the best of treatment.

Au. D. Arnold showed a string of his Columbian Wyandottes. The celebrated cock bird Teddy, the New York winner, was shown in the string. He is a magnificent specimen of this now very popular breed. Mr. Arnold has a very large flock of these birds, many of them being sired by Teddy.

T. E. Orr showed his Wyandottes, all varieties, and Buff Orpingtons. He won his share of prizes, as he always does.

The exhibitor who had cause to be most proud is F. W. Corey, manager of Rock Hill Poultry Farm, Ossining, N. Y. He made the wonderful record of taking about all the desirable prizes in White



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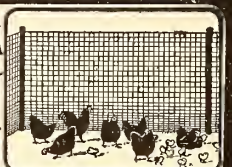
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Wyandottes in very warm competition. In this class he won 1-4 cock, 1 hen, 1 cockerel, 1 pullet, 2-4 pen. His other winnings were: White Rocks, 3 cock, 4-5 hen, 1 cock, 5 pullet, 1-2-3 pen. S. C. W. Leghorns, 1 cock, 2 pullet. Buff Cochins Bantams, 1 cock, 2 cockerel, 1 pullet, 1-2 pen. On Partridge Wyandottes, first and second cockerels; second and third pullet; fourth, hen and second pen; Ivory Soap special for best white bird in the show; special for best Leghorn in the show, any variety; special for best Plymouth Rock in the show, any variety; also special for best White Wyandotte cock, hen, cockerel and pullet. Mr. Corey is an experienced breeder and Rock Hill Farm is to be congratulated on securing his services. He will make it a quality poultry farm—not quantity.

Eugene Sites, Elyria, Ohio, was one of the heavy exhibitors. As is his custom he showed a number of the winners. We think the winnings which pleased him the most were his victories in the Partridge Wyandotte contest. When we say that Eugene Sites is all right we state a fact known to all poultrymen.

Chas. T. Corrman, Carlisle, Pa., had some Bantams, game and other varieties, of extra good quality on exhibition. Mr. Corrman has the largest Bantam plant in the world, and his record as a breeder and exhibitor is second to none.

Charles McClave worked hard and faithfully, as is his custom when placing awards. In the Barred Rock classes he found some knotty problems, but brought them out, his work being endorsed by all the exhibitors. Mr. McClave was a large exhibitor, winning many prizes.

J. H. Drevenstedt was there, of course. Hagerstown show without kindly, genial and loyal "Drev" would not be half so enjoyable. We do not think there is another page in poultry journalism that is read with as much interest by the real, true fanciers as is the notes under the line "From the Editor's Perch" in the *American Fancier*. There is a pleasing individuality, a ring of truth and high ideal that makes it so interesting to all men having the fancier's spirit within them.

W. C. Denny represented the Cornell Incubator and Peep-of-Day brooders. Denny sheds a ray of sunshine wherever he goes. And he knows how to sell machines.

T. F. McGrew, who knows more fanciers and is by more fanciers known than any other man, was with the throng until Friday.

Geo. O. Brown, one of the patriarchs of the order, still an enthusiast where good poultry is concerned, judged a number of the important classes to the entire satisfaction of all concerned. Mr. Brown has a beautiful farm near Baltimore, where he brings forth extra good Barred and White Rocks.

Hon. D. A. Nichols, the most competent Cochins judge in all America—or elsewhere—royal good fellow and on-the-square always, came early and remained till late.

Billy Stanton, in company with "Drev," did not propose the value of a winning at Hagerstown should be depreciated. Hence those tears.

Before the banquet the usual parade took place, over 200 fanciers being in line. There were two divisions, one being in charge of W. C. Denny, Ithaca, N. Y., and one in charge of N. B. Warner, Lincoln, Va. The paraders wore

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Cuts dependably into 1-8 inch lengths, never clogs with anything like fair feeding. Four 8-inch solid-center spiral knives, throat full cutting width, made strong, runs easy. Weight 60 lbs. For particulars, address,

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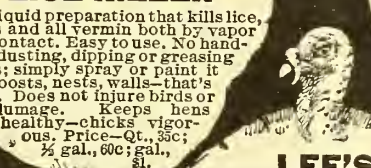
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The liquid preparation that kills lice, mites and all vermin both by vapor and contact. Easy to use. No handling, dusting, dipping or greasing fowls; simply spray or paint it on roosts, nests, walls—that's all. Does not injure birds or plumage. Keeps hens healthy—chicks vigorous. Price—Qt., 35c; ½ gal., 60c; gal., \$1.



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Do you get eggs in winter, when eggs are high? Lee's Egg Maker makes them for others—will for you. It furnishes fowls just the elements they need and turns their feed into eggs instead of fat. Keeps hens busy laying eggs—fertile eggs, and lots of them. The natural food for winter eggs. Price 25c, 50c, \$2. Try it this winter.



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the best poultry medicine made. Cures Roup, Colds, Frosted Combs, Canker, Inflammation of the Throat, Bowel Complaint and Chicken Cholera. Keeps poultry profitable—sick hens don't lay—dead chicks don't sell—GERMOZONE keeps them all well. It's a reliable remedy you should always keep on hand. Ask your dealer for Lee's preparations or send DIRECT to us and we will supply you at once.

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Fancy and utility White Wyandottes. Surplus stock all sold. EGGS in season \$2 per fifteen.

BIG SUCCESS WITH HOGS.

SOME farmers are more successful with hogs than others. The man that only gets 8 lbs of pork out of a bushel of corn fed to hogs makes only half as much as the man that gets 18 lbs.

The American Swineherd is a specialist and the best authority on the hog industry.

The greatest success results from concentrating all efforts upon one line.

Three-fourths of the farmers waste a third of their feed given to hogs because they do not understand the best methods.

The American Swineherd teaches you how to be successful.

How to secure the greatest profits.

How to feed, to double the growth and gain over usual methods.

How to keep your hogs healthy, as only healthy ones are profitable.

How to get 18 pounds of pork out of a bushel of corn, and 20 pounds out of a bushel of wheat, fed to hogs.

Prof. Kennedy of the Iowa Agricultural College says: "Your paper is a leader on feeding."

One man writes: "A single instructive lesson in the Handbook on Hog Hygiene saved me \$50 in feeding a bunch of 40 hogs 60 days over the ordinary way of feeding. It is the best investment I ever made."

Every owner of hogs should take advantage of this special offer:

Send us \$1 for two years' subscription to the American Swineherd and it will entitle you to a free copy of the Hand Book on "Hog Hygiene," with trade secrets, recipes, valuable information, etc. If the offer is accepted in ten days we will send you in addition

"The Pig Feeders' Manual," worth a \$1 itself.

This equips you for a successful hog business.

AMERICAN SWINEHERD

Como Bldg., Chicago, Ill.

white caps and yellow satin ribbons, with silver chickens, and carried canes cut from Antietam battlefield.

J. Fred Crangel of Valley Farm was on the judges roll as usual. Fred is so busy at home with polo ponies and Russian wolf hounds that the poultry at Valley Farm is in retirement at present, but will soon be brought out. It is always a pleasure to meet Crangel.

Here is a good thing. D. Lincoln Orr was among the notables who rode in a carriage in the parade. It was a cold, rainy day and Link criticised the driver for not having a laprobe. "Young man," said the driver, "I drove a carriage in this parade a year ago and had to pay for a lost robe." What did Link say? Well. What?

Chas. A. Cyphers had a line of his incubators and brooders and foods on display.

C. P. Nettleton and the writer had a very pleasant visit, that is, it was very pleasant so far as we were concerned. Mr. Nettleton admitted to us that there were some good Light Brahmas in the west, and we admitted that all eastern Brahmas are not Cochranized.

President Geo. D. Holden found all the eastern fanciers present pleased to make his acquaintance, and to wish him well. George broke the long distance record, coming through without stop from Portland, Ore., that he might preside at the A. P. A. meeting.

Think of Tom Orr and C. P. Nettleton occupying the same bed. Ye gods, that is something to wonder at.

W. Frank Spahr, upon whose shoulders the greater part of the work of making the Hagerstown show a success fell, received the congratulations of all exhibitors and visiting fanciers. Mr. Spahr has grown up in connection with the Hagerstown show fair, being near the management for many years. His father and brother were exhibitors there many years ago. His father and the late John L. Cost were known as "the two Johns." Frank came to the fair first as a boy seeing the sights, next as an exhibitor, then assistant cooper. Later John L. Cost took him into the office. Upon the death of Mr. Cost Frank took entire charge of the office work and management of the show.

Geo. Fox of Torresdale, Philadelphia, Pa., made a good showing in Buff Rocks.

A party composed of H. V. Crawford, D. Lincoln Orr, Miller Purvis and Thos. F. Rigg and wife made a trip over the battlefield of Gettysburg. Mr. Crawford had been there before—during the

days when this great and important battle was raging. He knew as well as the professional guide the party employed, every spot on the field and the movements of the troops on either side during those awful three days of carnage. The other members of the party considered themselves as being especially fortunate in having the privilege to make the visit with Mr. Crawford. The schoolboy who hid his books and run away to war was a brave and honorable soldier. He was less than 21 years of age when he left the service of his country, having been a soldier several years.

Friends of the late John L. Cost have presented Mrs. Cost with a beautiful memorial cup. During the week Mrs. Cost received several beautiful floral pieces, the gift of friends of her departed husband.

Four thousand two hundred head of poultry and pigeons. There is but one Hagerstown fair.

The Columbian Wyandotte germs are in the air. It seemed as though nearly every eastern breeder we talked with was afflicted with the desire to get hold of some Columbian Wyandottes. We guess we told the truth more than a year ago when we said there was sure to be something doing in Columbian Wyandottes.

A large number of the boys would like to get a peep at the specimens of that new breed Brother Wycoff is keeping in hiding.

"Great show they are having at Hagerstown this week," remarked a stranger to H. V. Crawford on the train bound for Gettysburg. "Very great," replied the gentleman from New York and New Jersey. "Yes," said the stranger, "Hagerstown is headquarters for good poultry in America. More fowls shown there every year than at any other show in this country or Canada. And better ones, too. Why, the New York show looks like 30 cents in comparison to this show. Have you ever seen the New York show?" Right here the talkative stranger noticed something in the piercing eyes of the man he was addressing which warned him that he had better stop talking. He did so. As we were leaving the car he inquired of the writer as to the name of the man he had talked to. "That is Mr. H. V. Crawford, secretary of the great New York show," we replied. "The —," exclaimed the Marylander as he hurriedly alighted from the car.

The last we saw of Miller Purvis was at Weaverton up in the mountains. We had bid him good-bye at Hagerstown.

Rock Hill Poultry Farm

OSSINING, : NEW YORK

White and Silver Penciled Plymouth Rocks, White and Partridge Wyandottes, White Leghorns and Buff Cochins Bantams

A record of 41 first, 36 second and third prizes at Syracuse and Hagerstown, together with eight of the best specials given at the latter show; namely: Silver Cup for best white bird in the show; specials for best Leghorn, Plymouth Rock and Wyandotte, any variety, in the show, and specials for best White Wyandotte Cock, Hen, Cockerel and Pullet proves our Stock to be the best. **High-Class Birds For Sale. Eggs in Season.**



First Prize Hagerstown; special for best white bird in the show; special for best Wyandotte, any variety; special for best White Wyandotte Pullet.

depot, where he was to take a train north, we going south. When we got off the train at Weaverton there was Purvis. "What are you doing here and where are you going?" we asked while on the run to catch a train waiting for us. "Don't know," came back the answer from Purvis.

Next show—next October—will be the fifty-first anniversary of the Hagerstown fair. May we all meet there again.

THE BANQUET.

The banquet which is always tendered to the visiting poultrymen by the fair association was held Wednesday night. More than 150 guests were seated at the tables. A table, made in V-shape, fully occupied the large dining room of the Hamilton house.

Seated at the head of the table were Senator B. A. Betts, superintendent of Hagerstown fair; Miller Purvis, Peotone, Ill., editor of *Poultry*; T. F. McGrew and George E. Howard, of Washington, editors of the *Feather*; D. Lincoln Orr, ex-president of the American Poultry Association, of Orr's Mills, N. Y.; T. E. Orr, secretary of the American Poultry Association, of Beaver, Pa.; Thomas F. Rigg, Iowa Falls, Iowa, associate editor of the AMERICAN POULTRY JOURNAL; Charles McClave, ex-president of the A. P. A., of New London, Ohio; Judge George O. Brown, of Baltimore; Judge Dr. Steven T. Lea, Charleston, S. C.; W. Frank Spahr, superintendent of poultry, and D. H. Staley, of Hagerstown.

Colonel Schley, on behalf of the fair association, delivered the address of welcome. Colonel Schley commented on the shortness of life and the suddenness of death, and said that soon after death it is the lot of almost every man to be forgotten. But it is not so with one who at one time was the chief among poultrymen. He closed by saying that so long as those present shall live and so long as the Hagerstown Poultry Show shall be a success, so long will the memory of the late John L. Cost continue to be as fragrant and fresh as the grass upon the green hills of our country. He then proposed that a silver toast be drank standing in honor of the departed officer.

T. F. McGrew, of Washington, acted as toastmaster.

Toasts were responded to as follows:

"Growth of the Fancy," T. E. Orr, Beaver, Pa.

"Iowa and the West," Thos. F. Rigg, Iowa Falls, Iowa.

"The Empire State," D. Lincoln Orr, Orr's Mills, N. Y.

"The South," Dr. T. S. Lee, Columbia, S. C.

"The Wooden Hen," W. C. Denny, Ithaca, N. Y.

The memorial address was delivered by Miller Purvis, as follows:

"I think all of us who have foregathered here from year to year have the same feeling tonight. To himself each one of us saying:

"Oh, for the touch of a vanished hand
The sound of a voice that is still."

"The clasp of a hand the warm touch of which ever made us feel the strong bond of brotherhood which existed between us and the one whose place tonight is occupied by a vacant chair, the sound of a voice which always spoke words of welcome, good cheer and the joy of living.

"He was one of those to whom we refer as the Old Guard. One of those who laid the foundation upon which was built the splendid industry which brings us here. We speak of them almost with reverence. One by one, time, which is relentless, brings them to the parting of the ways. One by one they pass the gate of the Great Mystery and come back to us no more forever. For them the hands on the great dial of time stands still and after life's fitful fever dream they rest well.

"I stand here tonight feeling that it is a great honor to have been chosen to speak in praise of him for whom we mourn.

"Without sacrificing his principles he died the friend of the whole world, because he was first generous and then just.

"The life of a man is not valuable because of what he may have done in the way of winning fame or piling up wealth. The efforts of the life of any man must be measured by the memories he leaves behind him, the currents he sets in motion and their effect on those with whom they come in contact. Judged by this criterion our dead friend lived a well rounded life, to him came gospel measure of success, heaped up, pressed down and running over.

"In every walk in life he did his whole duty and did it well. As soldier or civilian, as a private man of business, or as a public servant, whatever his hand was set to do he did thoroughly and in a way to command respect and admiration.

"He was one of God's noblemen. Earnest, sincere, unostentatious, loyal to his friends and direct in his methods he was, in the highest and best sense of the word, a man.

"A man of sorrows his voice was never lifted to bewail his condition or misfortunes. Death had treated him cruelly by taking away from him those whom he loved with a depth of feeling and a tenderness which few of us

suspected. He seemed to feel that yonder were the Hilltops of Hope, whose height he might sometime win.

"I think I may say without boasting that I was one among his closest friends. He talked to me freely about his own interests and those in which we were mutually interested. In all the years I knew him I never heard him utter a single solitary word that even hinted at malice or ill will.

"When my time comes
'To wrap about me the draperies of my couch,
And lie down to pleasant dreams,'

"I ask no grander monument than that I may leave behind me as many pleasant memories, as many sorrowing friends as were left behind John L. Cost when peacefully he fell asleep.

"May his memory remain green as long as the blue hills of Maryland he loved so well lift their tops heavenward, as long as the stars swing in their courses, as long as the waters of the rivers seek the sea."

In closing, Toastmaster McGrew said: "May God be as just, as kind and as generous to John L. Cost as he was to all men."

COSTLY FISHING CLUB.

A committee of the Costly Fishing Club, composed of Senator D. A. Nichols, J. H. Drevenstedt, J. Fred Crangle and George O. Brown, met and arranged with a florist for an elaborate and beautiful floral design, which was placed on the grave of their honored dead—John L. Cost.

A special meeting of the club was held and the following resolutions adopted:

"Whereas, our esteemed president, John L. Cost, died in April, 1905,

"Resolved, That the club, out of respect to his memory, do hereby disband.

DAVID A. NICHOLS,
H. V. CRAWFORD,
J. H. DREVENSTEDT,
J. F. CRANGLE,
A. L. SPARKS,
CHARLES F. CORNMAN,
T. T. MCGREW,
D. LINCOLN ORR,

Committee.

The club was made up of men prominent in the poultry world, and was organized for purely social purposes, a banquet being held by the club in New York each year. Since the death of Mr. Cost, after whom the club was named, the members felt that they would not care to continue the association longer, and thought that the most suitable place at which to disband was in the home town of the departed member for whom their club was named.

Neat Booklets in one or more colors, Catalogues, Circulars, Letter Heads, Business Cards, Blanks, Show Supplies, Half-tones, Etchings, Wood Engravings, Electrotyping. Write for a free sample sketched of letter head. Special attention given to printing for poultrymen.

CHAS. REINACH, ENGRAVING

ABSOLUTE SATISFACTION GUARANTEED AT

CAXTON
ENGRAVERS AND PRINTERS

EMBOSSERS AND ELECTROTYPERS
334 DEARBORN ST., CHICAGO.

Attractive printing costs no more than poorly gotten up printed matter. Knowing how is the secret. Our location enables us to procure the best artists—best designers—best printers—best stock—best everything, on short notice, enabling us to handle orders promptly.

GEO. H. HERALD, PRINTING

AN INCUBATOR TRIUMPH

**SUCH AS NEVER BEFORE HAS BEEN ACHIEVED
IN THE HISTORY OF THE ART OF INCUBATION.**

Story of the 1906 Pattern Standard Cyphers, telling how the Cyphers



**The 1906 Pattern
Standard Cyphers.**

What would you think if some one were to tell you that the Cyphers Incubator Co., within the short period of two years, had improved its standard incubators to so great an extent that the leading poultrymen of this country are to-day **practically unanimous** in pronouncing it to be "the most perfect hatching machine ever devised by human ingenuity and skill?"

That is precisely what has been done, and it will be our pleasure to prove this claim to the satisfaction of all persons who read the series of advertisements of which this is **NUMBER ONE.**

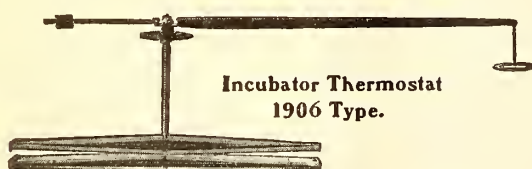
We dare say you've heard about the Cyphers Incubator.

Most people have who read poultry papers.

It may be, therefore, that you have knowledge of the fact that thousands of poultrymen, including the most experienced and expert operators of incubators in this and foreign lands, have repeatedly declared their belief—based on conviction—that the genuine Standard Cyphers Incubators, for years past, have been the best hatching machines on the world's markets.

Times without number in the history of the art, incubator and brooder manufacturers—experienced men at that—have made changes in their machines, acting in good faith, but without taking the proper precaution to make absolutely sure that the changes were in fact improvements.

Placing untried goods on the market is both unwise and unfair. It is unwise from the point of financial investment, because the individual or company that does this will be called on to replace the defective or worthless articles, and it is unfair for the reason that the buyers of such goods will be disappointed and injured. Nor will their loss ever be made good. The defective articles may be replaced, but this does not restore lost opportunities.



**Incubator Thermostat
1906 Type.**

MAKING ABSOLUTELY SURE: It was for the foregoing reasons that the Cyphers Incubator Company, even after its officers became convinced, as a result of carefully conducted experiments, that several well considered additions to its standard incubators were valuable aids to incubation, nevertheless decided to subject the new patterns to a decisive test in all parts of the United States and Canada, before offering them for sale.

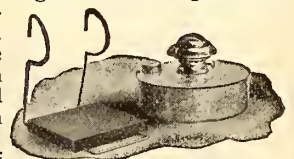
Incubator Company, after two years of investigation and experimenting, constructed 250 new-pattern machines, then, instead of offering them, untried, to the buying public, secured abundant and absolute proof of their superior hatching qualities by having them tested in all parts of the U. S. and Canada.

We realized, too, that extreme care should be exercised in seeking to improve the old style Cyphers, which has excelled in hatching records all other makes of incubators, both in this country and Europe. Thousands of poultry raisers have pronounced it practically perfect, basing their opinion on its work as compared with that of other types of incubators. Nevertheless, it was our belief that the machine could be improved, and neither time nor money was spared in the effort.

PUT TO THE TEST: After working a year and a half on lines as above indicated, we manufactured during the latter part of April, 1905, 250 of what we styled the **1906 pattern Standard Cyphers Incubators**, embodying in their construction the various improvements we believed should be made, and then more than 225 of these new pattern machines were shipped by us to well known poultrymen and experienced operators located in widely distant sections of the country, to some near the seacoast, to others in the central west, to others in northern latitudes, to others in the southern states and to still others located at high altitudes, in mountainous regions. We were determined to have the new style machines tested by actual use in every latitude where incubators can be successfully operated.

In sending out the 1906 pattern Standard Cyphers Incubators to be tested throughout the United States and Canada, we did not select solely such poultrymen as were customers of this company, but included a considerable number whom we knew had been using incubators during many years, and regardless of what make of incubators they were using. **Invariably we selected men whose names in the poultry business are synonymous with integrity and reliability.** In our opinion not one of these men would make a false report or lend his name to purposes of deception, either directly or indirectly.

TAKING LONG CHANCES: We fully understood, at the time we sent out these machines, that it was late in the season, and that therefore we were taking long chances as regards satisfactory results. If the reports received of the trial hatches had ranged from 70 to 80 per cent of the fertile eggs, we would have been satisfied. The readers may well imagine, therefore, our gratification when report after report came in, representing practically all parts of the country, telling of 85, 90, 95 and 100 per cent hatches made with the new pattern machine in the hot weather of June, July and August, after the fowls had been laying all spring, and at the time when fertility was low and the germs were weak. These reports, **exactly as received by us**, and representing practically every State in the Union, from the Atlantic seaboard to Colorado, and from Canada to the Gulf States, will appear in our 1906 catalogue, and as many of them as practicable will be published in the series of advertisements, of which this is **NUMBER ONE.**



New Lamp Support.

Improvements In 1906 Pattern Standard Cyphers Incubators.

(Five New Patents Pending.)

The improvements made by us in the Standard Cyphers Incubators, and what we claim for them, briefly stated, are as follows:

1. Increased cubic capacity of hatching chamber, giving a greater volume of air and supplying more oxygen to the developing chick embryo.

2. Drop or hinged bottom to all Standard machines (Nos. 0, 1, 2 and 3) which, when let down, exposes the entire lower felt diaphragm, thus securing greater elasticity of ventilation, thereby adapting these machines to a far wider latitude in range of temperature.

3. Self-elevating nursery drawers (in the Nos. 2 and 3 Standard machines) for the reception of chicks and ducklings first to hatch and for use, as carrying boxes for transporting the chicks and ducklings to the brooders or brooding house.

4. Staggered ventilating holes in drop bottom, which break up and diffuse the circulation of air to a beneficial extent.

5. Improved toggle lever thermostat, by the use of which one-fifth of a degree of change in temperature in the hatching chamber will open the heat damper to an extent sufficient to control the heat.

6. Lock-nut at bottom of connecting rod that attaches the thermostat to the regulator arm, which renders it impossible for the nut to fall off or the connecting rod to work loose.

Improved Heater.

7. Double removable top diaphragms, so constructed that the thermostat (which is properly placed and adjusted at the factory) need not be removed nor interfered with at any time, for any purpose.

8. Fine texture fabric used for upper diaphragm, which permits the heat to pass through more readily into the hatching chamber, resulting in a saving of 15 to 20 per cent of oil.

9. Sloping or "dished" egg-trays, (in the No. 0 and No. 1 Standards and in the Farm Economy and Boy's Choice Incubators) i. e., trays which slope to the center from all points of the tray, thus assisting to equalize the temperature on a level with the top surface of the eggs in these small, sized machines. The "inclined" (sloping) trays are retained in the Nos. 2, and 3 Standards.

10. "Split" or double lower diaphragm, which can be removed, washed, aired, replaced and the space between the burlap and felt readily cleaned.

11. Removable wire screen frames which protect the interior of the Nos. 2 and 3 Standard Incubators when the drop bottoms are let down and that can be taken out at will when it is desired to clean these large-sized, deep-bodied machines.

12. Ease of access through open bottoms of Nos. 2 and 3 Standard machines for purpose of cleaning after a hatch, or at end of hatching season.

13. Special top and side ventilators for drying off ducklings, which makes these machines combination hen-egg and duck-egg incubators, rendering unnecessary the purchase of "special duck" incubators.

14. Patented gravity chick guard, which automatically prevents the chicks or ducklings in the nursery drawers from being injured when the drawer covers are pushed into place and the drawers are withdrawn.

15. Adjustable, safety lamp support, instantly attachable without the use of nails, screws, bolts or other fastenings.

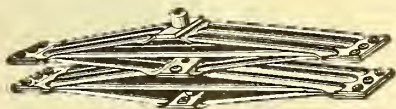
16. Guide ring on lamp burner, which renders it impossible to misplace lamp.

17. Black enameled metal cap and metal band for heater, which protect the asbestos heater jacket and add greatly to the durability and appearance of heater.

18. Removable mica on heater, so that it can be taken out to be cleaned, or can be replaced if broken.

Absolute and Abundant Proof.

Month by month we shall present in this series of advertisements absolute and abundant proof of every claim made in the foregoing tabulation. This proof will appear in the form of reports of test hatches as made with the 1906 pattern Standard Cyphers Incubators in all parts of this country and Canada, by foremost fanciers, by the proprietors and managers of the largest and most successful poultry plants in America, and by professors of agriculture and poultry husbandry on the government experiment stations of the United States and Canada.



The Essex Thermostat for Brooders.

Cyphers Incubator Company is carefully testing two types of self-regulating outdoor brooders that embody different principles of heating—radiation and "diffusion," upon which applications for patents have been made. In keeping with our practice, neither of these brooders will be placed on the market until we have thoroughly satisfied ourselves that they are practical and trustworthy. Thus far manufacturers of brooders have not been successful in constructing a dependable, self-regulating outdoor brooder. Realizing that outdoor brooders of this description will be judged on their merits as a self-regulating device, we shall not offer these brooders for sale until we have tried them throughout an entire season at our experimental rooms, and on our poultry farm, and even then not until they have been tested for us, in large numbers, by careful poultrymen located in different parts of the country, as we did in the case of our 1906-pattern incubators. The above illustrated thermostat has been invented for use in the Cyphers Company's self-regulating outdoor brooders.

TWO SAMPLE REPORTS.

Following are two sample reports, telling of the sensational work performed by this latest triumph of American invention:



MONARCH INCUBATOR

JAMES RANKIN, Proprietor.

SOUTH EASTON, MASS., June 21, 1905.

Cyphers Incubator Co., Buffalo, N. Y.

Gentlemen:—The two Incubators you sent me arrived in good shape, and I was surprised at the great improvement over the old style. The deepened egg chamber, the increased ventilation and the nursery drawers for the reception of the ducklings, ARE ALL GREAT IMPROVEMENTS, and though the machines arrived rather late in the season for our work, I was so anxious to test their merits that I set one up and filled it with duck eggs, filling one of our 600-egg Monarchs at the same time. The eggs were from the same yards. The machines were operated in the same room and BY MYSELF, as I wished to make AS FAIR A TEST AS POSSIBLE.

I was a little surprised at the result, as the Cyphers hatched fully as well as the Monarch, an admission I HAVE NEVER BEFORE been willing to make for any other machine ever manufactured. In fact, THE CYPHERS CAME OUT TWO AND ONE-HALF PER CENT AHEAD, with as fine a lot of ducklings as I ever saw.

I was very much pleased with the working of the Cyphers. THE REGULATION IS PERFECTION ITSELF, leaving nothing to be desired, and I congratulate you on putting out an incubator that the public can depend upon to do their work in the best possible manner.

Yours truly,

James Rankin

WILLIAM COOK & SONS

Established 1873

Originators of all the Orpingtons.

ENGLISH ADDRESS,
St. Mary Cray, Kent.

SOUTH AFRICAN ADDRESS
Marshall Square, Johannesburg.

Scotch Plains, New Jersey.

UNITED STATES OF AMERICA.

Scotch Plains, N. J., July 7, 1905.

Cyphers Incubator Co., Buffalo, N. Y.

Dear Sir:—It is with great pleasure that we announce the splendid results obtained from your 1906-pattern Standard Cyphers Incubator (360-egg size).

THREE HUNDRED AND SIXTY EGGS were placed in the incubator. Sixty proved infertile at first test and two at second test, leaving 298 good eggs, out of which 282 HEALTHY CHICKS WERE OBTAINED (a 94 2/3 per cent. hatch).

We have never seen a quicker hatch; it was only six hours from the time the first chick was out to the last. The temperature of the incubator DID NOT VARY A DEGREE, being run at 103 degrees ALL THE TIME. The ventilators were closed to start, being gradually opened daily until the 15th day, when they were wide open.

We consider this machine THE FINEST WE HAVE EVER RUN, and shall take pleasure in recommending it to our customers. The hatch came off on June 24, and thus being so late in the season was a severe test for an incubator. THERE IS NO DOUBT IN OUR MINDS and we speak from years of experience with many makes of incubators in this and other countries THAT THE 1906 PATTERN OF THE STANDARD CYPHERS IS THE BEST IN THE WORLD IN BOTH APPEARANCE AND USEFULNESS.

Wishing you every success, Faithfully yours,

Wm Cook & Sons

"The Machine" of Profitable Hatches."

If you, reader, are thinking of buying an incubator, and want what the most successful poultrymen have declared to be by odds the most perfect hatching machine invented, kindly send your name and address and we will mail you, postpaid, a copy of our preliminary pamphlet, "A Step Nearer Perfection in the Making of Incubators," and will also list your name to receive a copy of our complete catalogue for 1906, "Poultry Raising Made Easy and Profitable," which will be ready for mailing in December. First come first served. This new catalogue is to consist of 228 pages, 8 by 11 inches, and will contain a large amount of valuable information, including a complete, illustrated description of our full line of manufactures, embracing the following popular Cyphers specialties,

Mealed Alfalfa,	Feed Cookers,	Cut Clovers,
Short-cut Alfalfa,	Lice Powder,	Shredded Clovers,
Shredded Alfalfa,	Egg Paint,	Mealed Clovers,
Chicken Coops,	Fumigating Candles,	Food Hoppers,
Portable Houses,	Egg Preservative,	Grit and Shell Boxes,
Shipping Coops,	Poultry Remedies,	Leg Bands,
Egg Carriers,	Chick Food,	Egg Testers,
Food & Water Vessels,	Laying Food,	Wire Fencing,
Bone Cutters,	Forcing Food,	Roofing,
Chicken Punches,	Scratching Food,	Sprayers.

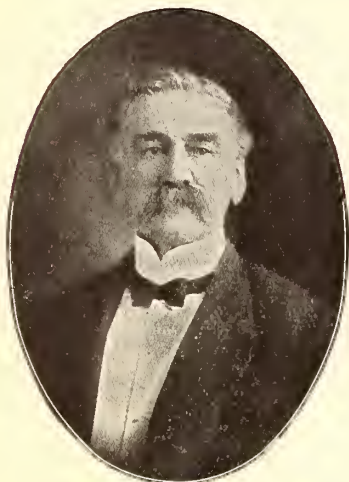
Write us to-day, addressing nearest office.

Cyphers Incubator Company.

Factory and Home Offices, Buffalo, N. Y.

Branch Stores and Warehouses: 23 Barclay St., New York, N. Y.; 26-30 Union St., Boston, Mass.; 310 Fifth Avenue, Chicago, Ill.; 329 Sansome St., San Francisco, Calif.; 2325 Broadway, Kansas City, Mo.; 19-25 Finsbury Pavement, London, E. C., England.

Judges and Their Engagements for the Season of 1905-06



I. K. FELCH, NATICK, MASS.

Holyoke, Mass., Nov. 22-25, 1905.
Falmouth, Mass., Nov. 28-30, 1905.
Springfield, Mass., Dec. 4-9, 1905.
Danville, N. H., Dec. 12-14, 1905.
Hamilton, Ohio, Jan. 1-6, 1906.
Owens Sound, Canada, Jan. 8-10, 1906.
Dalton, Mass., Jan. 16-19, 1906.
North Adams, Mass., Jan. 23-26, 1906.



THOMAS F. RIGG, IOWA FALLS, IOWA.

Mount Ayr, Iowa, Nov. 15-18, 1905.
Taylorville, Ill., Dec. 6-9, 1905.
Watertown, S. D., Dec. 18-22, 1905.
Painesville, Ohio, Jan. 8-12, 1906.
Cincinnati, Ohio, Jan. 16-20, 1906.
Chicago, Ill., Jan. 22-28, 1906.
Cleveland, Ohio, Jan. 29-Feb. 3, 1906.



O. L. McCORD, DANVILLE, ILL.

Louisville, Ill., Nov. 1, 1905.
Catlin, Ill., Dec. 5-9, 1905.
Potomac, Ill., Dec. 12-15, 1905.
Kinmundy, Ill., Dec. 19-25, 1905.
Danville, Ill., Jan. 1-6, 1906.
Montpelier, Ohio, Jan. 10-15, 1906.
Sheldon, Ill., Jan. 18-20, 1906.
Indianapolis, Ind., Feb. 4-10, 1906.



W. S. RUSSELL, OTTUMWA, IOWA.

Greenfield, Ill., Nov. 14-17, 1905.
Warsaw, Ill., Nov. 16-18, 1905.
Tabor, Iowa, Nov. 21-24, 1905.
Mason City, Iowa, Nov. 28-Dec. 2, 1905.
Lancaster, Mo., Dec. 4-8, 1905.
Stanberry, Mo., Dec. 7-12, 1905.
Clarinda, Iowa, Dec. 12-16, 1905.
Humeston, Iowa, Dec. 18-22, 1905.
Iowa State, Altoona, Dec. 26-30, 1905.
Illinois State, Danville, Jan. 2-6, 1906.
Colorado State, Denver, Jan. 8-12, 1906.
Nebraska State, Lincoln, Jan. 15-20, 1906.
Milwaukee, Wis., Jan. 22-28, 1906.
South Dakota State, Jan. 30-Feb. 6, 1906.
St. Paul, Minn., Feb. 5-11, 1906.



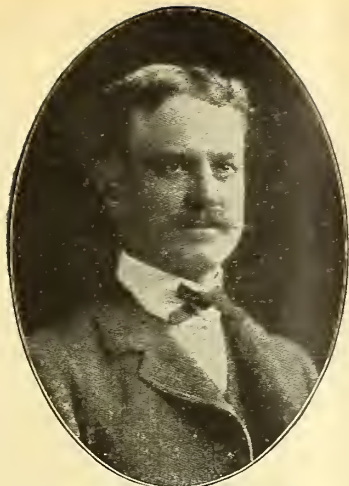
D. J. LAMBERT, APPONAUG, R. I.

Montreal, Canada, Oct. 17-18, 1905.
West Haven, Conn., Nov. 21-24, 1905.
Adams, Mass., Dec. 6-7, 1905.
Milford, Mass., Dec. 12, 1905.
Beverly, Mass., Dec. 13, 1905.
Easthampton, Mass., Dec. 14-15, 1905.
Manchester, N. H., Dec. 19, 1905.
Concord, N. H., Dec. 20, 1905.
West Brookfield, Mass., Dec. 21, 1905.
Freeport, Me., Dec. 27-29, 1905.
Cambridge, Ohio, Jan. 3-6, 1906.
Naperville, Ill., Jan. 9-12, 1906.
Oshkosh, Wis., Jan. 15-20, 1906.
Chicago, Ill., Jan. 22-27, 1906.
Exeter, N. H., Jan. 30-31, 1906.



D. T. HEIMLICH, JACKSONVILLE, ILL.

Pueblo, Col. (State Fair), Sept. 11-15, 1905.
Cape Girardeau, Mo., Oct. 10-12, 1905.
Hillsboro, Ill., Oct. 14-15, 1905.
Carrollton, Ill., Oct. 14-15, 1905.
Enfield, Ill., Nov. 9-11, 1905.
Boonville, Mo., Nov. 28-30, 1905.
Mt. Sterling, Ill., Dec. 1-2, 1905.
Rofe, Iowa, Dec. 4-7, 1905.
Jacksonville, Ill., Dec. 13-16, 1905.
Colorado Springs, Col., Dec. 17-23, 1905.
Gordonsville, Mo., Dec. 25-27, 1905.
Eldorado, Ill., Dec. 28-30, 1905.
Olney, Ill., Jan. 2, 1906.
Oakland, Ill., Jan. 5-6, 1906.
Topeka, Kan., Jan. 9-13, 1906.
Canton, Ill., Jan. 15-20, 1906.
Louisville, Ky., Jan. 22-28, 1906.



C. G. HINDS, ALAMEDA, CAL.
Portland, Ore. (Lewis & Clark Ex.). Oct. 5-12, 1905.
Corvallis, Ore., Nov. 30, Dec. 1-2, 1905.
Alameda, Cal., Dec. 6-9, 1905.
San Diego, Cal., Dec. 13-16, 1905.
Los Angeles, Cal., Jan. 8-15, 1906.



C. H. RHODES, TOPEKA, KAN.
Lincoln, Neb., Sept. 1-6, 1905.
Hiawatha, Kan., Sept. 7-8, 1905.
Topeka, Kan., Sept. 11-15, 1905.
Bethany, Mo., Sept. 15-16, 1905.
Lawrence, Kan., Oct. 4-10, 1905.
Garnett, Kan., Nov. 13-16, 1905.
Lincoln, Kan., Nov. 17-18, 1905.
Carthage, Mo., Nov. 22-23, 1905.
Plainville, Kan., Nov. 27-29, 1905.
Minneapolis, Kan., Nov. 30-Dec. 2, 1905.
Palmyra, Mo., Dec. 4-6, 1905.
Savannah, Mo., Dec. 7-9, 1905.
Kirksville, Mo. (State Show), Dec. 12-16, 1905.
Columbus, Neb., Dec. 18-20, 1905.
Weeping Water, Neb., Dec. 21-23, 1905.
Meriden, Kan., Dec. 26-27, 1905.
Clay Center, Kan., Dec. 28-30, 1905.
Jackson, Mo., Jan. 1-5, 1906.
Denver, Col. (State Show), Jan. 8-13, 1906.
St. Joseph, Mo., Jan. 15-20, 1906.



H. P. SCHWAB, ROCHESTER, N. Y.
Madison Square Garden, New York, Jan. 2-6, 1906.
Charlotte, N. C., January 16-20, 1906.
Chicago, Ill., Jan. 23-27, 1906.
Note:—At New York and Chicago I will have the Barred Plymouth Rocks to judge.



J. W. MULINIX, TOLEDO, OHIO.
Prairie Depot, Ohio, Nov. 27, 1905.
Goshen, Ind., Jan. 1-5, 1906.
Adrian, Mich., Jan. 2-8, 1906.
Oak Harbor, Ohio, Jan. 9-12, 1906.
Hudson, Mich., Jan. 31-Feb. 3, 1906.
Toledo, Ohio, Jan. 31-Feb. 5, 1906.



C. A. EMRY, CARTHAGE, MO.
Carthage, Mo., Nov. 22-25, 1905.
Pierce City, Mo., Nov. 27-29, 1905.
Miami, I. T., Nov. 30-Dec. 1-2, 1905.
Hennessey, Okla., Dec. 4-6, 1905.
Webb City, Mo., Dec. 7-9, 1905.
Missouri State Show, Dec. 11-16, 1905.
Parsons, Kan., Dec. 18-20, 1905.
Wakita, Okla., Dec. 21-23, 1905.
Wellington, Kan., Dec. 25-28, 1905.
El Reno, Okla., Jan. 1-3, 1906.
Stillwater, Okla., Jan. 4-6, 1906.
Fulton, Mo., Jan. 11-13, 1906.
Springfield, Mo., Jan. 15-18, 1906.



S. B. JOHNSTON, FAIRLAND, IND.
Birmingham, Ala., Dec. 12-15, 1905.
Madison Square Garden, N. Y., Jan. 2-7, 1906.
Elwood, Ind., Jan. 11-16, 1906.
Cincinnati, Ohio, Jan. 17-21, 1906.
Chicago, Ill., Jan. 23-28, 1906.
Kansas City, Mo., Jan. 24-30, 1906.
Indianapolis, Ind., Feb. 6-11, 1906.



U. J. SHANKLIN, ANAMOSA, IOWA.
Cedar Rapids, Iowa, Oct. 2-7, 1905.
Martell, Iowa, Nov. 29-30, 1905.
Glidden, Iowa, Dec. 11-14, 1905.
Norway, Iowa, Nov. 14-16, 1905.
Indianola, Iowa, Dec. 27-29, 1905.
Other dates pending.

F. J. MARSHALL, ATLANTA, GA.
Lynchburg, Va., Oct. 4-8.
Anderson, S. C., Oct. 17-20.
Charlotte, N. C., Oct. 23-28.
Birmingham, Ala., Oct. 25-30.
Agricultural College, Miss., Oct. 31-Nov. 2.
Charleston, S. C., Nov. 24-30.
Tampa, Fla., Nov. 20-25.
Mobile, Ala., Nov. 28-Dec. 2.
Huntsville, Ala., Dec. 5-8.
Monroe, N. C., Dec. 12-15.
Atlanta, Ga., Dec. 15-20.
Columbia, Tenn., Dec. 19-22.
Nashville, Tenn., Jan. 1-6, 1906.
Chattanooga, Tenn., Jan. 10-13, 1906.



H. A. EMMEL, MARS, PA.
Kittanning, Pa., Aug. 15-18, 1905.
Brookville, Pa., Sept. 5-8, 1905.
Clarion, Pa., Sept. 12-15, 1905.
Rimersburg, Pa., Sept. 19-22, 1905.
Dayton, Pa., Sept. 26-29, 1905.
Meyersdale, Pa., Sept. 27-29, 1905.
Marietta, Ohio, Dec. 26-29, 1905.



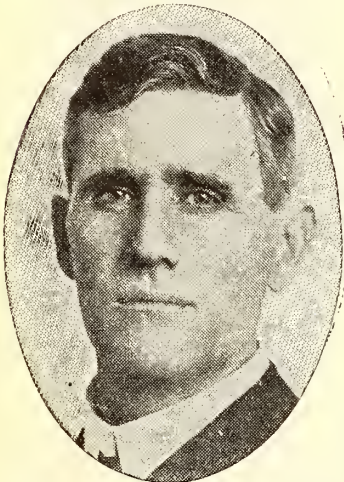
FRANK HECK, CHICAGO, ILL.
 Brookfield, Mo., Dec. 4-9.
 Oconomowoc, Wis., Dec. 11-16.
 Lewiston, Mo., Dec. 18-22, 1905.
 Streator, Ill., Dec. 20-23.
 Danville, Ill. (State Show), Jan. 1-6.
 Detroit, Mich., Jan. 6-12.
 Lake Geneva, Wis., Jan. 9-13.
 Rockford, Ill., Jan. 15-20.
 De Forest, Wis., Feb. 6-9.



A. B. SHANER, LANARK, ILL.
 Elsberry, Mo., Nov. 23-25, 1905.
 Fairfield, Iowa, Nov. 28-Dec. 1, 1905.
 Waverly, Iowa, Dec. 5-8, 1905.
 Lohrville, Iowa, Dec. 12-16, 1905.
 Iowa Falls, Iowa, Dec. 18-23, 1905.
 Winfield, Iowa, Dec. 28-30, 1905.
 Waxahachie, Tex., Jan. 2-5, 1906.
 Polo, Ill., Jan. 8-13, 1906.
 Nunda, Ill., Jan. 15-17, 1906.
 Dubuque, Iowa, Jan. 18-20, 1906.
 Huron, S. D., Jan. 23-27, 1906.



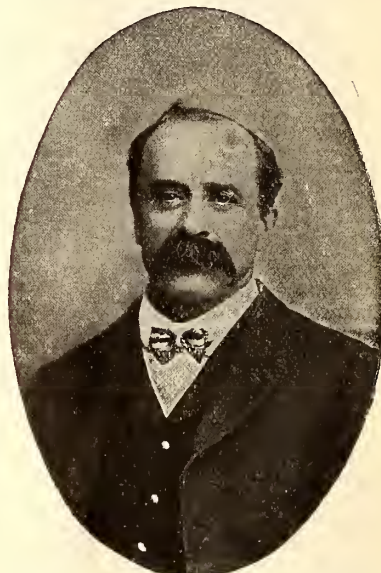
BEN. S. MYERS, CRAWFORDSVILLE, IND.
 Muscatine, Iowa, Nov. 21-24, 1905.
 Dwight, Ill., Dec. 13-16, 1905.
 Haubstadt, Ind., Dec. 18-22, 1905.
 Ravenna, Ohio, Dec. 26-29, 1905.
 Chilton, Wis., Jan. 8-13, 1906.
 Frankfort, Ind., Jan. 16-20, 1906.
 Martinsville, Ind., Jan. 16-20, 1906.
 Toledo, Ohio, Feb. 1-6, 1906.
 Indianapolis, Ind., Feb. 2, 1906.



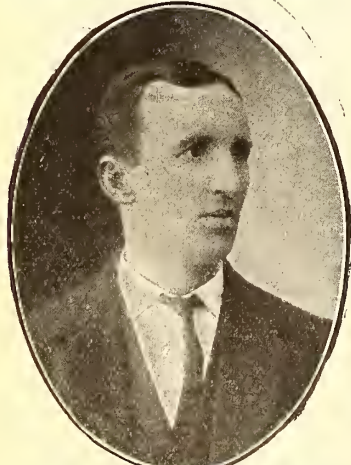
ADAM THOMPSON, AMITY, MO.
 Fairfax, Mo., Nov. 21-25, 1905.
 Spickard, Mo., Nov. 29-Dec. 2, 1905.
 Princeton, Mo., Dec. 5-8, 1905.
 Parsons, Kan., Dec. 18-22, 1905.
 Beatrice, Neb., Dec. 26-30, 1905.
 South Omaha, Neb., Jan. 2-7, 1906.
 Topeka, Kan., Jan. 8-13, 1906.
 St. Joseph, Mo., Jan. 16-21, 1906.



S. B. LANE, SPICELAND, IND.
 Houston, Tex., Nov. 13-19, 1905.
 Bethany, Ill., Dec. 5-9, 1905.
 Decatur, Ill., Dec. 12-16, 1905.
 Elwood, Ind., Dec. 18-25, 1905.
 Montpelier, Ind., Jan. 1-7, 1906.
 Portland, Ind., Jan. 16-20, 1906.
 Angola, Ind., Jan. 24-27, 1906.
 Indianapolis, Ind., Feb. 5-10, 1906.



C. A. BALLOU, WORCESTER, MASS.
 Atbol, Mass., Sept. 5.
 Oxford, Mass., Sept. 7.
 Norwich, Conn., Sept. 13.
 Amherst, Mass., Sept. 19.
 Woodstock, Conn., Sept. 20.
 Spencer, Mass., Sept. 21.
 Rockville, Conn., Sept. 26-27.
 Barre, Mass., Sept. 28.
 Northampton, Mass., Oct. 4.
 Palmer, Mass., Oct. 6-7.
 Holyoke, Mass., Nov. 22-23.
 Springfield, Mass., Dec. 4-5.
 Providence, R. I., Dec. 6-7-8.
 Milford, Mass., Dec. 12.
 Manchester, N. H., Dec. 18-19.
 Stamford, Conn., Jan. 17-19.



PHIL FEIL, CANAL DOVER, OHIO.
 Tus. County Fair, Oct. 18-19, 1905.
 East Palestine, Ohio, Dec. 27-28, 1905.
 Ripley, W. Va., Jan. 5-6, 1906.
 Findlay, Ohio, Jan. 9-13, 1906.
 Shelby, Ohio, Feb. 5-11, 1906.

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WASHING WHITE FOWLS

By S. A. McWILLIAMS, M. D.

As our S. C. White Minorcas are raised on a city lot they become very dirty from the soot and greasy smoke that results from the burning of a low grade of soft coal in the buildings which surround them.

Such birds must be well washed before they are put in the show room.

To wash them well, requires forethought, time and patience.

Hot water in sufficient quantity, corresponding to the amount of filth and number of fowl intended to be washed, must be prepared and kept in readiness to refill the tubs. We usually have a couple of kettles of boiling water also ready in addition, if needed. A good fire and a warm room at about 90 degrees is another requisite. The fowl are usually washed 3 or 4 days before being sent to the show room. This gives time for the birds to dry, and for the owner to straighten their plumage, and clean the dirt from under the scales of their legs.

For this purpose we use 3 ordinary wash tubs or boilers set up level, on barrels or benches about 2½ feet high. This height is essential for one's comfort, if many fowl are to be washed. It takes two persons from 15 to 45 minutes or more to wash a very dirty fowl. Soft water is best for use, but if not attainable then we use 2 tablespoonfuls of ammonia water in each tub. For soap we use the best white soap obtainable, such as white castile or ivory.

Our house washtubs are about two feet wide and 10 inches deep and are nearly filled with water. The water

in the first one has a temperature of about 92 degrees, the second 80 and the third 70 degrees. In the third tub, or boiler of water we put a teaspoonful of liquid bluing, but not enough to color the birds blue. We keep the temperature of the room at about 90 degrees. The coops for the birds are well cleaned, dusted and bedded with dry saw dust, wheat or rye straw and cleaned daily. Wheat straw is said to stain the wet birds yellow. It takes 12 or more hours for the birds to dry. Separate coops are best, as it prevents the fowls' droppings from soiling each other's plumage. For roosters the coops should be high enough (32 inches) to prevent them striking their heads when crowing.

Those chickens to be washed are placed in coops by our side. Our sleeves are rolled up, and held there by strong rubber bands.

To prevent our being thoroughly soaked by the splashing of the chickens, we put on aprons extending from our neck to our feet and fastened around the waist.

When everything needed is in readiness our assistant catches a chicken by the roots of the wings and pushes it down under the water until it is thoroughly soaked, with only its head above the water. The oily nature of the feathers prevents their being easily wet.

The bird should be so held in the middle of the tub, as not to bruise its tail against the side of the tub, and its head kept far enough back so as not to see over its edge or it will try all the more to jump out, and when prevented, will act mulish, lean back and kick and splash the water all over.

When it does so, it must be squeezed

right down to the bottom of the tub and held there until it learns better. As soon as the assistant puts the bird in the water we begin to rub the bird all over with our cake of soap, then to wash the head and neck.

With the fowl facing us, we thoroughly soap our hands, then the head and neck of the bird. With one hand on each side of the bird's head we rub vigorously, backward and forward, until we get the dirt off.

With an old tooth brush and soap and water, we scrub around the wrinkles of the comb, head, nose and chin until they are clean. Then we scrub and wash the feathers of the neck until they are clean. In the meantime the assistant has been soaking and soaping and scrubbing the back and wings. The assistant and myself each take a wing, spread it out on our hand, rub on the soap and rub the feathers between our hands, as we draw our hands along the soapy feathers, in the direction of their growth, both above and below, until they are clean.

The tail feathers are cleaned in the same manner. The sickle feathers of the rooster receive our special attention. They are carefully soaped and rubbed between the palms of our hands and our soapy hands are frequently drawn along the whole length of the tail and sickle feathers.

Having cleaned the head, neck, hackle feathers, back, wings and tail feathers, we now lift the fowl out of the water and lay it on its side on a perforated board (over the tub), which has been prepared beforehand.

The board we use is 14 inches broad without cracks and 2 feet long. It is laid across the top of the level tub,



**"LET ME SUGGEST:
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THE INCUBATOR OF
QUALITY."**

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are absolutely dependable, no matter under what conditions you place them, climatic or otherwise.

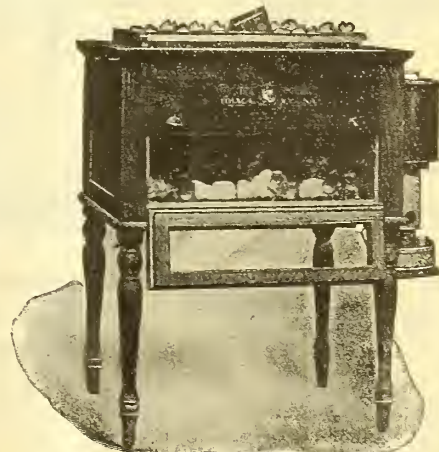
They will hatch for you a larger percentage of strong, vigorous chicks, which, when placed in our brooders, will mature with less loss, will grow more rapidly, and bring you more money, whether for market or the fancy. The success of last season's output is unparalleled in incubator history.

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FAMILY USE AND SOLD AT PRICES IN KEEPING WITH SUCH. MY FREE
CATALOGUE GIVES PRICES ON SINGLE BIRDS, PAIRS, TRIPS AND PENS.**



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HOW TO BUILD AN INCUBATOR and BROODER

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which contains our full line of Improved Incubator and Brooder Fixtures and Supplies, including our New

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Salt Lake City, Utah, July 25, '05.

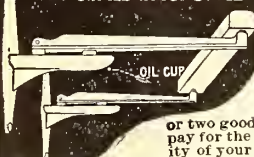
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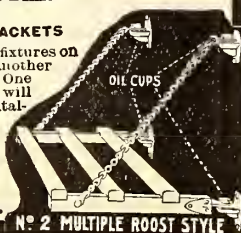
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Prices: No. 1 style with screws, 75c per pair; 3 pair, \$2.00; 6 pair, \$3.50. No. 2 style complete with chains and screws, \$1.25 per set; 3 sets, \$3.25; 6 sets, \$6.00. F. O. B., Battle Creek, Mich. (Prices do not include roosts.)

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No. 2 MULTIPLE ROOST STYLE

and pulled out to one edge of the tub. Along this outer edge of the board, on its under side, a narrow strip is nailed or screwed to prevent the board from slipping across the tub.

While the fowl is being soaked, soaped and washed on this board the water will run over the edges onto the floor, if not prevented. To obviate this, we make a groove on the upper surface of the board, in horseshoe form, around the board, near its edges, so as to guide the surplus water into the tub. All over this board, within the groove, we bore $\frac{1}{4}$ inch holes, 2 inches apart, for the water to run through into the tub.

This manœuvre readily allows the remaining parts of the bird, including the legs, to be thoroughly washed and cleaned.

The fluffy feathers are taken between our hands, soaped and scrubbed until clean.

With one hand holding a leg, the hock or thigh feathers are also soaped and scrubbed until clean.

Every now and then a dipper of warm water from the second tub is poured over our work to see if the feathers are clean.

While washing the fowl, be careful not to rub the skin off the side or wing joint.

When finished the washboard is removed. The assistant holds the fowl over the center of the tub and water from the second tub (which is close by) is poured over the bird from a dipper or cup. The bird is again examined for dirty spots. If any appear they are cleaned. When the comb, head, neck, body, wings, tail, fluff, breast and legs are clean, the fowl is put into the second tub of water and the soap thoroughly washed out of the feathers.

Special pains are taken to spread out the wings and wash the soap thoroughly out of them. We spread them out and rinse them in the water and lift the fowl up and down in the water, and take lots of time to wash off the soap. We also wipe the feathers with the ordinary soft hand brush. It is next put into the bluing tub and thoroughly soaked and washed again. If the water is too blue the bird will be too blue and so will be the owner.

We next place the fowl in the sink or on the table and squeeze the water out of the feathers and fluff with our hands. A nice medium-sized soft sponge is next used to dry the body of the bird as much as possible. We now sit down upon a chair and take two rough Turkish bath towels, place one upon our knees and with the other one we thoroughly dry the bird.

We now hold the fowl firmly by the legs, and throw it up in the air a few times and as it comes down it flutters and expands its wings and feathers. If little wads of tissue paper are inserted among its feathers and under its wings the bird will dry more rapidly.

The two wet bath towels are hung up to dry on a pole or line, while two others are used for the next bird.

As soon as the first tub of water is dirty, we empty it out and fill it from the second tub and add enough boiling water from the kettle to heat it up to 92 degrees.

The second tub is also filled with fresh, hot, clean water.

A toothpick is a good thing to remove the dirt from the scales on the legs.

To clean the legs thoroughly we hang the bird up in a sack, through which we

cut holes for the bird's head and legs to protrude through and then with a toothpick we remove the black dirt from under the scales.

After the birds are partially dry it is well to put them in a cooler room (to prevent sweating and weakness) until they are perfectly dry, which is known by feeling under their wings. It would be well to rub the feathers along their web occasionally with a silk handkerchief or a chamois skin or dry flannel.

Always rub down the way the feathers grow, when drying the feathers.

While washing, after the feathers have been thoroughly soaked and softened, the fluff and other small feathers may be rubbed in any direction without harm.

Having washed and dried the fowl, before laying it away, comb the webs of the wings and tail with a dry hand brush or clean hair brush, so as to spread out the webs of the feathers.

In lifting the birds out of the coops, take hold of the wing bows and extend the fingers under the bird.

When washing birds we always wash one or more birds than we need of each class, so that we may take our choice at the last moment.

Male birds must be kept apart. Females also should be unless they have been accustomed to each other, and then only 4 or 5 should be kept together.

I have had females soiled with blood, and their combs bruised on their way to the show.

Women after washing their hair often use a fan or hot air register to dry it more quickly.

A hand fan or an electric fan is a good thing to separate and dry the feather webs.

By holding up the wings and fanning against the fluff the feathers dry rapidly.

Some persons recommend the use of peroxide of hydrogen to be sponged over the feathers to whiten them, and after that to rub over the feathers a little aqua ammonia.

If a fowl is to be dried before a stove one must be careful not to get the feathers too near or they will curl up and be spoiled.

With old birds great care should be

taken to remove old scale from the legs without injuring the new scales underneath. All dirt must be removed from beneath them.

Hot air is much warmer near the ceiling, hence the higher up the coops are placed, the sooner will the birds dry.

To make the comb, back, wattles, ear lobes and toes look nice, some people use camphorated oil with a few drops of vinegar, spirits, sweet oil and alcohol equal parts, glycerine or vaseline. These are well rubbed into the parts and the excess thoroughly cleaned off. Dust and dirt is more likely to adhere to such a surface. Others merely polish the legs with chamois skin.

Remember that it takes work to get the feathers wet and soapy, and takes twice as much time and patience to get the soap out of the feathers again.

Some fanciers dust their fowl with powdered starch just before sending them to the show.

Get sufficient corn starch to dust the chickens. Lay a piece of large, strong paper on a table, place the starch on the paper, then pulverize it very fine.

Put on your large long apron, place a fowl on your lap, work the starch in among the feathers with pepper box or powder blower. Holes can be made in the cover of a tin box which can be used for dusting.

WEST MICHIGAN POULTRY FARM.

This farm is located near Bangor, Mich., and consists of 80 acres and is beautifully situated on an inland lake and is devoted entirely to fruit and poultry culture, and under the guidance of Mr. Bigelow, the owner, is rapidly being transformed into one of the finest farms in the peach belt, and under the careful management of Mr. Ayers, the overseer, the poultry raised on this farm is making a reputation in the show room that Mr. Bigelow may well be proud of. About 2,000 birds were raised this year, consisting of White and Barred Rocks, White Wyandottes, Partridge Wyandottes and Rhode Island Reds, and at the time of our visit, the middle of Octo-

ber, they had culled down to about 700, which goes to show that they believe in keeping nothing but the best and marketing all that does not come up to standard requirements. We predict that birds from the West Michigan Poultry Farm will make their mark in the large shows this winter, and the older fanciers will have to hustle if they retain their laurels. They have the stuff that makes winners.

In September, at the Grand Rapids fair, they entered five White Wyandottes and took two firsts and two seconds and the same on White Plymouth Rocks, and this in one of the strongest classes ever seen in Michigan. Their Barred Plymouth Rocks are equally strong.

Readers of AMERICAN POULTRY JOURNAL who are desirous of securing good stock and fair treatment should correspond with the West Michigan Poultry Farm, Bloomingdale, Mich., and mention AMERICAN POULTRY JOURNAL.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: By your permission, I should like to report through your columns about my last spring pullets and learn if any of your readers can beat it. I had a few B. P. Rock and White P. Rock and two bantam pullets hatched the latter part of April that have been laying for one month and the 15th of September I shut up one of the bantam pullets to break her setting. My pullets that were hatched fore part of May are also laying.

During the hot weather I run my incubator contrary to all instructions I have seen. I gathered my eggs every evening and put them into the incubator, taking out young chicks every day, getting 90 percent of a hatch.

Receipt for crop bound chicks: Give them a small bit of common baking soda, nothing so good. I. W. RHODES.

C. E. Vass, of Washington, N. J., the Orpington breeder, has a change of address this month, and writes that he is prepared to furnish better and more stock at very reasonable prices. He also has the finest Orpingtons this season that he ever bred, and is sure to please any one who may favor him with an order.

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, standard qualities have not been neglected. They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. **STOCK FOR SALE both OLD AND YOUNG. Illustrated circular free**

**None Better Anywhere
At Any Price.**

Winners at Madison Square Garden, N. Y., 1903-1904-1905

H. J. BLANCHARD

Box 997, Groton, N. Y.

Something New For Chicago

for an exhibitor to get FIVE FIRSTS on

White Wyandottes

CHICAGO SHOW, Dec. 1903;

1st Hen }
1st Pul. } W. WYANDOTTES
1st Pen }

CHICAGO SHOW, Dec. 1904:

1st Cock }
1st Hen }
1st Clk. } W. WYANDOTTES
1st Pul }
1st Pen }

Show Birds and Breeders for sale at all times.

J. L. JEFFERSON, Box A,



Something Old For Chicago

for JEFFERSON to get 1st clk. and 1st pul. on

White Rocks

CHICAGO SHOW, Jan. 1903:

1st Clk. }
1st Pul. } W. ROCKS
1st Pen }

CHICAGO SHOW, Dec. 1903:

1st Clk. }
1st Pul. } W. ROCKS

CHICAGO SHOW, Dec. 1904:

1st Clk. }
1st Pul. } W. ROCKS
1st Pen }

DES PLAINES, ILL.

Studebaker Model Poultry and Egg Farms

Breeders of Single Comb White Leghorns, Rose Comb Black Minorcas, Rose Comb White Minorcas, and White Holland Turkeys. High Class stock for sale. Eggs in any quantities.

Studebaker Model Poultry and Egg Farms

South Bend, Indiana

50 FIFTY 50

We have fifty Lt. Brahma, Partridge and Buff Cochins cockerels and cocks that must be moved. These are extra choice breeders and exhibition birds and will go at half their value. Prices \$2.50, \$5.00, \$7.50, \$10.00 and up. Send on your order or write for further particulars.

ELMDALE FARM, C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Iowa

\$100.00 IN CASH

Was won by Vanatta's S. C. White Leghorns at St. Louis World's Fair. At Chicago, January, 1904, I entered three cockerels in class of fourteen and won 1st, 3d and 5th cockerel. Choice breeding and exhibition cockerels, hens, pullets, trios and pens for sale cheap. E. E. VANATTA, R. F. D. 8, Vandalia, Mo.

2500 R. C. and S. C. R. I. Reds for Sale

I am now booking orders for immediate delivery of 2500 fine youngsters at \$2.50 each. Single cockerels \$3. Also 100 one-year-old and two-year-old hens and cocks at same price. First come first served. Satisfaction guaranteed.

OLENTANGY POULTRY YARDS,

CHARLES C. REID, Mgr., Delaware, Ohio
Vice-President Rhode Island Red Club.

Plane's S. C. White Leghorns

Have proven themselves worthy to be shown in any competition, customers all over the country getting the benefit of their careful breeding. Don't fail to get his prices and description of birds before purchasing elsewhere. Orders for exhibition receive the most careful attention. Score cards furnished if desired. Send for catalogue.

JOHN C. PLANE

BELVIDERE, ILLINOIS

Member National Single Comb White Leghorn Club.

MAKE YOUR POULTRY PAY.

It will not if you do not keep the lice down and feed a good wholesome, balanced ration. Our Triumph Lice Remedies and Poultry Foods will make it easy sailing. Write today for circulars.

ELMDALE FARM, C. L. DUFFIELD, Prop.

Room 11, Commercial Bldg., Marshalltown, Iowa

WHITE WYANDOTTES

The progressive poultryman never stops to consider the price when looking for stock which produces results—and which has the guarantee of a reputable farm back of it. Our Wyandottes are bred for size, correct shape and pure white plumage.

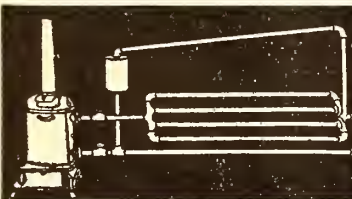
RESULTS AT 3 SHOWS. Milwaukee, Jan. 1904, 1st Pullet, 2nd Hen. St. Louis World's Fair, Oct. 1904, 2nd Cockerel. Chicago National Show, Jan. 23-28, 1905, 2nd and 4th Cockerels, 2nd Pullet, 2nd Pen.

SILVER MEDAL FOR BEST DISPLAY. Anyone can see that this strain is rapidly forcing its way to the front. Bred for Utility as well as for Exhibition. We have in the

S. C. WHITE LEGHORNS, 300 Cockerels for sale

Our birds are very large for this variety. We have not shown any of them, as the demand for stock was very large, but all of our pens were mated to noted males. We have concluded to reduce our Leghorns and devote more of our time to the Wyandottes, and prospective buyers can secure a bargain if they act promptly.

1000 HOMER PIGEONS mated for Squab breeding at 65c per pair. Do not wait. Place your order early. EMMA B. POULTRY FARM, D. BEIDLER, Proprietor, Box A, GURNEE, ILL.
S. E. LANE, Supt.,



Ripley's Poultry House Heater

Lasts for years. Made of cast iron and steel. Burns wood, coal and coke.

No. 200 Heater, Less Tank and Piping.....\$25.00.

No. 200 " With Expansion Tank..... 28.00.

Prices of piping quoted on application. Catalog free. Manufactured only by

RIPPLEY HARDWARE COMPANY, Box 11, CRAFTON, ILL.

Eastern Agts.—H. F. Mitchell Co., Philadelphia, Pa. Joseph Breck & Sons, Boston, Mass. Northern Agents—International Stock Food Co., Minneapolis, Minn.

THE TEST IS IN THE NEST

The real test of an egg-producing food is in the nest—that's the test we ask you to give

Harvey's Electric Poultry Food

Feed it to a few of your hens and notice results. It furnishes the elements necessary for egg-forming in a natural way; increases the profits from your hens in winter when eggs are high.

Cut Alfalfa Hay and Electric Poultry Food turn loss into profit. Our catalog is a handbook every poultry raiser needs. We send it free.

HARVEY SEED CO., 30 ELLICOTT STREET
BUFFALO, N. Y.

ILLINOIS STATE FAIR.

The poultry exhibit at the Illinois State Fair was a grand success—the first in history that there were no complaints. Mr. C. B. Blodgett, the able superintendent of Downer's Grove, was superintendent in charge of the poultry exhibit. He discharged his duties to the entire satisfaction of the exhibitors. Mr. Blodgett has been connected with the poultry department of the fair for the past twenty-seven years, and it is more to his hard work that the Illinois State Fair was the largest ever held in the United States.

The incubator manufacturers were well represented. Mr. M. A. Shoreen represented the Axford Incubator Company, of Chicago. He reports many sales; sold out his entire exhibit.

The Sure Hatch Incubator Company, of Indianapolis, Mr. Herman Seelig in charge, made as usual a creditable showing. Herman's pleasant countenance made many friends.

The Cyphers Incubator Company was represented by Mr. Charles E. Adair, the able incubator expert. He reports many large sales.

The Model incubator, manufactured by Charles A. Cyphers, was represented by the Chicago Poultry Supply House, Chicago, Ill., Fred Phillips in charge. He sold the entire exhibit; also twelve incubators to one man.

In the poultry department there were 2,876 entries, 500 more than the best previous year. In fact, they had to put some of them out in a tent. In quality they were good and all classes well represented. Judge D. T. Heimlich, Jacksonville, Ill., won in Barred Rocks 2d hen, 2d pen. U. R. Fishel, Hope, Ind., all prizes in White Rocks. Clement & Fike, all firsts, losing four out of possible fifteen in White Wyandottes. John A. Shaw, McKittrick, Mo., Silver Wyandottes, 2d cock, 3d hen, 1st, 2d, 3d cockerel, 2d pullet, 1st pen; also Buff Wyandottes, 2d hen, 3d cock; Buff Orpingtons, 1st hen, 2d cock, 3d pen. Rose Comb White Leghorns, J. A. Leland, Springfield, Ill., 3d pen, 1st and 3d cockerel, 3d pullet, 2d pen.

T. F. Potter, Downer's Grove, Ill., lectured to classes on his new discovery, How to select the laying hen from the non-laying hen. Such men as U. R. Fishel, Fred Schellabarger, D. T. Heimlich, W. C. Pierce, J. A. Bickerdike, J. A. Leland, A. G. Murray, president Illinois State Poultry Association; John Brinkama and others availed themselves of the opportunity to learn the "Potter System." The 200-egg hen is no longer a dream but a fact. Instead of sending the hen full of eggs to market you keep her, get the eggs out of her, and then it is plenty time to kill her. Mr. Potter is a member of the firm of T. F. Potter & Co., manufacturers of poultry house fixtures, and any one who has done business with him will testify to his honesty and integrity.

John A. Shaw, McKittrick, Mo., made some good winnings in Silver Wyandottes—2d cock, 3d hen, 1st, 2d, 3d cockerel, 2d pullet. These birds were the best in the show, but owing to the fact that they were too young and the older birds not quite through with their moulting they did not all get first money. His Buff Orpingtons are a grand lot of birds, winning 3d cock, 2d hen. In the Missouri State Show he won 1st, 2d hen, 1st pullet, 1st pen.



No Guessing

You know in advance what will come if the eggs are fertile when you use the self-regulating

Successful Incubators and Brooders

The machines for busy people and the inexperienced because they run themselves. That's the unqualified experience of thousands. The same under all conditions. 100 pens standard fowls. Incubator catalogue free. With poultry catalog 4 cents. Poultry paper one year 10 cents.

Des Moines Incubator Company,
Dept. 1,
Des Moines, Ia.



He also breeds White and Buff Wyandottes, Barred Rocks and Bronze turkeys.

John A. Dickerson, Rochester, Ill., had a large string of Barred Plymouth Rocks. He sold every one of them by Wednesday night. His birds are finely barred and good in shape. He has about 400 first-class birds for sale, for breeding or exhibition purposes. Write Mr. Dickerson for prices.

Glen Echo Poultry Farm Company, B. S. Hume, manager, French Village, Ill., made a fine showing. Their birds are all first class but were not quite through with their moult. The old-timers will hear from them during the winter shows. They report that they have a few exhibition and breeders for sale.

J. A. Bickerdike, "the trap-nest man," Millersville, Ill., captured the highest honors on trap-nests. His trap-nests are well constructed and work to perfection. They are also good for setting-hens. He made many sales during the past year, shipping them to nineteen different states. Ask him for free circular.

The Chicago Poultry Supply House made a very attractive display of Model incubators and brooders, manufactured by Charles A. Cyphers, and poultry supplies. The concession was in charge of F. J. Phillips, manager, and as usual it is useless for us to say he was hustling from early morning to late at night. He reports many large sales and a fine lookout for the coming season. The four blue ribbons which were offered for the best incubator, best brooder, best display and poultry supplies were won by the Chicago Poultry Supply House on Model incubator and brooder, manufactured by Charles A. Cyphers, of which they are western representative.

The White Wyandottes were well represented, 115 birds all told. The quality was better than ever. Clement & Fike, Libertyville, Ill., had twenty-three birds on exhibition. They won all the firsts, losing only four minor prizes out of a possible fifteen. Mr. Fike reports some large sales. He sold many birds at a good figure for the winter shows. He refused to trade one of his cock birds for a trotting horse.

Judge D. T. Heimlich, Jacksonville, Ill., made a creditable display in Barred and White Plymouth Rocks. Owing to the fact that the Judge had just returned from a three weeks' stay in Colorado, he could not prepare his birds as usual, yet he carried away some of the ribbons—2d hen and 2d pen—in the hottest competition ever known at any State fair. The four hens in pen were as near perfect in type, size and shape as can be found anywhere.

I. N. Barker & Son, Thorntown, Ind., breeders of Light Brahmas, made some great winnings this year at the Indiana and Illinois State Fairs. At Springfield they won 1st cock, seventeen birds in class; 1st and 2d hen, eighteen in class; 1st and 3d pullet, sixteen in class; 1st and 2d pen. Their birds are fine in hackle, back and tail, with nice black wings, which all breeders of Light Brahmas are looking for. Send for their free booklet, which is interesting and instructive, and if you buy stock and eggs from them you will be well treated.

J. BRINKAMA.

How Is Your Heart?

Is your pulse weak, too slow, too fast, or does it skip a beat?

Do you have shortness of breath, weak or hungry spells, fainting, smothering or choking spells, palpitation, fluttering, pains around the heart, in side and shoulder; or hurt when lying on left side?

If you have any of these symptoms your heart is weak or diseased, and cannot get better without assistance.

Dr. Miles' Heart Cure strengthens weak hearts, and rarely ever fails to cure heart disease. Try it, and see how quickly you will find relief.

"About January 1st, 1902, I took down with weakness and dropsy, and gradually grew worse. I was told by my family physician that my case was hopeless. My neighbors and family had given me up to die. My limbs and body were swollen to one-third larger than normal size, and water had collected around my heart. For at least three months I had to sit propped up in bed to keep from smothering. I sent for five bottles of Dr. Miles' Heart Cure, and by the time I had taken them all I was entirely cured. I feel better than I have for twenty years, and I am able to do any kind of work on my farm. My attending physician told me that if it hadn't been for Dr. Miles' Heart Cure I would now be in my grave."

L. T. CURD, Wilmore, Ky.

Dr. Miles' Heart Cure is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails he will refund your money.

Miles Medical Co., Elkhart, Ind

Standard Bred Wyandottes PRIZE WINNING Standard Bred Plymouth Rocks

STOCK

FOR SALE

West Michigan Poultry Farm
Bloomingdale, Mich.

TRY THE DANDY LINE

THE ONLY THROUGH LINE TO SUCCESS

"DANDY"

MEANS TROUBLES ELIMINATED.

36 STYLES INCUBATORS AND BROODERS,
16 STYLES COOPS AND HOUSES.
EVERYTHING FOR THE POULTRYMAN.

QUALITY RIGHT. PRICES RIGHT.
GOODS RIGHT OR MONEY BACK.

SEND TODAY FOR 1906 CATALOG FREE.

DANDY POULTRY NOVELTY CO.
DANVILLE, ILL.

For prices on exhibition coops write us.
DANDY POULTRY NOVELTY CO., : : DANVILLE, ILL.

Keeps Poultry Healthy Prevents Disease

VIGER'S

Crushed Charcoal

Chemically pure, keeps poultry strong, healthy and in good laying condition. Corrects wrong feeding. Not a drug, but Nature's own purifier. Coarse or fine granulated, also pulverized for soft feed. 50-lb. trial bag \$1.00; special price for quantities. Samples free. Viger's Coal & Wood Co., 434 20th St., Detroit, Mich.

ARE YOUR HENS LAZY?

Some of your "biddies" which strut about your poultry yard and which are not even paying their board, it would be a good plan to "axe," or make them quit their loafing. **Tonic Poultry Food** will make them get to work in double-quick time. They like it.

For fifteen to twenty fowls mix two tablespoonfuls with their feed every day—then watch their laying nests. They will lay regularly, rapidly and nearly double the output of eggs.

Tonic Poultry Food

practically costs you nothing. One extra egg a day will more than pay for a 25-cent package. It is vegetable and bone—is harmless. It contains blood-making, flesh-forming, bone-constructing and egg-building materials—it assists the hen's digestion. Makes her happier, more contented, and develops sweeter flesh; gets her ready for market quicker. Makes brighter combs and in every way improves the appearance and carriage of your fowls. Let us help you. Write us a letter, tell us your troubles. We have a 48-page booklet which is waiting for you. We send it free. Ask your dealer for **Tonic Stock Food**. If he hasn't it, send to us. Write us today addressing Dept. W, and get our beautiful souvenir calendar free. Agents wanted.

TONIC STOCK FOOD CO.
Elgin, Illinois

TONIC STOCK FOOD

HITS THE SPOT

Barred Ply. Rocks.

Bradley Bros. Strain. Nice, well bred, vigorous cockerels \$2 to \$3. Better ones \$5. Exceptionally fine exhibition birds \$10. F. F. WINSOR, Hollenberg, Kan.

COCHIN BANTAMS *Black, White and Buff.*

Seven first prizes at Madison Square, 1904.

DR. WILLIAM Y. FOX,

Taunton, Mass.

NOW IS THE TIME To begin making calculations on your poultry matters for the coming season. I am still in business with either birds or eggs of the Rose Comb Brown Leghorns, Barred Plymouth Rocks and Buff Orpingtons and Silver Laced Wyandottes. JAS. H. TROUGH, Minden, Neb.

Light Brahma Closing Out Sale

All of my breeders. Hens \$2 each, three for \$5. Barred Rock cockerels that are fine.

GEO. O. ANDERSON

R. R. 5, Rushville, Ind.

R. C. W. LEGHORNS.

Hundreds of breeders and young stock for sale before going into winter quarters. Catalogue free.

ROCKY RIVER POULTRY CO.

5931 Superior St., Chicago, Ill.

WHITE WYANDOTTE MALES

that will improve your flock.

THE K-G POULTRY YARDS

Circleville, Ohio

"Ringlet" Barred Rocks

A fine lot of birds, GRAND in color and barring. One judge said they were the best he had seen this season. They are certainly beauties. Satisfaction guaranteed.

ARTHUR R. PROBST

POMEROY, OHIO

A Wonderful Strain of Buff Cochins

None other possesses such perfect Cochins form, (that massive, globular type), such profuse, yet soft feathering, such color, such size. Bred in line for twelve years.

Parties wanting the best to be had, to win and breed winners, should send for our handsome free booklet and state wants.

H. N. HANCHETT,

Jackson, Michigan

TRAP NESTS

1900 Wellcome's "Ideal" Is King. 1905

Shows which hen laid the egg. Cost small—No freight. More eggs with less hens. "Ideal sense" in free circular. Write to

F. O. WELLCOME,
York St.,
Yarmouth, Maine.

THE IDEAL

Phoenix Poultry Plant

I am ready to offer you a bargain in the Phoenix Poultry Plant, our stock, good will and trade. Having sold our milling business here we must make a change. I will consider an exchange for a good mill property,

MRS. J. H. CREBAUGH
Batavia, Ohio

Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

WISCONSIN STATE POULTRY SHOW.

Arrangements have just been completed for the ninth annual exhibition of the Wisconsin State Poultry Association, to be held in Oshkosh from January 15 to 20, 1906. This will without doubt be Wisconsin's leading show, backed as it is by a generous State appropriation. In fact, it bids fair to be one of the leaders of the northwest.

Both of the judges selected have national reputations. Judge D. J. Lambert, of Apponaug, R. I., will handle the American classes as well as a few minor breeds. Judge Charles McClave, of New London, Ohio, will pass upon the Asiatics, Mediterraneans, bantams and waterfowl, besides some of the other varieties. With such men to score the birds there is every reason to believe that this will be the gathering place of hundreds of fanciers.

The prize list has been entirely revised, and it is now possible to win a \$5 first prize with a 35-cent entry fee. Fifteen silver cups will be offered for competition, besides numerous cash special prizes and a large number of specials donated by breeders, poultry supply houses and specialty clubs.

The large Company B Armory building has again been secured at great expense. Uniform coops will be furnished free by the association. We are prepared to care for 1,500 birds comfortably this season and every indication points to that number of entries.

Premium lists will be ready for mailing December 1. The secretary will be glad to send you one.

FRANK W. RADFORD, Secretary,
Oshkosh, Wis.

SHEBOYGAN, WIS.

The West Shore Fanciers' Association will hold its third annual show at Sheboygan, Wisconsin, Thanksgiving week. The preceding exhibitions have been more successful than its most enthusiastic members dreamed of: first year over 500 entries, second year nearly 700. The show this year will rank among the leaders in the northwest.

The show will be conducted in a business-like manner. Every exhibitor will be accorded every opportunity to show his birds to the best advantage. The Association counts itself fortunate in having secured Mr. James A. Tucker, of Concord, Mich., to judge the show. His well known ability and impartial fairness place him at the head of the list. Mr. Tucker was selected from over two hundred applicants as one of the twenty jurors at the World's Fair Poultry Show, an honor that attests his marked ability.

The Association has closed a contract for Concordia Hall. The hall is the most centrally located in the city, half a block from electric car line. Electricity and steam are used in lighting and

heating. Rooms for exhibitors are provided separate from secretary's office. The Association owns its own coops, which are free to exhibitors.

We feel that our inducements in the form of cash prizes, eight silver cups, and specials, are sufficient to warrant any one in making an exhibit with us (our entry fee is the low price of 25c for each bird), but more important than any of these are the added interest in you and the added business in your birds, which are sure to follow.

Judging will be done Monday and Tuesday; Wednesday, prizes awarded.

Show open to the public Wednesday, at 7 p. m. Cards will be in place, so that visitors can see the winners.

INDIANAPOLIS SHOW.

The first week in February will see in Tomlinson Hall one of the largest and finest displays of poultry held in America the coming show season. The cash prizes will be equal to any offered and every effort will be made to make this the greatest show Indianapolis ever presented for lovers of poultry. Theo. Hewes is the president of the Fanciers' Association of Indiana and E. A. Pierce is the secretary, to whom all communications for particulars may be addressed. The judges are selected with a view of pleasing the exhibitions of the different varieties. Don't fail to prepare for this show and for the sale of stock and eggs. No better opportunity is offered the breeders. The officers will in every way direct their best efforts to make it pleasant and remunerative for all exhibitors. Send your name to the secretary for a list to be sent as soon as issued.

E. A. PIERCE, Secretary.

"THE GREAT DETROIT SHOW."

The Michigan State Poultry & Pet Stock Association is now ready to announce their show dates as follows: January 27 to February 1, 1906. This association is one of the strongest of its kind ever organized in this city, having over 200 enthusiastic members, including the largest breeders in the State, and it is the earnest request of every member to make the coming show one of the largest and best shows ever held in Detroit, and on a par with such shows as New York and Chicago. We have secured the "Light Guard Armory," one of the largest and best equipped halls in the city, and all arrangements for uniform cooping have been let; the Association also has a reserve fund already in the hands of the treasurer and all exhibitors will be paid before the closing of the Show.

We also have secured the services of three most competent judges—Butterfield, Tucker and Bloss—which will assure all exhibitors a good score card.

This show will undoubtedly be the best event in the State and all breeders should make an effort to send a

large exhibit. Our list of specials, including many silver cups, will exceed all previous shows held in Detroit.

Write our secretary for premium list and particulars; all correspondence promptly answered.

The association is officered as follows:

Jacob Baumann, President; Geo. Renton, Secretary; S. D. Lapham, Treasurer.

MINNEAPOLIS, MINN.

The Minnesota State Poultry Association will hold their annual show January 23 to 30, 1906. The fancier and breeder that really wants to exhibit where show room attractions, commodious quarters and the best single cooping system is provided in American wants to begin to prepare to be with us on these dates. These things we can guarantee, beside the best judges procurable, and very liberal cash and special premiums, for which arrangements are completing whereby every obligation will be met in full before the close of the show. There are also twenty silver cups.

The poultry, pigeon, cat and lap-dog, as well as the great show of oriental and sportsman's varieties of game birds, will all be cooped under the superintendency of "genial" Ralph Whitney, whose experience assures the best of care with our perfect cooping system to every specimen entered.

The premium list will be ready for mailing by December 1 and full details will be furnished by the papers as completed, as every effort will be put forth to make this the leading poultry and pet stock show of America for 1906. Entries close January 15, 1906.

GEORGE A. LOTH, Secretary,
Minneapolis, Minn.

FORT WAYNE, IND.

The People's Poultry and Pet Stock Association of Allen County, incorporated last March, has now forty-five members, all breeders of fancy poultry, who are working hand in hand for the largest and best show ever held in Fort Wayne.

The judges, Orr, Ellison, Ewald and Mackie, are styled the "Big Four," and fanciers throughout this section are taking a greater interest on account of their connection with this show, which will be held December 11 to 16.

The dog department will be controlled by the rules of the American Kennel Club and promises to be a big feature.

Large regular cash prizes will be paid in addition to \$110 in gold as special prizes. Three silver cups, each valued at \$10, will be presented to the highest scoring fowl, pen and best display of pigeons. Several hundred dollars' worth of merchandise, offered by our friends and the business public, ranging in price from 50c to \$15, will be given as special prizes. The association guarantees the payment of all prizes.

There has never before been so much interest displayed in this locality. With its 100,000 people, Fort Wayne and Allen County, so admirably located, and its numerous railroads and interurban lines, assures a good attendance. One thousand admission tickets have been distributed among the members, who are using all their efforts to dispose of

them to their friends. An eighty-page premium list, with entry blanks, will be mailed to those who desire them; also any information regarding the show will be cheerfully answered by the secretary, Phil. A. Heller, Fort Wayne, Ind.

BUFF ORPINGTON CLUB.

The National Single Comb Orpington Club are now working on their first annual catalogue and expect to get out something in this line that for beauty and value have never been surpassed by any specialty club. They will publish the names and addresses of every member free of charge. If you are not already a member you had better join at once, as we expect to get the material for this book in the printer's hands early in December.

Club members only will be allowed to advertise in this book and we will publish free of charge any suitable half-tones of birds, buildings, etc; also articles pertaining to the Buffs or the management of fowls in general for club members only.

About twenty handsome silver cups will be offered at various poultry shows throughout the United States, the places and on what they will be offered will be announced in the December poultry journals.

The club has also decided to again offer their elegant silk trophies at every poultry show in America. All specials

offered by the club will be competed for by members only.

The club has nearly doubled their membership during the past month by offering a cut rate to all who join now and will continue this policy for a very short time. All interested parties should send for the club's latest literature, which will be sent by addressing the secretary, Will H. Schadt, Goshen, Ind.

WON MOST PRIZES OF THE SEASON.

F. W. Niesman & Co., of Freeport, Ill., have made the most winnings of the season. In the past eighteen months they have taken 3,785 prizes in their different varieties of land and water fowl at the different State and county fairs. In Springfield, Ill., they captured more prizes than any other breeder, having 235 birds on exhibition. They sell their stock reasonable. Do not forget to send for their large poultry book, which is 10 cents, to cover postage.

"Nothing but the 'Mandy' Lee for me in the future," says W. A. Larkins, of Larkins, Fla. Best for him—best for you. Catalog free. George H. Lee Co., Omaha, Nebr.

Don't overlook our offer of fifty dollars in cash prizes for articles in this issue.

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Early choice breeding and exhibition Barred Plymouth Rocks from the grandest hen in the world. Also from her daughters, sisters and sons. If you want size, shape, grand plumage, healthy, vigorous birds, and the best laying strain in the world, try some of these which have been raised on a 300-acre farm. Motto: Pleased customers or money refunded. Choice Barred Ply. Rocks, Mammoth Bronze Turkeys, Pekin Ducks and Registered Scotch Collie Dogs for sale. Write your wants early to

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of every description. Prairie State, Empire State and Star Incubators and Brooders Drinking Fountains, Wire Netting, Spray Pumps, White Washing Machines Powder and Liquid Lice Killers, Itoup and Cholera Cures, Condition Powders, Egg Foods, Oyster Shells, Beef Scraps, Dog Cakes and Medicines, and everything necessary for breeding poultry and pet stock. Our immense illustrated catalogue gives complete list. It is free; send for one.

Excelsior Wire & Poultry Supply Co., Dept. O, W. V. Russ, Prop., 26 & 28 Vesey St., N. Y. City

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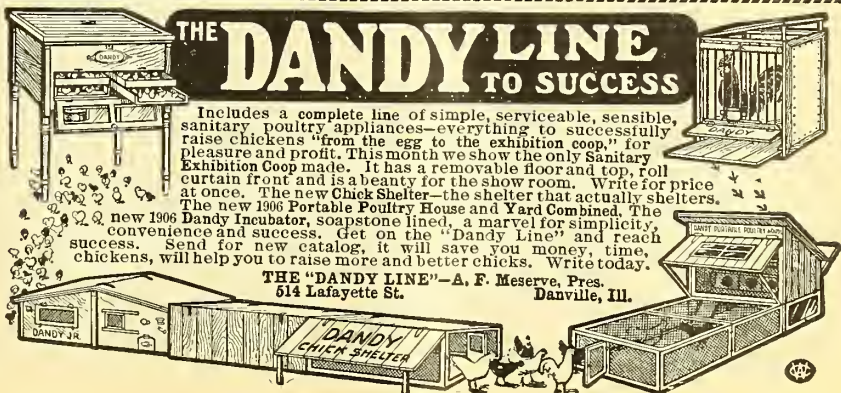
Our new 84-page book for 1905 tells how to make it; also how to breed, feed, grow and market your poultry for best results. This book probably gives more reliable information about the poultry business, obtained from actual experience on the largest farm in America devoted exclusively to the rearing of pure-bred poultry, than any other book published. Describes and illustrates 25 varieties of our pure-bred fowls. Quotes extremely low prices on stock, eggs, incubators and brooders. Mailed for 4c in stamps.

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Specialty breeder of **Black Breasted Red Games**.
The exhibition kind of finest quality. Write me for prices.
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I have spent years in developing just two breeds—my favorites, **BARRED AND WHITE ROCKS**. Finely pointed birds of all ages and guaranteed fertile eggs at living prices. I solicit a trial order.

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Bred to standard and for egg production. Stock and eggs for sale in season.

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...GLENWOOD POULTRY FARM...

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Geo. P. Hartman & Son, Box D 193, Freeport, Ill.

SOMETHING NEW**STRATHMANN'S POULTRY YARD SEEDER**

To Distribute Grain and Seeds For Scratching Fowls

A machine any one that keeps a dozen chickens ought to have. The extra profits of same will pay for seeder in one year. Its weight is 30 lbs., sows two rows 10 in. apart and cultivates your ground. Will do what all poultrymen and journal's say, keep your chickens scratching. Our seeder has proved itself a winner at the Chicago poultry show by having a larger attraction than any other exhibit. Simple, durable and practical; can't get out of order. Any boy or girl can operate it. Send for circular.
Strathmann Mfg. Co., 140 E. Fullerton Ave., Chicago, Ill

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And Imported Black Leghorns, Pyle Leghorns, and Silver Duckwing Leghorns

Are World Renowned. World's Fair, Madison Square Garden, N. Y. State Fair, Trenton, Inter-State Fair, Hagerstown Prize winners, 59 regular prizes on sixty entries at Trenton, including 31 firsts, October, 1905. Prize winning birds at reasonable prices. Catalogue and mating list free. In writing tell what you want and mention this paper.

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Box 106 C. Ithaca, N. Y., U. S. A.

THE CHICAGO SHOW.

The Tenth Annual Show of the National Fanciers' and Breeders' Association will be held in the Chicago Coliseum, January 22 to 27, inclusive, 1906. Mr. E. B. Eddy is president; Mr. E. J. W. Dietz, vice-president; Mr. George G. Bates, treasurer, and Fred L. Kimmey, secretary.

The active work of the enterprise has been delegated to committees, as follows: Mr. Dietz, Mr. Kline and Mr. Hill, finance; Mr. White, Mr. Bates, Mr. Muir and Mr. Wagner, judges and specialty clubs; Mr. Muir, Mr. Draper and Mr. Wickey, premiums; Mr. Morse, Mr. Eddy and Mr. Kline, advertising; Mr. Kimmey, Mr. White and Mr. Eddy, concessions, and Mr. Wickey, Mr. Dietz, Mr. Muir and Mr. Wagner, protests.

All communications regarding matters pertaining to the show should be addressed to the secretary.

FRED L. KIMMEY, Secretary.
Room 500, 325 Dearborn Street, Chicago, Ill.

CHICAGO, ILL.

The third annual exhibition of the Chicago Poultry and Pet Stock Association will be held January 8-13, 1906. A long list of competent judges will place the awards. Premium lists ready December 15. **C. A. Damon, Secretary.**

OWENSBORO, KY.

The Owensboro Fanciers' Association will hold their annual show December 4-9, 1905. **W. C. Pierce, judge.** **D. O'C. Daugherty, secretary,** Owensboro, Ky.

MT. STERLING, ILL.

The Western Illinois Poultry Association will hold their first annual show November 29-December 2, 1905. **D. T. Heimlich, judge.** Write for catalogue to **Eugene Hambaugh, secretary,** Mount Sterling, Ill.

SCHENECTADY, N. Y.

The Electric City Poultry and Pet Stock Association will hold their annual show January 30-February 3, 1906. **I. L. Whitmyer, secretary.**

ELGIN, ILL.

The seventh annual exhibition of the Elgin Poultry Association will be held January 1-6, 1906. **Charles McClave, judge.** **M. E. Meredith, secretary.** Every effort is put forth to make this the best show ever held in Elgin. Write the secretary for any information desired.

EASTHAMPTON, MASS.

The Easthampton Club will hold a poultry show December 14-15. **E. W. Wood, assistant secretary.**

WHEELING, W. VA.

Some very energetic fanciers, including **A. B. Butler, secretary,** are working very actively to form a tri-state poultry association, with headquarters at Wheeling. It has the endorsement of **Jefferson D. Rice, superintendent** of the State Fair Poultry Department, another well known poultryman. This is a valuable field for the poultry business

and we have no doubt that the influence of this association will be widely felt and be of great value to the State. The management is actively working to secure exhibits from the foremost poultry raisers of the United States, and they propose to make this a great show.

DALLAS, TEX.

The North Texas Poultry Association will hold their annual show January 9-12, 1906. **C. M. Knebel, Loring Brown and Will Purdy, judges.** **Elbert Beeman, secretary,** Dallas, Tex.

DOWNER'S GROVE, ILL.

The Downer's Grove Poultry Club will hold their second annual show December 15-16, 1905. **J. F. Harral, E. J. W. Dietz and George M. Kline, judges.** **George M. Kline, secretary,** Downer's Grove, Ill.

MCCUNE, KAN.

The McCune Poultry and Pet Stock Association will hold their first annual show December 13-16, 1905. **John S. Hughes, judge.** **H. I. Dolson, secretary.**

NATIONAL ROSE COMB WHITE LEGHORN CLUB.

All communications for this club should be addressed to the secretary, **Mrs. F. J. Phillips, 5929 Superior st., Chicago, Ill.**

YOUNG AMERICA, IND.

The Young America Poultry and Pet Stock Association will hold their first annual show December 26-30, 1905. **A. D. Wood, secretary.**

DETROIT, MICH.

The Detroit Fanciers' Association will hold their first annual show January 6-12, 1906. **Frank Heck and James A. Tucker, judges.** **John R. Wood, acting secretary,** 73 Larned street, East.

SHEBOYGAN, WIS.

The West Shore Fanciers' Association will hold their annual show November 27-December 2, 1905. **A. H. McIntire, secretary.**

KANKAKEE, ILL.

The fifth annual exhibition of the Kankakee Poultry and Pet Stock Association will be held January 29-February 3, 1906. **Sharp Butterfield, judge.** **E. P. Vining, secretary.**

CARLISLE, PA.

The second annual exhibition of the Cumberland County Fanciers' Association will be held December 5-9, 1905. Competition open to the world. **George G. Hoffman, 52 W. Louthier street, Carlisle, Pa.**

Write Us About Fence

We manufacture 26 styles of fence, for poultry, farm, park and other purposes. We sell direct to farmers **30 Days' Free Trial** giving. It will pay you to write for prices and our **FREE FENCE BOOK**. Tells why Advance Fence is strong, durable and up-to-date. You save the dealers' profit in dealing with us. Just remember that when you need fence.
ADVANCE FENCE CO., 1851 Old St., Peoria, Ill.

WHITE LANGSHAN CLUB.

Watch for our date of meeting. Join our club and help us place the White Langshans where they belong. We want the assistance of every White Langshan breeder. You will be well repaid for your efforts when you see the popularity we can give the breed, but we need your aid. Write for information. A. H. ASCHE, Secretary.

Princeton, Ill.

WHITE WYANDOTTE CLUB CATALOGUE.

The annual catalogue of the National White Wyandotte Club for 1906 is now ready for mailing and a copy should be in the hands of every person interested in White Wyandottes or who is about to start with poultry. The catalogue contains much valuable information about the breed and a copy may be secured free by writing the secretary, Ross C. H. Hallock, St. Louis, Mo.

MINORCA CLUB MEETING AT MADISON SQUARE GARDEN.

In a vote for judge of Black Minorcas at Madison Square Garden, taken by the American Black Minorca Club, Geo. H. Northup is elected by a majority of fifteen over the combined number of votes for the four other candidates.

The indications are that the next annual meeting, which is to be held at Madison Square Garden, New York, show, will be one of the best since the club was organized. We expect a large exhibit and a liberal donation of specials from our members, to be competed for at New York.

H. C. WHEELER, Secretary.

BLUE ANDALUSIAN CLUB.

In our list of specialty clubs, published in the September issue, through an oversight the Blue Andalusian Club of America was left out. Mr. E. L. C. Morse, 9009 Escanaba avenue, Chicago, Ill., is secretary of this club and will be pleased to give any information desired.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: The display of poultry at the Ringgold County Fair during the first week in September, which I was called to judge, was a very creditable showing of birds, the Barred Plymouth Rock and White Plymouth Rock leading in both numbers and quality. I have judged the poultry at this fair for five or six years in succession, and I think this year the numbers were greater than ever before and the quality much better. Many excellent birds were on exhibition. A number of the specimens were as good as were shown at our Iowa State Fair. The breeders of fine poultry and the farmers, especially the farmers' wives, are taking more interest in poultry than ever before. The old hen is ahead of the cow and the sow when it comes down to dollars and cents. If you do not believe it, invest \$35 in a cow and \$35 in good, young hens; take good care of both and see if I am not correct.

T. A. STEVENSON.

Shannon City, Iowa.

The Jackson (Mich.) Poultry and Pet Stock Association is enthusiastic over the prospects of a good show to be held December 5, 6 and 7, 1905.

This being the first exhibition of the season in Michigan, poultry fanciers all over Michigan and some from Ohio and Indiana have promised to enter birds to compete for the various ribbons. Frank W. Travis will judge the show.

Among the exhibitors at Portland from a distance was Henry Steinmesch, St. Louis, Mo., the well known breeder of Silver Laced Wyandottes. In addition to the Silver Laced Wyandottes, Mr. Steinmesch showed some Goldens, Silver Penciled and Columbians, winning 14 prizes out of a possible 17. This after the birds traveled nearly 2,500 miles. Mr. Steinmesch is a fancier who year in and year out maintains the position as one of the foremost fanciers in the country.

U. R. Fishel, Hope, Ind., the famous White Plymouth Rock breeder, exhibited a fine string of birds at the Illinois State Fair. In his flock he showed the cock who captured the blue ribbon at the World's Fair, St. Louis, last year. He won all prizes, including the sweepstake for best American, which is the most coveted prize. To the person who is a true fancier these White Plymouth Rocks must appeal. His birds are the pure white kind, which all breeders are looking for.

A NEW POULTRY BOOK.

Especially Written and Designed for the Beginners—Sent on Approval.

The book treats at length on the great profits in poultry culture, citing many cases where splendid incomes have been made from this fascinating business. It is a well established fact that there is big money in poultry culture. There are thousands of men and women who are earning princely incomes from it, while there are many more thousands who are making a snug little income every year conducting it as a side issue. To make from \$100 to \$1,000 clear profit every year, just in the spare moments, is no small matter with most people. And yet there are thousands who are doing this very thing raising poultry, and this same thing can easily be accomplished by anybody who will conduct it in an intelligent manner. It is just for this latter class that this book has been designed and by following its simple instructions success will be sure and the profits large.

SENT ON APPROVAL.

We want every beginner to read his book and we are willing to send it free on ten days' approval to every man, woman or boy interested who will take the trouble to write to us for it. In order to assist our readers to get this book on approval we print the following coupon, and advise our novice friends to fill it out, cut off, and send it today: Congress Park Poultry Yards, Congress Park, Ill.

Enclosed find 4c in stamps for which please send me on approval, your new book, "Successful Poultry Culture for Pleasure and Profit." If I want the book I agree to send you 50c for it. If I don't want it, I agree to return it to you within 10 days.

Name
Town
State

Poultry Pointers

Tells how to feed chicks and all fowls, also use of beef scraps, bone, etc. Its free. Write for it. Alfalfa Meal Co. 1632 Farnam St., Omaha, Neb.

Silver Wyandottes

Two big Chicago shows—eight first prizes. Stock to spare at right prices. Eggs for hatching. Write for particulars.

W. H. MILLARD,

Genoa, Ill.

White Wyandottes

Dnston's breeding and exhibition birds of high quality, farm raised and bred in line from prize winners. While they did not get every ribbon at the great World's Fair, they were among the best of hundreds that went home without prizes. If you want good birds to start you right at reasonable price, I can supply you in young and old in lots to suit.

G. H. SUNDERMAN,

Beardstown, Ill

Mrs. Hill's W. Langshans

won more premiums at World's Fair, St. Louis, Mo., than all the other White Langshan breeders combined. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight.

Mrs. J. S. Hill

Purdin, Mo.

Premium Stock Poultry Yards**Fertile EGGS 15 for \$1**

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

A. STARZINGER, Prop.

Carbondale, Ill

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Breeders of the world renowned "Ringlet" strain Blue Barred Rocks. 600 grand youngsters that in quality can be equaled by few, and at prices that are positively lower than others. Illustrated catalogue free.

OMRO, WISCONSIN

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My Strain of Barred P. Rocks

are direct Bradley Bros. Sir Bradley, Winner, and Best Brother, all direct descendants of first prize birds at New York and Boston, and direct from Bradley Bros., headed my pens for 1904-5. Cockerels for sale. White Wyandottes, direct Hawkins. Cockerels only. Bronze Turkeys from extra choice matings. Write

MRS. A. J. COLVIN,

R. R. 1, Pearl, Illinois.

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...ON...

White Wyandottes

Jackson and Promoter Strains direct. Choice cockerels from our best matings \$3 to \$10 each. Satisfaction guaranteed.

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J. R. HUDSON, HARDIN SPRINGS, KY.

We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.

EGGS \$1 PER SETTING We are breeders of Barred and Buff Rocks, Silver Spangled Hamburg and R. C. B. Leghorns. Write us you want. We also breed Homing Pigeons. Try "Fly's Egg Producer" 5 lb. pkg. 50c. Mrs. E. B. Fly, prop., Edw. I. W. Fly, Mgr. Clear View Poultry Yards, Chalfont, Pa.



NEW POULTRY CUTS For 1905 we have many new illustrations of pairs, trios and single birds. Our new catalogue shows all. Send for it today. I also breed B. P. Rocks—Eggs for sale. Chas. L. Stiles, 921 Mohawk St., Columbus, O.

Barred Rocks, 1904,

Michigan State Fair, 1st, 2d clks., 1st ck., 2d hen. Pontiac, Mich., 5 lbs, 3 2ds, 2 3ds. Grand Rapids State Show, 1st ck., 4th hen, 2d pen. Pontiac, Mich., 4 lbs, 3 2ds, 2 3ds, 3 4ths. Prize winners in breeding pen. Eggs in season. B. G. WESTFALL, Oak Grove, Mich.

White Leghorn Cockerels For Sale

226 egg strain, trap nests, \$1, \$2, \$3 each; Wyckhoff, Blanchard, Mason, Waterville, N. Y. strains. No calls. Out Clover 80 cents per 100 lbs. G. H. KINZEL, Glen Lee Poultry Farm, Winchester, Va.

SHOEMAKER'S BOOK on POULTRY



and almanac for 1905, contains 240 pages, with many fine colored plates of fowls true to life. It tells all about chickens, their care, diseases and remedies. All about INCUBATORS and how to operate them. All about poultry houses and how to build them. It's really an encyclopedia of chicken-dom. You need it. Price only 15c.

C. C. SHOEMAKER, Box 1210, FREEPORT, ILL.

Ideal Aluminum

LEG BANDS



are the acknowledged leaders. Firmest and most secure lock. Quickly put on and guaranteed to stay on. Price, post-paid, 12 for 15c; 25-30c; 50-50c; 100-75c. All supply dealers.

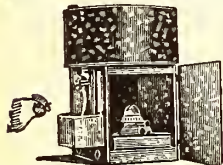
sell them. Sample band and B. P. Rock circular sent for 2c stamp. Frank Myers, Mgr., Box 40, Freeport, Ill.

DANDY NON FREEZING FOUNT

\$2 DELIVERED. Holds 1 gal., brass lamp, keeps water tepid—cannot get too hot—takes chill from house, prevents frosted combs. To get eggs in winter furnish your fowls warm water. Sent free anywhere in U. S. for \$2. Write. The "Dandy Line"—A. F. Meserve, Pres. 514 Lafayette St. Danville, Ill.



HOT AND COLD WATER CHICKEN FOUNTAINS



Saves time and labor, supplies fowls with pure, fresh, cool water the year round, keeps your hen house warm in cold weather and makes the hens lay. Booklet, price list and testimonials free.

Automatic Hatching Co., Northville, Mich.

\$100 POULTRY PRIZES

COMMERCIAL POULTRY is offering \$100 in prizes for the best articles on the subject, "Getting Eggs in Winter." This interesting contest should interest every poultryman. Anyone can enter who desires—no conditions whatever, only articles must not exceed 1,500 words. Send for a free copy of COMMERCIAL POULTRY containing further information. Commercial Poultry, 63 Washington St., Chicago, Ill.

EGG TESTER

Every poultryman **FREE** have a reliable egg and farmer should have a reliable egg tester. It will prove a time and money saver the year round. The Gem Egg Tester will tell you in less than half a second whether the egg is fresh, stale or bad. Can be used daytime or night. In testing out infertile eggs it is invaluable. **FREE OFFER:** Send us 10 cents (stamps or silver) to pay for three copies of Commercial Poultry (different issues) and we will send you at once postpaid, a Gem Egg Tester. Write today. Commercial Poultry, 63 Washington St., Dept. 22, Chicago.



DEGRAFF'S POULTRY FARM
AMSTERDAM, N.Y.



STOCK & EGGS FOR SALE
PLEASE SEND FOR MY CATALOGUE
BEST RHODE ISLAND REDS IN AMERICA
WHITE LEGHORNS & BLACK MINORCAS

BEFORE THEY BEGIN TO KNOCK THE STANDARD.

In all probability before long the readers of poultry papers will be regaled with the various defects of the new Standard, but before the knockers get in their work I desire to say a good word for that entertaining book.

What pleases me most in the new Standard is the emphasis it lays on weight and shape, and the good sense it shows in urging fanciers not to breed for color alone.

Let us consider what it says regarding weight. It says, like the old Standard: Deduct two points per pound for underweight; but it also says, which the old Standard never did, when specimens are equal in score, the prize shall be awarded to the specimen approaching nearest to Standard weight. It also says regarding American classes, that excess of weight over Standard weights shall be punished for over-weight of more than one pound.

In my opinion this change is the most important move made in poultrydom for many years. The old Standard practically encouraged breeding for over-weight. Indeed I remember seeing not long ago an advertisement in a poultry paper in which the breeder boasted that all his birds were several pounds over weight! He considered that fact a great

that it shall gradually soak into his mind.

The young breeder and the old breeder ought to think this over, ponder on it and weigh it in his mind.

It means a complete change in ideals of chicken breeding. In the old times the two things to be striven for were color and big weight and size. The bigger the bird the better the bird. If you had the right color never mind the shape. The result has been that in Mediterranean breeds (with which I am most familiar) you would see big, awkward, lumbering brutes in feathers presented to the public at shows as typical specimens. This was distinctly a harm to the poultry interests.

With the new Standard we shall have due and proper regard paid to shape and size. There is no longer any inducement to breed birds above Standard weights—in fact such over-weight is a distinct defect. More attention will be paid to shape and symmetry. Color, as always, will be important, but not the pre-eminent thing it always has been.

All these changes will take time to effect; old-fashioned judges will go on as usual, and there will have to be some quarrels before they accustom themselves to the new order of things, but it will come in time.

Let us give the new Standard credit for this long-needed reversal of old ideals.

E. L. C. MORSE.

TWENTY YEARS.

Twenty years is but a very short time in the world's time, yet to a person it seems long, especially if he is in jail or has the toothache.

As I look back and consider what has been accomplished in the twenty years since I have taken an interest in poultry it seems truly, by what has been done, a long time.

I was just about able to vote when I contracted with my father to take charge of the poultry and raise some broilers and eggs in the winter. We had a minister friend who was doing well on a small scale with an incubator and brooders. His was a 720-egg machine. The eggs were put up against a rubber cloth; a stove was used to heat the water. They did not become popular for some reason. I suppose the rubber would leak too easily for one thing and they cost too much money for large sales.

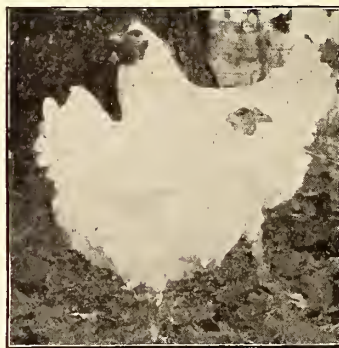
A machine that had quite a run at that time was the Eureka, invented by Mr. Campbell. It was a double-decker and although you seldom did well with both trays, taking the hatches as a whole they did well.

It had a clock on to turn the eggs every six hours, although you could buy a machine without one. Price with clock \$75.

About 1885 a man in West Chester bought one, but could do nothing with it. A friend of mine bought it and the first trial had about 150 chicks.

He was an expert with a machine, but would fail when he tried to raise them with brooders. His fault was in feeding. He at one time with a later machine hatched 101 chicks out of 100 fertile eggs. He had a double egg and by watching and helping at the right time he got the two out and they were alive and separate.

In 1884 there was a machine called the Keystone given first prize at the Philadelphia State Fair. It was three trays



PAIR WHITE WYANDOTTES.

Hatched March 17; photographed August 26; Combined Weight, 10 Pounds. Bred by J. B. Bennett, Ringwood, Ill.

point in their favor. In discussing chickens with intelligent breeders in the past I have often noticed the same idea, that over-weight was a great desideratum. All this has been changed now. Any man that breeds now for size merely will find his birds outclassed henceforth. The aim of breeding now is to come as close to Standard weights as possible. In other words, when the Standard says 10 pounds it means 10 pounds and not 12 or 15 pounds. Not many years ago at Chicago a breeder exhibited a monstrous bird, away over Standard weights, and was proud of that fact. A good many breeders seemed to think such breeding was to be encouraged. Such a bird now would probably be regarded merely as a freak, to be classed with a bird without toes or without tail or wattles—a curiosity for the idle and ignorant.

In speaking of shape the new Standard says: Judges must compare each and every section of the specimen and not allow color alone to influence their decision, the vital importance of typical shape to be borne constantly in mind. Every judge in every show for years to come ought to paste this in his hat and hang it over his bed at night, so

high and had four copper tanks, six inches apart. The lower one had a tight door and was closed all around, while the others were open and a case over all. I bought one and although I hatched hundreds in it, it was a failure as planned. It would hold the heat well by the use of mercury and ether, but the tubes were so small the circulation would change and then it would change the temperature. I paid \$58 for it.

The Monarch was made at this time, too, and was regulated by the expansion of the water and was a very good machine for the time, but none compares with our present machines in regulation or ventilation. Regulation I place as the most important of the whole machine, with ventilation next.

What a change and growth in the poultry papers! The invention of photographic engraving has added to our enjoyment and to the looks of the papers more than anything else, and the great interest has added many subscribers, which gives a paper more money to put out a good one.

The *Bulletin*, *Monthly*, *American Poultry Journal* and the *Poultry-Keeper* were the main papers. The *Poultry World* was one of the first lights then and how we did read it. As it came my way first it has always seemed like a first love.

The price of all those papers was \$1 per year. As you may guess, the combined circulation would not make much more than a good big circulation now. Cutting the price to fifty cents was a great thing for the subscription list, for it is easier to get four subs at fifty cents than two at one dollar.

Twenty years ago the Barred Rocks had been boomed and the Silver Wyandottes were just having their boom. We would almost wonder what a show was composed of in the way of breeds.

My father had gotten some pure Barred Rock eggs and raised a small flock. He let a local fancier have them all at one dollar each. I thought that was twice the profit had they been marketed, and when I took up the matter I determined to raise the pure breeds, as I saw at once more could be made from the same labor.

Another thing I like about the pure bred business is the social part. Poultrymen are a social lot, and many of them are of the salt of the earth, with some spoiled salt thrown in. The gathering in the show room is looked forward to with pleasure, unless you let your best nature all go to making dollars out of prizes.

At that time there were but two breeders near me, where now they are by the dozen. I had no help to start by example, as nearly all have now. A poultry man will help a new one to start, even if he will be a rival. At one time a rival bought three rose comb cockerels to beat me at Reading and asked me to look them over and tell him the poor points. I did, and did it honestly, but I had the first four winners in the class without buying.

One of the two neighbors was an old breeder, who bred Rocks, Cochins, Silver Wyandottes and Langshans. He spent the amazing sum of two dollars a year advertising one year and sold sixty dollars from it, yet he could not make it pay. I saw the possibilities of the business and stuck to it until I knew it and was known in the fancy, but I went slowly and made my living from the market end as I went along.

I have found the demand increasing each year. When I made known my plans to breed thoroughbred poultry as a business my father and the old fancier told me the demand would not continue, as it would not be long until all had them and there would be none to buy. I often think of it when I get good big orders. The old man is dead now for some years, but before he died I was doing a good business and would show him the mail. He would say: "How do you get them?" One thing he could do, that was grow the birds to perfection in size and condition. He would excel us all in the attention to every little detail in attending to the stock and their quarters. The business part was lacking, which is very essential in the selling of the product.

Poultry shows had been held for a number of years, but there is now as many held in one year as there was in many years then. There was none near me and the first show I saw was at Philadelphia in 1892, although one was held the year before, but I did not get down. From 1891 there has been shows in all the towns around us.

THE FUTURE.

I fully believe in the future, and if the world stands I am sure the demand will increase. There are two sources that bring customers. One is from the ranks of people who have been keeping mixed stock and from those who start homes. This class is no small per cent.

If we who sell are honest and help others it will greatly help the business, for it is one that depends wholly on faith in mankind. If a beginner is deceived it will often put him out of the business, and to be honest and helpful is the only way to do business for the good of the seller, too. W. W. KULP.

Pottstown, Pa.

ACKLEY & PAGE WILL NOT EXHIBIT THIS SEASON.

Ackley & Page, Woodstock, Ill., the Buff Wyandotte breeders, will not exhibit this season, but will give their time to preparing their stock for sale and fitting birds for the show room. They will condition a large number of show birds, in order to supply specimens to purchasers fit to win anywhere. They enthusiastically report that this season their stock is simply "out of sight," and they have a lot of it.

The buildings of the White Leghorn Poultry Yards Company, Waterville, N. Y., have just received two coats of paint and the painting of a plant of such size takes considerable time, ten men having been employed for three weeks. If any of our readers happen to be in the neighborhood of Waterville they will be well repaid for a visit to this plant, which is the most up to date in the country.

Dr. William Y. Fox, of Taunton, Mass., the Black, White and Buff Cochins Bantam breeder, writes that he will be unable to exhibit this winter and is, therefore, offering some very choice show birds for sale.

I. N. Barker & Son, Thorntown, Ind., have reason to be proud of their record on Light Brahmas this year. At the Ohio State Fair they only exhibited six birds, two hens, two cockerels and two pullets, and won 1st hen, 1st and 2nd cockerel, 2nd pullet and 1st pen. At the Indiana State Fair they won 1st cock, 1st and 3rd hen, 1st cockerel and 1st and 3rd pen; and at the Illinois State Fair they made a clean sweep of every first prize, besides 1st, 2nd and 3rd hens in a class of thirty-five. At four winter shows in January and February, 1905, they won fifty-eight prizes. This included the Ohio and Indiana state shows. At ten shows and fairs of 1905 they have won 1st breeding pen every time.

HOGLE'S COMPOUND

SPONGIA TABLETS

Prepared especially for the prevention and cure of
ROUP

The Most Effective and Easily administered Remedy.

A combination of several homeopathic remedies calculated as a whole to effect cures of the different forms of Roup, each one of the remedies contained in the Tablets affecting one or more of the different forms, and none of them conflicting with the others. Thus the Tablets as a whole can be used with beneficial effect on any case of roup that has not reached a stage that is incurable. 35c. per box postpaid; 3 boxes, \$1. Liberal discount to agents and supply dealers.

1029 Benson Ave.

Evanston, Illinois.

GRITLESS POULTRY FEED

Colorado Alfalfa Meal (the best)	per 100 lbs.	\$1.15
Premium Scratching Feed	per 100 lbs.	1.25
Premium Hen Feed (no grit)	per 100 lbs.	1.25
Premium Laying Feed	per 100 lbs.	1.25
Premium Chick Feed	per 100 lbs.	1.35
Premium Forcing Mash Feed	per 100 lbs.	1.25
Premium Pigeon Feed	per 100 lbs.	1.50
Premium Alfalfa Mash	per 100 lbs.	1.25
Premium Molting Feed	per 100 lbs.	1.25
Premium Plain Mash	per 100 lbs.	1.25
Premium Beef Mash	per 100 lbs.	1.50
Premium Morning Mash	per 100 lbs.	1.25
Premium Canadian Peas	per Bushel	1.50
Premium Sun Flower Seed	per 100 lbs.	3.50
Premium Granulated Charcoal	per 100 lbs.	1.50
Premium Granulated Bone	per 100 lbs.	1.65
Premium Beef Scraps	per 100 lbs.	2.15
Premium Cracked Corn	per 100 lbs.	1.25
Premium Wheat Bran	per 100 lbs.	.85
Premium Cow Feed	per 100 lbs.	1.25
Premium Horse Feed	per 100 lbs.	1.25
Premium White Kafir Corn	per 100 lbs.	1.15
Premium Millet Seed	per 100 lbs.	1.35
Premium Chicken Wheat	per bushel	.85

W. F. CHAMBERLAIN

314-316 N. COMMERCIAL ST.

CASH WITH ORDER ST. LOUIS, MO

INTEREST--WONDER--ENTHUSIASM

When *Farm-Poultry*, the great National poultry publication, began its systematic course of "FIRST LESSONS IN POULTRY KEEPING," poultrymen were interested. Immediately they wondered why the plan had not been put into operation long before, and now every one is enthusiastically singing the praises of this innovation, which, for a very small sum, gives better value than can be secured from a high-priced correspondence course. And so it was when we began to publish show winnings in full, entirely disregarding whether a prize-winner was our advertiser or not, because we felt that readers were entitled to all the news—not only a portion of it. For sixteen years *Farm-Poultry* has been giving its readers the best writings obtainable, intensely interesting—timely,—practical—profitable information on incubating, housing, feeding, raising, breeding, marketing and exhibiting poultry. *Farm-Poultry* is issued twice a month—1st and 15th—and costs 50 cents a year, but for a limited period we are making a

SPECIAL OFFER

of *Farm-Poultry*, *American Poultry Journal* and *Reliable Poultry Journal*, all three papers one full year for only one dollar.

These Eastern and Western giants of poultrydom will keep you in touch with conditions and happenings in their respective territories as no other combination could possibly do. Sample copy free. Send all orders and remittances to

FARM-POULTRY PUBLISHING CO.

BOSTON, MASS.

U. R. Fishel, of Hope, Ind., won at the Illinois State Fair, Springfield, Ill., September 30 to October 7, 1905, on White Plymouth Rocks as follows: 1st, 2nd, 3rd cock; 1st, 2nd, 3rd hen; 1st, 2nd, 3rd cockerel; 1st, 2nd, 3rd pullet and 1st, 2nd, 3rd pen, and special prize for best hen in the American class, all Rocks, Wyandottes, Reds and Orpingtons competing. Mr. Fishel won the above prizes on his exhibit of thirty-eight birds, in a remarkably strong class of birds.

TOO LATE TO CLASSIFY.

MEISELBACH WHITE MINORCAS. Having purchased the entire stock of Dunne's celebrated strain, can quote on young and old of the highest quality. Harry C. Meiselbach, Melrose Park, Ill. 11-3

EIGHT VARIETIES OF POLISH, Houdans, and Black Leghorns. L. Fachinan, Lindsey, Ohio. 11-1

MANMOTH BLACK TURKEYS, first winners at Herald Square, 1904; first at Hagerstown, 1905. B. F. Jones, South Moutrose, Pa. 11-1

BUFF ORPINGTONS—Stock for sale from prize winners. Pens headed by imported cock. Write for circular. Fred E. Wright, 64 West Side, Monmouth, Ill. 10-3

BARGAINS—Write today for our special list, all varieties, Wyandottes, Javas, Cochins, Leghorns, Langsbans, Brahmas, Polish, Hamburgs and all Game and Ornamental Bantams. Prices cut to one-half value. Prize winners and breeders must go at once. Pleasant View Farm, Horseheads, N. Y. 10-3

A MARVELOUS strain of Buff Cobbins. Marvellous form, massive, globular type. Marvellous color, rich, golden buff. Marvellous feathering, profuse yet soft. Line bred from New York and World's Fair winners. Stock for sale. Write wants. E. J. Fish, Strongsville, Ohio. 10-3

We manufacture  **WORLD SAFETY IN-**

CUBBORTS AND BROODERS, and sell them on 60 days trial and 6 years guarantee. Our machines have numerous improvements not found on other machines.

We are headquarters for all kinds of Poultry Supplies. If you are in need of clover or alfalfa, the nice pure green kinds let us send you samples and prices.

We have an interesting proposition to make to all who raise poultry. Send today for our new Catalogue. It contains full information about our proposition and we mail it postpaid.

WORLD STOCK AND POULTRY SUPPLY CO.

M. BURG & SONS, PROP'S.
1202 RAYMOND AVE., ST. PAUL, MINN.

WINTER EGGS

Immature stock can't lay. If your pullets are stunted—if not gaining in weight—if they show no indication of getting full-feathered—don't expect eggs from them this winter, unless you help them regain health and vigor.

Neglect this, and your flock will fall victims to colds, roup, diphtheria, etc. If you provided proper food and shelter through the summer, their troubles are due to lice. THEIR WEAKENED CONDITION PROVES THIS.

Dust baths are now cold. Pullets avoid them. Body lice multiply most rapidly in cool weather. If you dislike sitting up nights dusting your flock singly by hand, and if you want a POSITIVE METHOD OF REMOVING ALL LICE which hide under feathers of the head, hackle, vent and wing butts, get Schild's Lice Killing Machine. It thoroughly cleans a dozen, while you try to clean one by hand. Does not injure plumage nor impair sight or breathing. Helps moulting, reduces feed bills, and is guaranteed to pay for itself. Our catalogue tells how to increase the yield of winter eggs. Sent free. Write for it today.

The Chas. Schild Co.

2 Frankfort St.,
Cleveland, O.



NOTICE TO POULTRY ASSOCIATIONS.

We have made arrangements with the Caxton Engraving Co., Chicago, Ill., to furnish us with a limited number of three-colored posters, designed especially for poultry shows, and will be able to furnish them at a very reasonable price. This poster is without doubt the handsomest ever gotten up for this purpose and will prove one of the best advertisements that an association could possibly put out. Every up-to-date association should secure some of these posters to announce their coming show. These posters will not cost any more than an ordinary type poster, but are much more attractive and will give tone to any exhibition of poultry. Send for sample and prices to AMERICAN POULTRY JOURNAL, 325 Dearborn street, Chicago, Ill.

Elsewhere in this issue will be found the advertisement of the Caxton Engraving & Printing Co. This firm is one of the old established engraving houses of Chicago and has a reputation for doing high-grade work in both engraving and printing. The care displayed in the execution of its productions, be it only a small illustration or cut or a voluminous catalogue, carries with it that piquant individuality that has gained for these people their place in the front rank of printers and engravers. If any of our readers pride themselves on a finely bred hen and wish to spread her fame by picture or write-up they should read the ad of this firm and write them for prices.

The Pinkerton Mfg. Co., Box 20, Lincoln, Neb., commence the advertising of their Queen incubators in this issue, and everybody interested in poultry raising should correspond with them at once.

BRANDING STEERS.

Did you ever brand a steer? Did the steer look happy and satisfied with life? Perhaps you feel about the same way when you shave. If so, stop using common soaps for shaving and try the only real shaving soap made especially for shaving by the J. B. Williams Co., of Glastonbury, Conn. If you once try it, you will never be satisfied with any other kind. That is why they are willing to send you a free trial sample as per their offer in another column. "Try it for your face's sake."

"Between the magazines that are using the lever of their circulation to pry up the world, and those which have nothing of current interest later than 1812, there lies a fine pathway for some magazine, for people who are now on earth who are not excited about the proximity of the demerit bow-vows to the orbit of this sad old earth, and in that path *Scribner's Magazine* seems to be walking in solitary state. Its fiction is particularly sane and wholesome. It lacks the Miss Nancy pucker of the fiction of the magazines of prunes and prisms, and holds the vigor of the fiction of the more strenuous magazines without the slightest rawness. *Scribner's* is a great and good magazine, and should be in every American home."

The De Graff Poultry Yards, of Amsterdam, N. Y., won at the recent New York State Fair as follows: On White Leghorns and Single Comb Rhode Island Reds, making a complete entry of two single specimens in each class and six breeding pens; on S. C. Rhode Island Reds in a class of 150; 1st and 2nd pens of old birds; 1st and 2nd pens of young birds; 2nd cock; (moulting) 1st, 2nd hens; 1st, 2nd cockerels; 1st and 3rd pullets; Rose Comb Reds, 2nd pen; White Leghorns in a strong class; 1st pen young fowls, and a good showing in all the classes.

CHOICE REGISTERED COLLIES

Pure bred, for sale at from \$10 up according to age and breeding. Great home dogs and stock workers.

A. D. BURHANS

2413 Y Street, Lincoln, Neb.



MONEY IN THE GENUINE O. I. C. Hogs. Our stock is the real thing and we sell them so you can buy. Our early stock is all gone, owing to the ever increasing demand for our O. I. C's.

but we have a nice lot of late pigs for sale. Write for our circular, its free, and don't forget. M. I. DAGGETT Co. L. Box 59, Des Moines, Iowa



Parlor Poultry Yards

F. C. TABOR, Prop.
Worcester, New York
Tabor's 200-egg strain of R. C. Brown Leghorns are winners at Madison Square Garden, January 1905, 1st cock bird at the great World's Fair, St. Louis, 1904, 4, 6 hens, 6 pullet, 2d pen. I now have ready for prompt shipment 24 choice yearling hens, 1 cock bird, 50 pullets, 25 chicks, bred from my prize winners. Catalog.

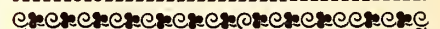
pullets, 25 chicks, bred from my prize winners. Catalog.

Black P. Rocks

Twelve years of scientific matings have produced a new variety, jet black, true Plymouth Rock shape. Scorings from Illinois and Indiana State Shows, 91 to 95 points. A desirable amount of stock for sale. Write your wants. Satisfaction guaranteed.

J. W. CREIGHTON - POTOMAC, ILL.

Sole Breeder and Originator.



BARRED PLYMOUTH ROCKS

EXCLUSIVELY

Bradley Strain. 300 cockerels and pullets for sale at a live and let live prices. Pairs, trios or pens mated to suit. Cockerels \$2 and up. Satisfaction guaranteed or chickens returned and money refunded; have never had a single complaint and have been a breeder of Barred Plymouth Rocks for ten years.

J. A. DICKERSON - ROCHESTER, ILL.



Don't Wait! You Save Money With Jaeger's Standard Egg Preserver

The best preparation on the market. It is easy to use, absolutely safe. It is an odorless, tasteless, colorless, non-poisonous fluid, and is used and endorsed by poultry raisers everywhere. One gallon makes sufficient solution to keep 100 dozen in perfect condition for ten months, and the eggs keep as fresh as the day they were laid. Price, 1 gallon, \$1. Cash with order; money refunded if not satisfactory. Order today. Address

OTTO JAEGER MFG. CO. 402 Summer St., Buffalo, N.Y.

READY FOR BUSINESS!

We are now ready to make prompt shipment of

SUPERIOR TRAP NESTS

to all parts of the United States. Calls received from Atlantic to Pacific, and from Canada to the Gulf. Won highest award at Illinois State Fair. Write for special introductory prices.

J. A. BICKERDIKE Millersville, Ill.
The Trap Nest Man,

OAKWOOD JOTTINGS.

We have just been pulling and piling our mangelwurzel. These beets, some of which, grown on only moderately rich soil, weigh from nine to ten pounds, are very easy to pull, or rather upset, as they stand three-fourths out of the ground. Split lengthwise and hung here and there within the poultry houses on nails, they furnish a much needed succulent food in winter. Hung a little out of easy reach, they stimulate the fowls to health-giving exercise. They, and cut clover serve to correct the too concentrated grain ration of winter.

Not only what is commonly called green food, such as turnips, mangels, rape, kale, growing rye, etc., are essential to profits in winter, but meat food as well. In the warmer months a flock of hens, if not too large, will find plenty of insects and worms, which are both meat and drink to them; but to a larger flock, in summer, and to any flock, large or small, in winter, cut meat and bone from the nearby butcher, or some by-product of the great city slaughter houses, should be fed.

Nothing on a farm is, as a rule, more profitable than the hens. In this part

of Illinois the thrifty housewife often pays the entire grocery bill with the income from these busy cacklers; and then often has a neat little sum left for some other purpose. What recommends hens, if not too numerous, is that they are continually helping along the credit side of the book, and comparatively little can be justly charged up against them.

We sold, last year, about the first of June, Leghorn eggs to a nearby neighbor. He had never made a study of wide, narrow and balanced rations and he fed to the chicks, when young, what came handy, and when they were older, let them find the greater part of their living in their own way. This they did to perfection, scouring the fields and roadside for seeds, insects and tender blades of grass. We saw them almost daily and we never saw chicks do better.

It is the spirit of false calculations that often ruins the poultry business. These calculations run about this way: If the income from one hundred hens is so much, then the profit from two hundred is twice so much, and from three hundred three times so much, and from a thousand so very much. The items of food, housing and attention required

are apt to be left out of the calculation and so it is vitiated. Often more eggs are sold from a flock of one hundred hens than from a flock of two hundred. Especially is this true if the two hundred are expected to pick up the greater part of their living, where the one hundred had picked up theirs.

Of course a large number of fowls can be profitably kept on a farm if proper care is taken of them. They will not take care of themselves to so great an extent as a small flock will. There are now emphatically two sides of the book. We are now on a debit and credit basis. We are now in business. Our brains for the many are to largely take the place of the instinct of the fowls in the smaller flock. Study of foods and their prices and values, of housing, of breeds and their adaptability to different uses, of a thousand details not to be learned in a day, now becomes deeply interesting. This is an age of large undertakings and there is money in the poultry business for the man who is level-headed and who will give proper attention to details.

ALVAN SMITH.

Marshall, Ill.

Take your lice powder off that shelf and dust your setters once each week. This makes the chicks grow faster. See?

A SCIENTIFIC DISCOVERY!

Don't Kill The Laying Hen!

Learn the Secret of Knowing
How to Select the Laying Hen
From the Non-Laying Hen.

This Information Will Enable You:

- 1st. To avoid killing the hen that is laying.
- 2d. To pick out the hen that is not laying.
- 3d. To know about how far advanced the hen is toward the laying point.
- 4th. To avoid wintering hens that are not likely to be good winter layers.
- 5th. To know how to select the hen having strong laying powers, for breeding purposes.
- 6th. To know the hen that has entirely lost her power of egg production.
- 7th. To know how to sort out the hens in summer or fall that have ceased laying for the year.
- 8th. To know the hen that has become weakened in her laying powers.
- 9th. To know how to buy hens in the early winter, that will make good winter layers, and dispose of them at a large profit after receiving their crop of eggs.

Illinois State Fair, Sept. 30 to Oct. 7, 1905

Springfield, Ill., October 3, 1905.
To whom it may concern: This is to certify that T. F. Potter has demonstrated to our entire satisfaction the Potter system of selecting the laying hen from the non-laying hen, and we are convinced that his system is absolutely certain.

A. G. Murray, Springfield, Ill., member Illinois State Legislature and Pres. Illinois State Poultry Association.
D. T. Heimlich, Jacksonville, Ill., has judged all leading shows for the past 15 years.

U. R. Fishel, Hope, Ind., White Ply. Rock Specialist.
J. Brinkman, 113 Adams St., Chicago, Ill., Poultry Judge.
F. H. Shellbarger, West Liberty, Iowa, Poultry Judge.



Don't Kill a Hen in This Condition.

W. A. Hoyt, Whitewater, Wis., Poultryman. H. H. Fike, Libertyville, Ill., of C. and F. White Wyandotte breeders. F. J. Phillips, Chicago, President Chicago P. S. H., Lakeside Bldg. Henry Steinmesch, St. Louis, Mo., General Superintendent of Poultry World's Fair, 1904. W. C. Pierce, Indianapolis, Ind., Editor Fanciers' Gazette and Poultry Judge. J. A. Leland, ex-President Illinois State Poultry Association.

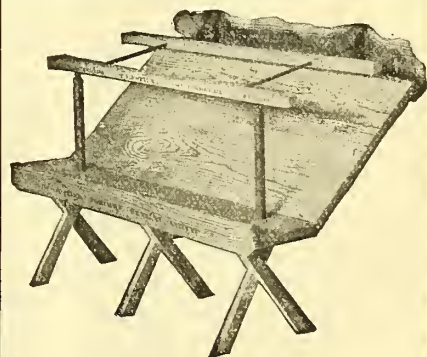
These are only a few of the gentlemen who took my system, and by reading over the names you will find that all these gentlemen are men who stand high among the poultry fraternity. Send for free circular telling all about the Potter System.

T. F. POTTER & CO. Box A, Downers Grove, Ill.

POULTRY HOUSE FIXTURES.

The Potter Portable Hennery Outfit
and Vermin Exterminator Roost

Within the past few years we have equipped hundreds upon hundreds of poultry houses in every part of the country with our apparatus. Poultrymen of every class use and recommend it, and pronounce our fixtures the most complete, convenient and satisfactory ever put on the market. Do not think of building a new house or renting the old one until you have secured a copy of our large 30-page catalogue.



The above cut shows but one of the three styles which we make. Outfits are made in 50 different sizes to fit any house. Better send for our catalogue and see what we are offering. Inclose one red stamp if you want it.

FINE YOUNG BUFF ROCKS

From high scoring stock for sale.

F. WHALEY TURNEY, MO.

Doane's Minorcas

are farm raised. Eggs from best matings \$1.50 for balance of season. Orders from ad direct promptly filled.

J. H. DOANE, Lock Box D, Gouverneur, N. Y.

Buff Wyandottes and Barred Rocks

Special bargains in breeding pens.

G. R. MORRIS LANARK, ILL.

AUTOCRATS OF SHOW ROOM AND UTILITY...

Black Minorcas—W. P. Rocks

Make a sweeping win at late New York Madison Square Garden Show. Four 1sts, two 2ds, including 1st and 2d pens on Minorcas and four 1sts, including 1st pen on Rocks. Grand total eight 1sts and one 2d out of possible 10 1sts in largest and strongest classes each variety ever shown in Garden. Grand chicks and pullets hatched direct from the winners after September.

Greystone Poultry Farm, Yonkers, N. Y.



Wiebke's S. C. Brown Leghorns

Chicago, Ill., January, 1905, 2d cock, 2d, 3d cockerel, 1st pullet, 1st pen, 10 specials on 8 birds. Madison Square Garden, Jan., 1905, 1st cock, 3d pullet. Winners of 30 1sts at Chicago, Indianapolis, Cleveland, Ft. Wayne, Eggs \$2 and \$5 per setting. Circular free. W. H. WIEBKE, Box P 2001, Ft. Wayne, Ind

THE IMPROVED CHAMPION LEG BAND



Aluminum or copper, two sizes, adjust able to fit any fowl. Held by double lock They can't lose off. Initials, 10 cents per 100 extra. Also Pigeon Bands



THE SUPERIOR

Is securely locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind, No. to suit, 12, 15c; 25, 30c; 50, 50c; 100, 80c. Sample for stamp. Circular free.

T. CADWALLADER,

Box 502, Salem, Ohio

100 Exhibition Cockerels For Sale From

Bennett's Barred Rocks

That in breeding and individual merit are the equal of any on the market. Won at Chicago, 1905, 1st pullet, 2d hen, 2d cock, 3d chl., 2d pen. Choice breeders for sale cheap, quality considered.

DR. O. P. BENNETT

Box 228, Mazon, Grundy Co., Ill.



POULTRY FENCE

that keeps stock out of your poultry yard, stands up stiff on few posts and requires no top rail or bottom board, is our specialty. You can't afford to buy poultry fencing without knowing more about the PAGE. Write us.

Page Woven Wire Fence Co., Box 5873, Adrian, Mich.



A Hen In It.

She was the first hatcher. You can't beat her. Siems learned how to use her and he put her in the

Natural Hen Incubator.

Nature's way. Exceeds all other incubator results at a fraction of the cost. 200 egg hatcher costs only \$33. Agents wanted. Money savers, money makers. For large or small poultry raisers. Write for plan. Catalog and 25c lice formula free.

Natural Hen Incub. Co., B-4, Columbus, Nebraska

Poultry Show Dates For 1905-6.

[We would be pleased to have the Secretaries of poultry show notify us of any errors or changes in the following list, as it is our desire to make this as near correct as possible.]

- Nov. 8-11—Bowie, Tex. Mrs. W. R. Stewart, secretary.
 Nov. 9-11—Enfield, Ill. D. T. Heimlich, judge; C. H. Wilson, secretary, Morris, Ill.
 Nov. 13-17—New York, N. Y. C. E. Gauss, secretary, Box 101, Flushing, L. I., N. Y.
 Nov. 13-17—Garnett, Kan. C. H. Rhodes, judge; Hattie A. Weld, Greeley, Kan., secretary.
 Nov. 14-17—Greenfield, Ill. W. S. Russell, judge; H. C. Smith, secretary.
 Nov. 15-30—Arcadia, Fla. Thos. J. L. Brown, president, Tampa, Fla.
 Nov. 16-18—Warsaw, Ill. W. S. Russell, judge; Paul Heise, secretary.
 Nov. 19-20—Bonham, Tex. Savage, judge; B. Smith, secretary.
 Nov. 20-22—Newton Falls, Ohio. Ira C. Keller, judge; C. H. Herner, secretary.
 Nov. 20-25—Gloversville, N. Y. Stanton, Zimmer, Drevenstedt, Spraker, judges; Jacob H. Blunck, secretary.
 Nov. 21-23—Forrest, Ill. S. B. Johnston, judge; Clyde Johnston, secretary.
 Nov. 21-24—West Haven, Conn. Nichols, Lambert, judges; E. J. Crawford, secretary.
 Nov. 21-24—Tabor, Iowa. W. S. Russell, judge; E. H. Harrison, secretary.
 Nov. 21-24—Muscatine, Iowa. B. S. Myers, judge; F. M. Zeigler, R. F. D. 7, secretary.
 Nov. 21-25—Tarkio, Mo. Thompson, judge; Gussie White, Fairfax, Mo., secretary.
 Nov. 22-25—Holyoke, Mass. Felch, Ballou, Shove, Pierce and Craggle, judges; George Barnett, Jr., 115 South St., secretary.
 Nov. 22-25—Milan, Mo. F. H. Shellabarger, judge; J. A. Niblo, Jr., secretary.
 Nov. 22-25—Carthage, Mo. C. H. Rhodes, judge; C. A. Emry, secretary.
 Nov. 22-23—Elsberry, Mo. Shaner, judge; M. P. Elsberry, secretary.
 Nov. 23-25—Warsaw, Ky. W. C. Pierce, judge; O. A. Bogardus, secretary.
 Nov. 24-25—Lampasas, Tex. Savage, judge; L. R. Sparks, secretary.
 Nov. 24-30—Charleston, S. C. Lea, Marshall, judges; T. J. McCarty, secretary.
 Nov. 27-29—Plainville, Kan. Rhodes, judge; C. E. Kinney, secretary.
 Nov. 27-Dec. 1—Sheboygan, Wis. Tucker, judge; A. H. McIntire, secretary.
 Nov. 27-Dec. 2—South Haven, Mich. Tucker, judge; Jas. L. Bonar, secretary, R. F. D. 1.
 Nov. 27-Dec. 2—Erie, Pa. W. C. Pierce, judge; F. E. Thompson, 451 West Tenth street, secretary.
 Nov. 27-Dec. 2—San Francisco, Cal. Holden, Orr, Burgott, Berran, judges; J. C. Williams, 25 New Montgomery street, secretary.
 Nov. 28-Dec. 1—Moline, Ill. J. M. Rapp, judge; Oscar Hogberg, 1409 Fourteenth street, secretary.
 Nov. 28-Dec. 1—Boonville, Mo. D. T. Heimlich, judge; Charles Miller, Box 702, secretary.
 Nov. 28-Dec. 1—Fairfield, Iowa. A. B. Shaner, judge; John R. McEliderry, secretary.
 Nov. 28-Dec. 1—Corfu, N. Y. W. F. Brace, judge; Chas. Phelps, secretary.
 Nov. 28-Dec. 1—Warren, Ohio. D. K. Moser, secretary.
 Nov. 28-Dec. 2—Great Bend, Kan. T. W. Southard, judge; Rev. S. Olinger, secretary.
 Nov. 28-Dec. 2—Mason City, Iowa. W. S. Russell, judge; M. V. Bickel, secretary.
 Nov. 28-Dec. 2—Hamilton, Ont., Can. John E. Peart, secretary, 31 Pine St.
 Nov. 29-Dec. 2—Corvallis, Ore. Robert Johnson, secretary.
 Nov. 29-Dec. 2—Sanatoga, Pa. S. J. Kurtz, secretary.
 Nov. 29-Dec. 2—Moult Sterling, Ill. Heimlich, judge; E. Hambaugh, secretary.
 Nov. 29-30—DeLeon, Tex. Savage, judge; R. T. Bowman, secretary.
 Nov. 29-Dec. 2—Dover, N. J. W. H. Biggood, secretary.
 Nov. 29-Dec. 2—Bridgeton, N. J. Louis G. Heller, superintendent.
 Nov. 29-Dec. 5—Delta, Ohio. Ira C. Keller, judge; M. B. Hatton, secretary.
 Nov. 30-Dec. 2—Spickard, Mo. Adam Thompson, judge; Leon A. Tracy, secretary.
 Nov. 30-Dec. 2—Danbury, Conn. Nichols, Drevenstedt, Card, judges; C. H. Brundage, secretary.
 Nov. 30-Dec. 2—Glenwood, Iowa. Shellabarger, judge; G. B. Van Horn, secretary.
 Nov. 30-Dec. 3—Jackson, Mich. Travis, Heck, judges; L. H. Hill, secretary.
 Dec. 2-6—Union, Iowa. Shellabarger, judge; O. E. Smith, secretary.
 Dec. 4-7—Henessey, Okla. C. A. Emry, judge; Homer A. Palm, secretary.
 Dec. 4-7—Antwerp, Ohio. Eugene Sites, judge; C. A. Bissell, secretary.
 Dec. 4-7—Rofe, Iowa. D. T. Heimlich, judge; Marion Bruce, secretary.
 Dec. 4-8—Marshalltown, Iowa. Hewes, judge; H. C. Hansen, secretary, 608 E. Church St.
 Dec. 4-8—Macomb, Ill. I. H. Sheets, secretary.
 Dec. 4-8—Lancaster, Mo. W. S. Russell, judge; Brice Hays, secretary.
 Dec. 4-9—Owensboro, Ky. W. C. Pierce, judge; D. O'C. Dougherty, secretary.
 Dec. 5-6—Easthampton, Mass. D. J. Lambert, judge; W. B. Drury, secretary.
 Dec. 5-6—Greenfield, Mass. Craggle, judge; B. Buffum Noyes, secretary, 84 Federal St.
 Dec. 5-7—Jackson, Mich. Travis, judge; C. W. Krooz, 220 Mansion street, secretary.
 Dec. 5-8—Portland, Me. Smith, Hawkins, Atherton, Coffin, judges; A. L. Merrill, secretary, Auburn, Me.
 Dec. 5-8—Auburn, Me. Smith, Hawkins, Atherton, Coffin, judges; A. L. Merrill, secretary.
 Dec. 5-8—Waverly, Iowa. A. B. Shaner, judge; B. L. Burbank, secretary.
 Dec. 5-8—Rising Sun, Ohio. Ira C. Keller, judge; Merle Rearick, secretary.
 Dec. 5-8—Leominster, Mass. Atherton, Shove, Hawkins, Woodward, judges; L. D. Mudgett, secretary.
 Dec. 5-8—Walden, N. Y. Drevenstedt, judge; H. W. Millsbaugh, secretary.
 Dec. 5-8—Huntsville, Ala. John L. Hay, secretary.
 Dec. 5-8—Palmira, Mo. C. H. Rhodes, judge; Maude Bloomer, secretary.
 Dec. 5-8—New London, Iowa. H. L. Pedrick, judge; F. L. Clawson, secretary.
 Dec. 5-9—Springfield, Mass. Felch, May, Shove, Delano, Pence, Watson, Ballou, Card, judges; L. S. Evans, secretary, 243 Worthington St.
 Dec. 5-9—Brookfield, Mo. Heck, judge; Dr. J. S. Hill, secretary, Purdin, Mo.
 Dec. 5-9—Bethany, Ill. S. B. Lane, judge; Walter Roney, secretary.
 Dec. 5-9—Emporia, Kan. Atherton, Dudley, judges; D. M. May, secretary-treasurer.
 Dec. 5-9—Providence, R. I. Ballou, Watson, Ball, May, Rowland, Twombly, judges; W. J. Brown, 6 Exchange Place, secretary.
 Dec. 5-9—Wilkesbarre, Pa. J. C. Kriner, judge; D. T. Miller, 880 S. Franklin St., secretary.
 Dec. 5-10—Newton, Kan. Southard, judge; S. R. Behler, secretary.
 Dec. 6-8—Owosso, Mich. Tucker, judge; Bert Lovett, secretary.
 Dec. 6-8—Adams, Mass. John J. Caley, secretary.
 Dec. 6-8—Sand Creek, Okla. Fite, judge; C. L. Bickerdike, secretary.
 Dec. 6-8—Paterson, N. J. Stanton, Huyler, judges; James Handford, 452 E. 23rd St., secretary.
 Dec. 6-9—Alameda, Cal. Dixon, Hinds, judges; C. A. Tracy, secretary.
 Dec. 6-9—Taylorsville, Ala. Rigg, judge; James Hunter, secretary.
 Dec. 6-9—Waco, Tex. G. Knebel, judge; J. R. Davis, secretary.
 Dec. 6-9—Youngstown, Ohio. T. E. Orr, judge; Charles E. Watwood, secretary.
 Dec. 6-9—Craig, Mo. Shellabarger, judge; E. A. Kellogg, secretary.
 Dec. 6-9—Carlisle, Pa. Cornman, Minnick, judges; Geo. L. Hoffman, secretary, 52 W. Louthier St.
 Dec. 6-9—Stewartville, Minn. Holden, judge; L. G. Tubbs, secretary-treasurer.
 Dec. 7-9—Marshall, Tex. Savage, judge; K. A. Powers, secretary.
 Dec. 7-9—Lacon, Ill. Heimlich, judge; John Watt, secretary.
 Dec. 7-9—Crookston, Minn. Rankin, judge; R. C. Kirsch, secretary.
 Dec. 7-12—Stanberry, Mo. Russell, judge; Robert Larmer, Ravenwood, Mo., secretary.
 Dec. 8-9—Elgin, Tex. R. A. Davis, judge; A. J. Jarmon, secretary.
 Dec. 11-15—Davenport, Iowa. James A. Tucker, judge; J. P. Voss, secretary.
 Dec. 11-16—Oconomowoc, Wis. Fr. Heck, judge; Dr. H. J. Larson, secretary.
 Dec. 11-16—Warren, Ill. Shellabarger, judge; B. L. Wright, secretary.
 Dec. 11-16—Fort Wayne, Ind. T. E. Orr, judge; Philip A. Heller, secretary.
 Dec. 11-16—Rochester, Minn. George D. Holden, judge; Louis E. Nietz, secretary.

POULTRY SHOW DATES—CONTINUED.

- Dec. 11-16—Dwight, Ill. Ben S. Myers, judge; H. A. Wood, secretary.
 Dec. 11-16—Ottawa, Ill. Rapp, judge; C. O. Deist, secretary.
 Dec. 11-18—Elwood, Ind. S. B. Lane, judge; S. W. Swihart, secretary.
 Dec. 12-14—Milford, Mass. J. P. Remick, secretary.
 Dec. 12-14—Falmouth, Mass. I. K. Felch, judge; R. E. Small, secretary.
 Dec. 12-15—Quincy, Mich. McClave, judge; A. L. Massey, secretary.
 Dec. 12-15—Monroe, N. C. Marshall, judge; T. F. Dillon, secretary.
 Dec. 12-15—Salem, Ore. C. D. Minton, secretary.
 Dec. 12-15—Birmingham, Ala. Johnston, judge; Charles Barber, 216 Twentieth street, secretary.
 Dec. 12-15—Flint, Mich. T. E. Orr, judge; F. P. Wildman, secretary.
 Dec. 12-15—Farragut, Iowa. Todd, judge; W. S. Roberts, secretary.
 Dec. 12-15—Eau Claire, Wis. Rankin, judge; R. C. Burgar, secretary.
 Dec. 12-16—Chicago Heights, Ill. Greer, judge; Harry Neath, secretary.
 Dec. 12-16—Temple, Tex. Savage, judge; Mrs. W. E. Matthews, secretary.
 Dec. 12-16—Decatur, Ill. Lane, judge; F. L. Stevenson, secretary.
 Dec. 12-16—Lawrence, Kan. Atherton, judge; John Manwaring, secretary.
 Dec. 12-16—Lohrville, Iowa. Shaner, judge; J. O. Ratcliffe, secretary.
 Dec. 12-16—Clarinda, Iowa. W. S. Russell, judge; Brady Ustick, secretary.
 Dec. 12-16—Chariton, Iowa. Pedrick, judge; J. O. Becker, secretary.
 Dec. 12-16—Waverly, Iowa. B. L. Burbank, secretary.
 Dec. 12-16—Kirksville, Mo. Hewes, Rhodes, Emry, judges; H. P. Mason, Fayette, Mo., secretary.
 Dec. 12-16—Loveland, Colo. Heimlich, judge; J. P. Newman, secretary.
 Dec. 12-15—Kingston, N. Y. Drevenstedt, judge; F. E. Miller, Rifton, N. Y., secretary.
 Dec. 12-15—Hamden, Conn. Nichols, judge; W. W. Gale, secretary.
 Dec. 12-15—Bristol, Tenn. D. M. Owen, judge; R. L. Cannon, secretary.
 Dec. 12-16—McCune, Kan. J. S. Hughes, judge; H. I. Dolson, secretary.
 Dec. 12-16—Blandon, Pa. Wittman, Litzenberger, Snyder, judges; E. G. Wilkinson, secretary.
 Dec. 12-16—San Diego, Cal. Herbert M. Stiles, R. F. D. 1, secretary.
 Dec. 12-16—Beverly, Mass. Lambert, Watson, Flanders, Atherton, Edwards, judges; D. P. Foster, secretary.
 Dec. 12-16—Corsicana, Tex. Savage, Davis, judges; C. E. Papworth, secretary.
 Dec. 12-16—Holland, Mich. Chas. McClave, judge; L. S. Spletsuma, secretary.
 Dec. 12-16—Brocton, Mass. Graves, Atherton, Bryant, Wheeler, Forbes, Benson, Rogers, Smith, judges; G. S. Hutchinson, secretary.
 Dec. 12-17—Belleville, Ill. Campbell, judge; D. O. Thomas, secretary.
 Dec. 12-17—Jacksonville, Ill. D. T. Heimlich, judge; L. O. Vaught, secretary.
 Dec. 12-16—Rutherford, N. J. W. J. Stanton, C. M. Smith, judges; E. J. Irwin, secretary.
 Dec. 12-16—Downers Grove, Ill. Harral, Dietz, Kline, judges; Geo. M. Kline, secretary.
 Dec. 12-21—Atlanta, Ga. Marshall, Johnston, judges; C. O. Harwell, secretary.
 Dec. 12-19—Fresno, Cal. R. J. Venn, Ben Woodhull, judges; George R. Andrews, secretary.
 Dec. 12-23—Sullivan, Ind. McClave, judge; C. A. Beasley, secretary.
 Dec. 12-21—Colorado Springs, Colo. Heimlich, judge; W. S. Trowbridge, Box 511, secretary.
 Dec. 12-21—Iowa Falls, Iowa. A. B. Shaner, judge; N. S. Curtis, secretary.
 Dec. 12-21—Odebolt, Iowa. Tucker, judge; E. P. Hartman, secretary.
 Dec. 12-22—Montgomery, Ala. Johnston, judge; L. D. Teasley, secretary.
 Dec. 12-22—Beresford, S. D. J. E. Redding, secretary.
 Dec. 12-22—Humeson, Iowa. W. S. Russell, judge; George W. King, secretary.
 Dec. 12-22—Long Branch, N. J. E. C. Wainwright, secretary; Little Silver, N. J.
 Dec. 12-22—Parsons, Kan. Emry, Thompson, judges; A. E. Blaker, secretary.
 Dec. 12-22—Watertown, S. D. Rose E. Sanford, secretary.
 Dec. 12-23—Concord, N. H. H. C. Shaw, secretary; Milford, N. H.
 Dec. 12-23—Columbus, Neb. Rhodes, judge; W. H. Swartsley, secretary.
 Dec. 12-23—Hauabstadt, Ind. Ben S. Myers, judge; D. T. MacClement, 1024 Powell Ave., Evansville, Ind., secretary.
 Dec. 12-23—Hazelton, Pa. J. E. Anderson, secretary.
 Dec. 12-23—Thorntown, Ind. Pierce, judge; S. F. Cones, R. F. D. 3, secretary.
 Dec. 12-21—Woonsocket, R. I. Ball, Shore, judges; E. W. Cook, secretary; Slatersville, R. I.
 Dec. 12-22—Warren, Pa. Keller, judge; L. J. Schearee, secretary.
 Dec. 12-22—Bedford, Iowa. Shellabarger, judge; W. M. Jackson, secretary.
 Dec. 12-22—Frankfort, Ky. Theo. Hewes, judge; John H. Cassell, secretary.
 Dec. 12-22—Ponca City, Okla. M. S. Flite, judge; J. Flem Smith, secretary.
 Dec. 12-22—Manchester, N. H. N. H. Lambert, Ballou, May, judges; F. H. Balch, secretary; C. H. Tobie, assistant secretary.
 Dec. 12-22—Lexington, Ill. Wm. Stickler, secretary.
 Dec. 12-22—Albany, Ore.—Dixon, judge; Claud W. Yumb, secretary.
 Dec. 12-22—Columbia, Tenn. Marshall, judge; R. S. Hopkins, secretary.
 Dec. 12-23—Catlin, Ill. C. F. Byerly, secretary.
 Dec. 12-23—Cisco, Tex. Savage, judge; A. H. Johnson, secretary.
 Dec. 12-23—Mohnsville, Pa. Cornman, judge; George W. Hatt, Mohn's Store, Pa., secretary.
 Dec. 12-23—Seattle, Wash. Holden, judge; C. McAllister, secretary.
 Dec. 20-22—Clarksburg, W. Va. T. E. Orr, judge; W. H. Lewis, secretary.
 Dec. 20-22—Cleveland, Tenn. A. J. Lawson, secretary.
 Dec. 20-23—Hastings, Mich. Butterfield, judge; R. Henry Mitchell, secretary.
 Dec. 20-23—Streator, Ill. Shellabarger, judge; E. R. Schurman, secretary.
 Dec. 21-23—Weeping Water, Neb. Rhodes, judge; W. W. Davis, secretary.
 Dec. 21-23—Wakita, Okla. Emry, judge; E. M. Garrett, secretary.
 Dec. 25-27—Gordonville, Mo. D. T. Heimlich, judge; G. S. Summers, secretary.
 Dec. 25-30—Mankato, Minn. Holden, judge; J. W. Kollmann, 501 N. Second St., secretary.
 Dec. 25-30—Kalamazoo, Mich. James A. Tucker, judge; J. S. Carr, secretary.
 Dec. 26-29—Marietta, Ohio. H. A. Emmel, judge; A. I. Spencer, secretary; Parkersburg, W. Va.
 Dec. 26-29—Meriden, Conn. Drevenstedt, judge; W. H. Baldwin, secretary.
 Dec. 26-29—Fremont, Neb. Todd, judge; W. H. Haven, secretary.
 Dec. 26-29—Davenport, Neb. Atherton, judge; L. L. Slagel, secretary.
 Dec. 26-29—Ravenna, Ohio. Ben S. Myers, judge; Harry Beck, secretary.
 Dec. 26-29—Dunlap, Iowa. Shellabarger, judge; L. K. Moore, secretary.
 Dec. 26-29—Indianola, Iowa. Shanklin, judge; J. E. Hune, secretary.
 Dec. 26-30—Lansing, Mich. F. W. Travis, judge; J. A. Turner, secretary.
 Dec. 26-30—Aberdeen, Miss. S. T. Lea, judge; A. Brannin, secretary.
 Dec. 26-30—Gallatin, Mo. F. M. Parker, secretary.
 Dec. 26-30—Beatrice, Neb. H. C. White, secretary.
 Dec. 26-30—Duluth, Minn. Theodore Hewes, judge; H. E. Edmunds, secretary.
 Dec. 26-30—Oregon, Ill. W. C. Pierce, judge; L. H. Valentine, secretary.
 Dec. 26-30—Flora, Ind. A. D. Wood, secretary; R. F. D. 2.
 Dec. 26-30—Wichita, Kan. McClave, judge; N. M. Odell, secretary.
 Dec. 26-30—Lititz, Pa. Stanton, Bean, Cornman, judges; J. W. Bruckart, secretary.
 Dec. 27-29—East Palestine, Ohio. Early, Feil, judges; William Hought, secretary.
 Dec. 27-29—Freeport, Me. Lambert, Watson, Bartlett, judges; Geo. P. Coffin, secretary.
 Dec. 27-29—Guthrie Center, Iowa. Warnock, judge; J. O. Morgan, secretary.
 Dec. 27-30—East Greenville, Pa. Theodore Wittman, judge; C. A. Mack, secretary.
 Dec. 27-30—Crown Point, Ind. W. C. Pierce, judge; J. J. Steeb, secretary.
 Dec. 27-30—Ashland, Ohio. Hill, judge; W. A. Mason, secretary.
 Dec. 27-Jan. 1—Tacoma, Wash. Dixon, Collier, judges; Mrs. C. A. Pratt, 3203 South Seventh street, secretary.
 Dec. 28-30—Clay Center, Kan. Rhodes, judge; M. B. Caldwell, secretary.
 Dec. 28-30—Eldorado, Ill. D. T. Heimlich, judge; Warren Sloan, secretary.
 Dec. 28-30—Winfield, Iowa. A. B. Shaner, judge; Russell Canby, secretary.
 Dec. 29-Jan. 2—Toronto, Can. R. Durston, secretary.

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Unexcelled for run-down poultry. Can't be beat Guaranteed. A few Buff Orpingtons and Wyandottes for sale. A. E. GREEN, Morgan Park, Ill.

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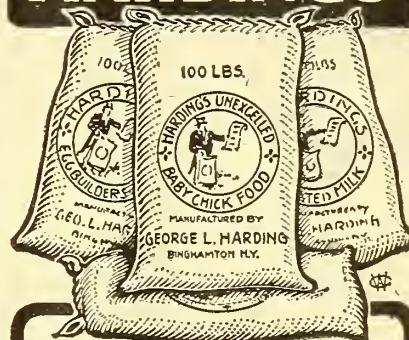
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Clover Meal	Scaly Leg Cure

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POULTRY SHOW DATES—CONTINUED.

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LANSING, Dec., 1904, winning 1st, 2d ckl.,
 95½, 94; 1st, 2d, 3d pullet, 95½, 95½, 94½; 1st pen, 190½;
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 full breast, good Rock shape. Circular free.

at the state and county fairs; Milwaukee, Elkhorn, Wis., etc., hundreds of premiums on our Black Langshans, Light Brahmas, Buff, White and Brown Leghorns; B. B. Red Games, B. Minorcas, Rhode Island Reds, Cochins, Andalusians, Rose Comb White Leghorns, Wyandottes and Pekin Ducks. We can make you low prices at this season. Write us.

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Farm raised, fine young stock for sale.
Satisfaction guaranteed.

R. A. BLOOMFIELD - Mt. Sterling, Ill.
Member R. I. Red Club of America.

Is selling eggs from his B. P. Rocks, Pekin, Rouen and Indian Runner Ducks at \$2 per setting. Also Bronze Turkey eggs at \$2.00 per 9. Every breeder a winner. Order from this ad.

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Pedigree bred ten years.
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sale. Fine circular illustrated
from life.

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Manufactured by **H. TURNER**
& Co., 2026 Harvard St., Chicago, Ill.  Sure Lock.

1906.

- Jan. 1-4—Wallingford, Conn. Nichols, Card, judges; William J. Hogan, secretary.
Jan. 1-5—Jackson, Mo. Rhodes, judge; C. Behrens, secretary.
Jan. 1-6—Elgin, Ill. McClave, judge; M. E. Meredith, secretary, 631 Congress St.
Jan. 1-6—Montpelier, Ind. S. B. Lane, judge; L. L. Howard, secretary.
Jan. 1-6—Hamilton, Ohio. I. K. Felch, judge; A. W. C. Hoffman, secretary.
Jan. 1-6—Goshen, Ind. Ellison, Mullineux, judges; J. A. Zollinger, secretary.
Jan. 1-6—Palestine, Ill. Theodore Hewes, judge; O. H. Smith, secretary, Eaton, Ill.
Jan. 1-6—El Reno, Okla. C. A. Emry, judge; V. B. Allee, secretary.
Jan. 1-6—Nashville, Tenn. Marshall, Brown, judges; John A. Murkin, Jr., secretary.
Jan. 1-7—Russiaville, Ind. J. C. Long, judge; A. J. Biesecker, secretary.
Jan. 2-4—Greenfield, Iowa. Pedrick, judge; Mrs. S. E. Alley, secretary.
Jan. 2-4—Thompson, Iowa. Todd, judge; E. R. Alquist, secretary.
Jan. 2-5—Waxahachie, Tex. A. B. Shaner, judge; C. T. Spaulding, secretary.
Jan. 2-5—Austin, Minn. W. G. Warnock, judge; J. S. Wood, secretary.
Jan. 2-6—Leipsic, Ohio. T. E. Orr, judge; H. S. Enck, secretary.
Jan. 2-6—New York, N. Y. H. V. Crawford, secretary, Montclair, N. J.
Jan. 2-5—Lynn, Mass. Shove, Flanders, Watson, Atherton, judges; Charles E. Hunt, secretary.
Jan. 2-6—Olney, Ill. D. T. Heimlich, judge; E. E. Dalton, secretary.
Jan. 2-6—Storm Lake, Iowa. Shellabarger, judge; D. J. Willett, secretary.
Jan. 2-7—South Omaha, Neb. A. Thompson, judge; William H. Sloane, secretary.
Jan. 2-7—Danville, Ill. Russell, Tucker, Heck, Pierce, Heyl, Joos, judges so far selected; O. L. McCord, secretary.
Jan. 2-8—Adrian, Mich. Tucker, Mullinix, judges; J. E. Holyoke, secretary.
Jan. 3-6—Point Marion, Pa. Wick Hathaway, judge; H. C. Davis, Van Voorhis, W. Va., secretary.
Jan. 3-6—Cambridge, Ohio. D. J. Lambert, judge; James C. Sarchet, 231 N. Eighth St., secretary.
Jan. 3-8—Lima, Ohio. E. Helser, secretary.
Jan. 5-6—Ripley, W. Va. Phil Feil, judge; H. W. Deem, president.
Jan. 5-6—Zion City, Ill. C. L. Greer, secretary.
Jan. 5-6—Oakland, Ill. D. T. Heimlich, judge; V. W. Annin, secretary.
Jan. 6-12—Detroit, Mich. Heck, Tucker, judges; John R. Wood, 69 Larned St. E., secretary.
Jan. 8-12—Sioux Falls, S. D. Holden, judge; Stacy S. Metcalf, secretary.
Jan. 8-12—Maitoon, Ill. T. M. Campbell, judge; C. L. Carney, secretary, Charleston, Ill.
Jan. 8-13—Monmouth, Ill. Chas. McClave, judge; S. L. Hamilton, secretary.
Jan. 8-12—Ann Arbor, Mich. Tucker, Hewes, judges; George R. Cooper, 1118 E. Ann St., secretary.
Jan. 8-12—Minonk, Ill. George A. Heyl, judge; R. H. Parks, secretary, Benson, Ill.
Jan. 8-12—Augusta, Ga. S. T. Lea, judge; J. W. Killingsworth, secretary.
Jan. 8-13—Polo, Ill. A. B. Shaner, judge; J. A. Davisou, secretary.
Jan. 8-13—Evansville, Ind. W. C. Pierce, R. H. Young, judges; H. J. Reimer, 113 Heinlein Ave., secretary.
Jan. 8-13—Denver, Colo. Russell, Rhodes, judges; Fred H. Hunt, secretary.
Jan. 8-13—Rochester, N. Y. Delano, Quilhot, Janson, judges; Geo. J. Keller, secretary, 723 Mt. Hope Ave.
Jan. 8-14—Earlham, Iowa. Pedrick, judge; F. Bilderback, secretary.
Jan. 8-14—Chilton, Wis. Ben S. Myers, judge; A. Stransky, secretary.
Jan. 8-15—Los Angeles, Cal. Mrs. O. H. Burbridge, 2080 West Adams street, secretary.
Jan. 9-11—Sebring, Ohio. Ira C. Keller, judge; M. J. Stevens, secretary.
Jan. 9-12—Peterboro, N. H. F. G. Field, secretary.
Jan. 9-13—Greenfield, Ohio. Sites, judge; C. S. Parrett, secretary.
Jan. 9-13—Topeka, Kan. D. T. Heimlich, judge; J. W. T. Hughes, secretary.
Jan. 9-12—Middletown, Conn. W. J. Keiff, secretary.
Jan. 9-12—Oak Harbor, Ohio. Yant, Mullinix, judges; L. L. Carstensen, secretary.
Jan. 9-12—Dallas, Tex. Brown, Knebel, Purdy, judges; E. Beeman, secretary.
Jan. 9-13—Lake Geneva, Wis. F. Heck, judge; F. M. Higgins, secretary.
Jan. 9-13—Naperville, Ill. D. J. Lambert, judge; E. M. Schwartz, secretary.
Jan. 9-13—Findlay, Ohio. Phil. Feil, judge; Clark Parker, secretary.
Jan. 9-13—Enid, Okla. J. W. Hitchcock, judge; I. W. Scherich, 1723 Monroe St., secretary.
Jan. 9-15—Portland, Ore. Browning, Dixon, Wilkinson, judges. J. C. Murray, secretary, E. 14th and Wygant St.
Jan. 10-12—Fulton, Mo. Emry, judge; F. M. Hereford, president.
Jan. 10-13—Chattanooga, Tenn. W. F. Murray, secretary.
Jan. 10-13—Montpelier, Ohio. McCord, judge; J. C. Storrer, secretary.
Jan. 10-13—Tiffin, Ohio. Charles McClave, judge; V. Crabtree, secretary.
Jan. 10-13—Newcomerstown, Ohio. Theodore Hewes, judge; Frank D. Mulvane, secretary.
Jan. 10-16—Bloomington, Ill. W. C. Pierce, judge; J. H. Rader, secretary, 602 N. Center St.
Jan. 10-16—Tipton, Ind. J. C. Long, judge; John Langan, secretary.
Jan. 11-13—Sharon, Pa. Bicknell, judge; John S. Leslie, secretary.
Jan. 12-16—Allegan, Mich. W. H. Warner, secretary.
Jan. 15-20—Martinsville, Ind. Myers, judge; C. O. Abbott, secretary.
Jan. 15-20—Pontiac, Mich. D. Thomas, secretary.
Jan. 15-20—Lincoln, Neb. Russell, Ellison, Southard, Larson, judges; L. P. Ludden, secretary.
Jan. 15-20—Canton, Ill. D. T. Heimlich, judge; Leigh Harris, secretary.
Jan. 15-20—Delavan, Wis. Tucker and Johnston, judges; W. E. Pfeffer, secretary.
Jan. 15-20—Portland, Ind. S. B. Lane, judge; Charles McFarland, secretary.
Jan. 15-20—St. Joseph, Mo. Thompson, Rhodes, judges; E. L. McDonald, secretary.
Jan. 15-20—Oshkosh, Wis. Charles McClave, judge; Frank W. Radford, secretary.
Jan. 15-20—Rockford, Ill. F. Heck, judge; Charles S. Gilbert, secretary.
Jan. 15-20—Dubuque, Iowa. Shaner, judge; W. Bullen, secretary.
Jan. 16-19—Nunda, Ill. A. B. Shaner, judge; George H. Prickett, secretary.
Jan. 16-19—Dalton, Mass. I. K. Felch, judge; William H. Griswald, secretary.
Jan. 16-19—Fostoria, Ohio. Eugene Sites, judge; Charles Mann, secretary.
Jan. 16-20—Cincinnati, Ohio. Rigg, Hewes, Orr, Shepherd, judges; Thomas J. Foy, secretary.
Jan. 16-20—Charlotte, N. C. H. P. Schwab, judge; W. B. Alexander, secretary.
Jan. 17-24—Frankfort, Ind. Myers, judge; John K. Pence, secretary.
Jan. 18-22—Auburn, N. Y. Stanton, Quilhot, Webb, Riddell, Hallenbeck, King, judges; J. H. Scott, secretary.
Jan. 19-23—Albert Lea, Minn. Charles McClave, judge; R. B. Thompson, secretary.
Jan. 22-25—Salamanca, N. Y. C. H. Miller, secretary.
Jan. 22-26—LaCrosse, Wis. Theodore Hewes, judge; Henry J. Hahn, secretary.
Jan. 22-27—Chicago, Ill. Fred L. Kimmey, secretary, Room 520, 325 Dearborn St.
Jan. 22-27—Sheldon, Ill. McCord, judge; C. L. Butler, secretary.
Jan. 22-27—Springfield, Ohio. J. H. Schaefer, secretary, 35 Gotwald Bldg.
Jan. 22-27—Huron, S. D. A. B. Shaner, judge; E. M. Thomas, secretary.
Jan. 22-28—Milwaukee, Wis. W. S. Russell, G. D. Holden, judges; C. G. Loeber, 1717 Walnut street, secretary.
Jan. 23-25—Charleston, W. Va. Sites, judge; G. C. Starcher, secretary, Berlin, W. Va.
Jan. 23-29—Saginaw, Mich. Tucker, judge; Ed Foehl, secretary.
Jan. 23-30—Minneapolis, Minn. Geo. A. Loth, secretary.
Jan. 24-26—Pittsfield, Mass. R. T. Kent, secretary.
Jan. 24-27—Angola, Ind. Laue, judge; W. K. Sheffer, secretary.
Jan. 25-29—Mooreville, Ind. Charles McClave, judge; C. L. Hallam, secretary.
Jan. 26—Rochelle, Ill. Chas. McClave, judge; Geo. W. Guest, secretary.
Jan. 26-Feb. 3—Kankakee, Ill. Butterfield, judge; E. P. Vining, secretary, Hospital, Ill.
Jan. 27-Feb. 1—Detroit, Mich. Butterfield, Tucker, Bloss, judges; Geo. Renton, secretary.

POULTRY SHOW DATES - CONTINUED.

Jan. 29-Feb. 3—Cleveland, Ohio. McClave, Hewes, Orr, Sites, Rigg, Donkin, judges; F. L. Grueth, 1922 Woodland Ave., secretary.
 Jan. 29-Feb. 3—Oklahoma, Okla. M. S. Fite, judge; T. E. Shaw, secretary.
 Jan. 30-Feb. 3—Mitchell, S. D. W. S. Russell, W. C. Ellison, judges; William Scallin, secretary.
 Jan. 30-Feb. 3—Schenectady, N. Y. I. L. Whitmyre, secretary.
 Jan. 31-Feb. 3—Columbia City, Ind. Tucker, judge; W. F. Kossman, secretary.
 Jan. 31-Feb. 3—Cresco, Iowa. George D. Holden, judge; John M. Davis, secretary.
 Jan. 31-Feb. 3—Hudson, Mich. Tucker, Boles, Mulinix, judges; L. S. Brown, secretary.
 Jan. 31-Feb. 5—Toledo, Ohio. Hewes, McClave, Myers, Shepard, Mulinix, Stanfield, judges; Alva T. Baker, 1723 Summit St., secretary.
 Feb. 1-6—Canton, Ohio. C. P. Bruce, secretary.
 Feb. 1-7—Dayton, Ohio. C. C. Davidson, secretary.
 Feb. 4-10—Indianapolis, Ind. Burgott, McCord, Tucker, Myers, Lane, Lanus, Pierce, Hewes, judges; E. A. Pierce, secretary.
 Feb. 5-10—Walla Walla, Wash. McClave, judge; J. A. Levy, secretary.
 Feb. 5-11—St. Paul, Minn. Russell, Ellison, judges; H. J. Goettler, secretary.
 Feb. 5-11—Shelby, Ohio. Phil Feil, judge; W. O. Smith, secretary.
 Feb. 8-10—Johnstown, Pa. Bicknell, judge; J. W. Wirt, secretary.
 Feb. 14-18—Norwalk, Ohio. McClave, judge; T. P. Kellogg, secretary.
 Feb. 15-20—Dubuque, Iowa. A. B. Shaner, judge; C. H. Gregoire, secretary.
 Feb. 19-24—Pittsburg, Pa. McClave, Butterfield, George O. Brown, judges of poultry; G. F. Erbe, A. J. Edwards, judges of pigeons; G. C. Sutch, 4 Lydia St., secretary; J. M. Skiles, superintendent.

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Buff and Barred Plymouth Rocks, Partridge Cochins, Light Brahmas, Embden Geese and Pekin Ducks. Catalogue free.

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The noted New York Madison Square Garden winners. Will spare a few fine exhibition cocks and hens now in fine feather. March and April chicks fit for the early shows. Circular free.

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Everything for the Poultryman

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Ohio Strain Leghorns exclusively. Choice breeding and exhibition stock for sale. Breeders at \$1.50 to \$3 each. Exhibition birds at \$5 to \$8 each. Get my free circular for testimonials and guarantee.

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White Wyandottes and Pekin Ducks

Greatest competition White Wyandottes and Pekin Ducks, winners in the greatest competition in the world; World's Fair champions; 1, 3, 6 and 7 on young Pekin hens; 2, 3 and 7 young drakes, 3, 5 old drakes and 4 old hen. Won 6th and special on cock in White Wyandottes, and I have the best in the world in my breeding pens for 1905. 1st cock, 3d cockerel, 1, 2 and 4 pullets and eight more pullets, sisters to the prize winners and a brother to the 3d prize cockerel.

Illinois State Fair, 1st, 2d and 3d on Pekin Ducks. No White Wyandottes were shown. St. Louis Fanciers' Association, Dec., 1903, won 1st breeding pen, 1st pullet and 3d cock in White Wyandottes and special for best pullet. Chicago National Fanciers' and Breeders' Association, 1905, won 1, 4 pullets, 1, 5 hen, 1, 3d chl., 2, 5 cock and three specials for best shape and silver cup for the whitest bird in the show room on White Wyandottes. Pekin Ducks 1, 2 cock, 1, 2 hen, 1, 2 cockerel, 1, 2 pullet. Choice cockerels and Pekin drakes for sale. Write for prices.

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COLORADO ALFALFA MEAL

Milled in Colorado—Free from Adulterations—Especially put up for Steinmesch Feed and Poultry Supply Co., St. Louis, Mo.

THE VALUE of Alfalfa as a feed was not generally known until Mr. F. A. Coburn, Secretary of the Kansas State Board of Agriculture, recommended it very highly. The Chemical Division of the Canada Experiment Station at Ottawa; the Agricultural Experiment Station of Minnesota; and a number of Agricultural Colleges took it up and gave it a more thorough test, not only in analyzing same, but also in actually feeding it to cattle, swine and poultry. These tests showed that Alfalfa was very rich in Protein—about 17 per cent against only 13 per cent in Red Clover. In the practical test of feeding it assisted in the digestion of all concentrated feed and in the feeding of poultry it promoted health, vigor and fertility of eggs. Our own experience showed that it gave us grass conditions whenever we used Alfalfa Meal, and this in our opinion is the strongest argument in its use for poultry. It is inexpensive because it is bulky—100 lbs. will measure out 6 bu. dry measure.

Ask for STEINMESCH WINTERGREEN ALFALFA MEAL. Price 100-lbs., \$2 Price 500-lbs., \$8.50. The finest Alfalfa Meal made. Sample free.

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We have 250 birds, the best we ever raised. Will be ready for early shows. Our strains of these two varieties come from the strongest blood lines on earth. Stock for sale at all times. Write for prices. Satisfaction guaranteed.

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CLIMAX.—Stay on kind. Millions in use. Always popular. Postpaid: 12, 15c; 25, 30c; 50, 45c; 100, 75c; 250, \$1.75; 500, \$3.25; 1000, \$6.00.

SMITH SEALED.—Official Bands of Pan-American and St. Louis Expositions. Used by best breeders everywhere. 12, 30c; 25, 50c; 60, \$1.00; 100, \$1.50; 250, \$3.50; 500, \$6.50; 1000, \$12.50.

DOUBLE CLINCH.—Best made and most popular flat band on the market. Gives universal satisfaction. Same prices as Eclipse.

ECLIPSE.—A favorite because it's easy to put on and stays on. 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, \$1.50; 500, \$2.75; 1000, \$5.25.

Send stamp for samples and our new Catalog of Leg Bands & other specialties.

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SEABOARD AIR LINE RAILWAY

Questions and Answers

Questions asked by subscribers will be answered in this department.

All communications for this department must bear the signature of the writer, otherwise they will not be answered. In publishing questions we use only the initials.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer the following question through your POULTRY JOURNAL.

I have some Leghorn, Plymouth Rock and Minorcas chickens, four and five months old. They had a kind of hard yellow skin or sore in the corner of mouth, on and under part of tongue. I pulled skiu off and put on vaseline. Some would be just as bad in a few days. A few were so bad they died, but rest got all right. Please be kind enough to tell me what the trouble was and remedy for same. T. F. M.

Charleston, S. C.

Answer.—Your chickens had canker. This is brought on by a cold. The use of coppers in the drinking water is both a preventive and cure for this disease. There are also several good remedies advertised in these columns.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer through your "questions and answers" department, Should turkeys hatched from eggs from Standard bred Mammoth Bronze Turkeys have streaks and splashes of white on their wing feathers? The turkeys are a late hatch, latter part of June, and are just now getting their second feathers. Lima, Ind. Mrs. C. B. T.

Answer.—The wing of a Bronze Turkey should be evenly barred with parallel bars of black and white. See description in new Standard of Perfection.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Kindly answer in the JOURNAL under "Questions and Answers" the following: Several of my Leghorn hens have commenced to make a noise between a sneeze and a cough, shaking their head when doing so. They wheeze and sound like an asthmatic person breathing. At night they sound as if they were snoring. Heads do not swell. Have no discharge from nose or eyes. Occasionally mouth is full of a slimy substance like saliva. I have fed them on onions and dosed with coal oil, and sulphur and lard, but with no success. They do not act sick, eat well and scratch and hunt for food and sing in between their sneezing spells. What is the matter and the remedy? I feed boiled vegetables made into a mash with shorts and bran in the morning and wheat, oats, peas, beans or sunflower seed at night. They have free range now. 2. I had a large three-year-old hen die the other day. Sick about two weeks. Just stood around and moped. Would not come to eat when I fed the other hens. I cooped her up with some other hens for two days, intending to sell, but as the price of chickens was low I turned them loose again. At that time she seemed in perfect health and weighed

five pounds. Two days afterwards she commenced to mope. I cut her open after death and found the liver very large and small white spots the size of a pin all over it. The heart was very small; no larger than that of a young fry. The gizzard was full of oats and only one stone in it; the crop full of oats and wild seed; the bowels entirely empty, and on cutting her open she seemed full of yellowish water and no blood. What was the matter? 3. Last spring we found a Brown Leghorn hen dead on the nest. Upon opening her found her bowels inflated with wind. Near the vent the bowel was all red or inflamed. No eggs except small ones and one which would not be ready for a couple of days. All other organs in good condition. Can you tell what caused her death? She was perfectly well the day before or seemed so at least. M. R. S.

Snohomish, Wash.

Answer.—1. The symptoms given are those of a cold which has settled in the bronchial tubes and the wheezing sound is caused by mucous gathering along the air passages. Place the affected birds in a dry and reasonably warm place. Give soft and cooling food, such as stale bread, or a mixture of bran and middlings, moistened with milk. Inhalation of steam or vapor from boiling water in which hops or a small quantity of carbolic acid or creoline has been placed is very beneficial. Give with the food two grains of black antimony twice a day. Honey or gum arabic may be added to the drinking water with advantage. 2. Congestion of the liver. The symptoms of this disease are so obscure that it is very difficult to detect it until the disease is so far advanced that medicine will do no good. If the disease is suspected in time for treatment give sulphate of magnesium or sulphate of sodium in a purgative dose (20 grains to dram) and follow with sulphate of magnesium, 10 grains, and bicarbonate of soda, 2 grains, repeated daily for a week. The disease should be prevented by proper feeding and regular exercise. 3. Apoplexy.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: As I have just received my first copy of your paper I would like to ask a few questions, as I am a new beginner in hatching in an incubator: 1st, Why do my little chicks come out of the shell before they absorb the yolk? They seem to be too wet. Why do so many die in shell after they are nearly grown? 2d, Can some one give me a cure for gapes in young chicks? Fayetteville, Ark. Mrs. J. C.

Answer.—Too much heat and a lack of cooling down. During warm weather eggs should be cooled for at least a half hour each day after the eighth or ninth day. The chick must have fresh air and no way can this be supplied so well by taking the eggs out of the machine each day and allowing them to cool for from

Poultry Supplies

Whatever you need to make more money out of your poultry, you can get from us. Chick Manna Roup Cures Incubators Egg Producers Lice Killers Brooders Our free Illustrated Poultry Supply Book gives full information about these and other helps. JOHNSON & STOKES Dept X 217-219 Market Street, Philadelphia

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Best quality. Good bear-ers. Low prices. Apple 12c; Plum and Cherry 12c; Peach 4c; all budded; Concord Grapes 2c; Forest Tree Seed. 1000 up.
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Carl Sonderegger, Prop. Tested seed s e e d s very cheap. Freight paid on trees. Catalogue, English or German, free. Write for it today. Address **GERMAN NURSERIES**, Box 14 Beatrice, Neb.

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Whitewash your poultry houses and stables easily, rapidly, with the "Lightning" Whitewash Sprayer. Kills lice and vermin. Can't clog. Also for spraying trees, washing wagons, etc. Double action pump. Sprays 30 ft. high. Has 3 1/2 ft. heavy hose, extension rod, brass nozzle, steel stirrup, ball valves. All brass, \$3.50; Galvanized Iron, \$2.50. Cash with order. Exp. paid. Agents wanted. **D. B. SMITH & CO., UTICA, N. Y.**



When you can just as well save money, what's the use of going to needless expense and doing twice as much work as is necessary to get the same and even better results? The best grit for fowls is that which is not only used in the grinding process but which also contains material that can be assimilated by the bird's system and used in nourishing and strengthening the bodily organism.

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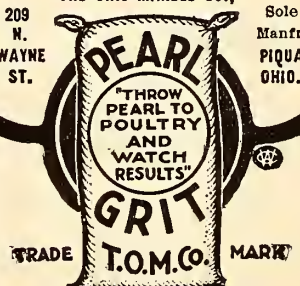
grinds and grinds well—it's a true grit. It grinds to the very last particle—always sharp. It also combines all the essential qualities of shells and grit. No other shell-making material is needed when you feed Pearl Grit to poultry. It contains 60 per cent Calcium Carbonate (lime), 14 per cent of Magnesium, and Iron, Silicon, Sulphur, Aluminum Oxides and other properties which make it an ideal article for the poultryman.

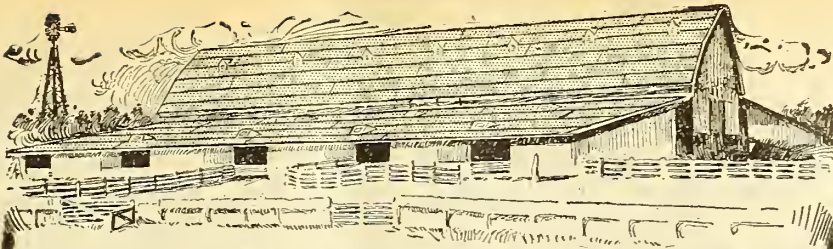
It builds up the system; makes strong, prolific fowls and healthy young chicks. It is clean—white—has no dust and no waste. Guaranteed to do just as we say. We'll prove our claims by actual tests, chemical analyses and the testimony of those who use it. A fair trial will convince you that Pearl Grit is the best and most economical grit the poultryman can use. Write for prices. Do it now.

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Cash Prize Money

Have you made application to enter the great *International Egg-Laying Contest* yet? If not, you are delaying an opportunity to win a nice cash prize and at the same time gain a great deal of valuable experience in feeding to increase your egg supply. The object of this contest is to demonstrate, by a series of systematic tests, to what extent it is possible to make hens lay more eggs by feeding "*International Poultry Food*"—a well-known egg-making food of great efficiency. Remember these cash prizes are \$1.00 per hen fed

100 HENS—100 DOLLARS

and will be awarded to two classes—to boys and girls under 17 years, and to adults. Some remarkable increases in egg results from feeding "*International Poultry Food*" have been reported to us, but we desire to get tangible evidence from a series of competitive tests under conditions as they are found on the farm, and are willing to pay well for your help in this Contest. Remember we have said that one extra egg per hen per month will more than repay the

Doubled the Egg Production

"I bought a package of *International Poultry Food* of my dealer and since using it we get almost twice as many eggs." Henry Frich, Clayton, O.

cost of feeding "*International Poultry Food*." If it will increase your supply 10 extra eggs a month, 9 of them will be clear profit—108 eggs a year per hen clear profit without a cent of cost or a bit of extra labor. "*International Poultry Food*" is prepared from powdered roots, herbs and seeds, and is a safe medicinal preparation to mix in small amounts with regular feed. It purifies the blood, stimulates the egg-producing organs, and insures healthy chickens. We guarantee results and refund money if "*Food*" doesn't make good our claims. Write for entry blank, full information how to win these prizes and free book, "*Money in Poultry*." Boys and girls, men and women, this is an opportunity not to be neglected, so write today. When you write mention this paper, we will send free a beautiful picture in 6 colors of the famous *Fisher \$500 Rooster*. Address *Poultry Dept., International Stock Food Co., Minneapolis, Minn., U. S. A.* Also Toronto, Can.

"International Louse Killer"

is put up in a round sifting box.

"International Louse Killer"

Easy to use and a perfectly safe powder.

15 to 30 minutes. 2d. There are a number of cures for gapes advertised in these columns ever season, and same can be procured from any poultry supply house.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please answer the following in your next number. Wouldn't a cross between a White Plymouth Rock male and White Leghorn females, make a good fowl for laying and market use?

Cornell, Ill.

M. S. W.

Answer—We do not advocate the crossing of these two varieties, as you would get a bird of inferior quality for both market and eggs.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Will you please answer through your paper if White Wyandotte cockerels caponized would make good capons for the market or is the Barred Rock only preferable?

E. S.

Kewaunee, Wis.

Answer.—White Wyandotte cockerels make good capons.

Editor AMERICAN POULTRY JOURNAL.

Find enclosed sample of some buckwheat. Kindly advise me through the columns of your paper if the same is all right to feed hens; and if so, how much should be fed them and how often?

Cumberland, Md.

Answer.—Buckwheat like samples submitted will make good feed for hens. A small handful to each bird, three times a week.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please tell me in the next issue of your POULTRY JOURNAL what ails my ducks. They were hatched on June 18. They did finely until about grown, then would find one or two that would be unable to walk; would get up and start to run and fall down; some would die right away, others revive and apparently recover, have lost 10 out of the 18. Have fed oats, wheat and cracked corn. Would the drakes be the cause of the trouble? 2. How can drakes be distinguished from ducks? Am very anxious to find the cause of this trouble, also the remedy. 3. Should S. C. Rhode Island Red hens show black feathers in tail or what are the points in pure blood R. R. hens?

W. R. S.

Middlebury Ind.

Answer.—1. The trouble with your ducks, beyond doubt, is overfeeding, or feeding too much grain, which brings on apoplexy. Feed your ducks a mash and plenty of vegetable matter. An exclusive diet of whole grain is not good for ducks. 2. It is the duck that goes "Quack, quack!" The drake makes a low, whistling noise, but never quacks. The drake also has two small feathers on the back, just in front of the tail, that curl up. Ducks do not have these feathers. 3. The tail of a S. C. Rhode Island Red hen should be black, except two top feathers, which may be edged with red. The new Standard of Perfection will give you the desired information and description. Price, including one year's subscription to AMERICAN POULTRY JOURNAL, \$1.50. Sent on receipt of your order.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please tell me what is the matter with my Light Brahma rooster. On damp days he puts his tail down between his legs. Has a good appetite; his legs seem to be strong. Once in

a while a little green matter comes out of his nose. Please tell me what is the matter and give remedy. D. C. M.
Dryden, Mich.

Answer.—It is probable that the strain of putting on new feathers has been too severe on him. Put him in a coop by himself and feed him a little meat three or four times a week; also feed him plenty of nourishing food and give milk to drink.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Will you kindly tell me in your "Question and Answer" department whether Buckeye is the standard name for the American Reds. We understood they were admitted to the Standard, but only find the Rhode Island Reds. C. W. C.

Waterville, Minn.

Answer.—No. The Buckeyes are a distinct variety. Neither the American Reds nor the Rose Comb Rhode Island Reds are in the new Standard. This matter will probably be settled at the coming American Poultry Association meeting at Cincinnati.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Can you tell me what was wrong with a White Leghorn cock that I purchased last winter? He has never seemed as bright as he should and about a month ago he began to go blind so that he could not find his feed unless it was in some vessel. I fed him regular, but he just wasted away, although he seemed to eat lots, too, and finally died. His comb and wattles were perfectly colorless. I also have another young cockerel that seems to have some-

thing in his windpipe. I took a feather and swabbed its windpipe with kerosene and got a bloody discharge on the feather. C. F. G.

Lewellen, Neb.

Answer.—This is what is known among poultrymen as "going light," but is consumption in its worst form, and as there is no cure for it the bird should be killed and the body burned, and the premises thoroughly disinfected with a strong solution of carbolic acid. You do not give enough detail about your young cockerel.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Will you please answer in your next issue the following? I have of late found several very small eggs in the nests. What is the cause of this? Are they pullet eggs or not? Kirk, Colo.

Mrs. J. E. A.

Answer.—These may be pullet eggs or they may not. Very frequently the last egg that a hen lays in the fall is very small.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer the following: We recently lost a hen that was in good order, seemed well when she went to roost, but very soon began to gasp and fell dead. We brought her to the shed and there over a half pint of water run from her mouth. Please tell me what the trouble was. I wish I could see more in the POULTRY JOURNAL about turkeys. In raising little turkeys is where we have trouble. After they are three or four weeks old they begin to dump. The white of the dropping keeps getting yellow until it is orange color; the rest

of the droppings seems healthy until the last stage, when there isn't much but the yellow. They die in terrible distress, judging from the shape they draw themselves into. I would like to know of a preventive and cure. Miss N. A. L.

Cory, Pa.

Answer: Unless we have more details in regard to the appearance of the intestines of the hen it will be impossible for us to give an intelligent answer as to the cause of the death of this fowl.

In regard to turkeys, see answer to Mr. D. M. W.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: I have four geese which are now about five months old and I cannot ascertain which are male birds and which are females. Please advise me how to distinguish them. F. L. B.

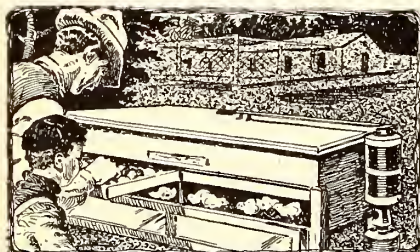
Grace Dale, Pa.

Answer.—See answer to E. L. C. in this issue.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Please answer in POULTRY JOURNAL the following questions:

I had my chickens on a farm with a small flock of other chickens, among which were two barred P. Rock roosters. One had scaly leg quite bad and the young chicks run with the old ones. Some of the young chicks' feet would get sore and look like blisters, and their heads, also the top of the bill, would look like a blister when first sore, then as they healed the shell of the bill would come off, and after the feet get well the toes seem to turn up. What was it? Was it from the scaly leg? The chickens had a clean house and dry run.



THE

American Incubator

is the hatcher you want because it is built to hatch more and stronger chicks than any other machine made. We have no fine spun theories to tell you about, no marvelous inventions—nothing but simple, practical hatching features. Your one aim is

PROFITABLE RESULTS

and we guarantee that you can get these results quicker, easier and with more certainty with an American Incubator than any other machine.

Because it keeps the eggs that are put into it just at the right temperature all the time, day and night, week after week. It can do that because it has the best lamp and heating system ever devised. It has five thicknesses of wall so that no heat can escape and it has an automatic regulator that really does regulate. It has the only ventilating system that supplies the egg chamber with fresh air constantly without cooling the eggs.

Sold at Lowest Prices on 90 DAYS FREE TRIAL

because we know that it will more than fulfil our claims. Construction, material and workmanship, all illustrated and described in our

LARGE FREE CATALOGUE.

Sent postpaid on request. It is full of just the information you need to succeed. It lists our complete line of poultry supplies.

AMERICAN INCUBATOR COMPANY,
10 Mrs. St., Freeport, Illinois.



To Raise Chicks for Profit

get right down to a business basis at the start and buy the incubator that will give you the best returns for your money.

Don't be influenced by theory, don't consider appearances, don't look to anything but Results. The all important thing is to get the machine that you can control, that you can depend upon in the way of keeping the temperature in the egg chamber at exactly the correct point, not too hot or too cold. And see that ample provision has been made for thorough ventilation along natural, common sense lines.

You can't fail to succeed if your machine is right in these two features.

The same principles apply to brooders, only more. In a brooder you've got to consider roominess and cleanliness as well as heat and ventilation.

Read the description of the American Incubators and Brooders on either side of this column. Notice the experience that has been put into them. Above all things, notice the guarantee that goes with them, which is backed by the great factory and all the capital of the manufacturers. That protects you against loss, disappointment, discouragement. Now, from a businesslike standpoint, looking at it from a dollars and cents point of view: can you afford to speculate or experiment when an absolute certainty like this offer comes your way? We leave it to your good judgment.

Send for the book which will put you on the right track regarding all poultry matters. It is sent free, postpaid, to all those interested.



The American Brooder

Raising the chicks you hatch is where the big end of the profit lies. Put them in an American Brooder and raise them all. It is guaranteed to raise a larger per cent of strong, vigorous chicks than any other brooder and you can be the judge.

Sold on

90 DAYS TRIAL,

and if it is not perfectly heated, regulated, ventilated, roomy, convenient and economical of fuel, send it back and get your money. It is heated by hot air, the only natural, safe way and the heat circulates from the top down to the chicks as nature intended. No crowding, no tramping. Two compartments—a hatching and exercising room. Opens from the top, easy to clean and proof against dampness and vermin.

American Incubators and Brooders grew out of 30 years of practical experience in hatching and raising thoroughbred poultry. We are still in the poultry business, operating the largest thoroughbred poultry plant in the country.

Send for free catalog of incubators, brooders and thoroughbred fowls and eggs, illustrating and describing everything the poultry raiser needs at very lowest prices.

AMERICAN INCUBATOR COMPANY,
10 Mrs. St., Freeport, Illinois.



2. Is there anything to feed poultry so they will moult faster? Mine are very slow. If so, what is good for them?

3. Have three hens that are moulting and they make kind of a choking noise; eat well and look well. Is it roup and what is good for them? MRS. G. L.

Cliff, Colo.

Answer:—1. From the description given we are of the opinion that your chicks are suffering from a mild form of scabie. This is usually brought about by filthy quarters and improper feeding, not necessarily in your hands but at some former time. The parent stock have inherited this disease and it is now showing in the young stock. Fowls that have been afflicted with this disease should not be bred from, but disposed of in some manner so that the disease will not be carried into other flocks.

2. By feeding liberally on sunflower seed the molting process will be greatly hastened.

3. Read answer to M. R. S. in this issue.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please advise me what are the best breeds of chickens to buy for laying? H. P. S.

Easton, Md.

Answer: Any of the non-setting varieties are the best for laying purposes, such as the Leghorns, Minorcas, Hamburgs, etc.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer the following questions in your next issue? What is the disease that has attacked my turkeys and what is the remedy for same? They begin to droop around for

two or three days, will eat the first few days, then they refuse to eat. They get weak and very thin in flesh and droppings are a thin yellow; some of them live more than a week. I do not think they are lousy; do not feed them much only what they get in the fields.

Do you know anything about Turkey-Lene? Can you recommend it to be any good for them. Mr. D. M. W.

Shaftsbury, Mich.

Answer: Your turkeys are afflicted with what is known as Entero-Hepatitis or Black Head. The cause of this disease is a parasite which is taken into the digestive organs with the food or drink; and as the symptoms are not very pronounced in the first stage of the disease the fowls may be affected for some time before it is noticed. In the last stages of the disease there is a peculiar discoloration of the head, which has led to the popular designation of "Black Head."

There is no absolute cure for this disease, and the treatment must be principally of a hygienic and preventive nature. Where the disease has got a thorough footing, the roosting places, runs and feeding grounds must be thoroughly disinfected, and all stock upon the premises disposed of. For a disinfectant use a solution of carbolic acid five parts to one hundred parts of water. Where the disease has not been of long standing it would be well to try some of the following remedies:

Sulphur 5 to 10 grains; sulphate of iron 1 grain may be combined and given in one dose, or give benzonaphthol 1 grain, salicylate of bismuth 1 grain. Or give sulphur 10 grains, sulphate of iron 1 grain, sulphate of quinine 1 grain.

Hyposulphite of sodium may be used in doses of 2 to 4 grains, or betol in the dose of 1 grain. It is necessary that such remedies be repeated two or three times a day and continued for considerable time to obtain results.

We have had no personal experience with Turkey-Lene, but from reports we understand it is an excellent thing for turkeys.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir: Please tell me through your "Question and Answer" column how to determine sex in geese? And also whether full-blood Toulouse should show white-markings. E. L. C.

Bridgie, Minn.

Answer.—It is almost an impossibility to distinguish the sex in young geese. The voice of the female is coarse and the male has a thicker neck and a generally masculine appearance. The tip of the feathers of the tail should be white.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—What is the best book on diseases of poultry? What is the best cure for cholera? F. G. S.

Vicksburg, Miss.

Answer: One of the best books on diseases of poultry is that written by Dr. D. E. Salmon, entitled "The Diseases of Poultry," price of which is 50 cents, orders taken by us. You will find in this book a very thorough treatise on chicken cholera and all other diseases that fowls are heir to.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir:—Will you please answer in Question and Answer columns the fol-

A Rare Opportunity for Fanciers

Desiring to devote more time and space to the development and perfection of my strains of Leghorns I have decided to offer for sale my entire flocks of

Partridge Wyandottes

Silver Penciled Wyandottes

Including all breeding pens, pairs, trios and single birds—reserving none; and if either variety is sold to one purchaser will sell also the name and good will of the **Cornell-Brackenbury-Wyckoff Strains**. Sale will include all of my **World's Fair prize winners**, all recent winners at Madison Square Garden, New York State Fair, Trenton Inter-State Fair and Hagerstown, 1905 Shows. These birds have a **world wide reputation** back of them.

I prefer to sell the flocks intact and will not consider offers for less than entire flock of either variety before Dec. 20, 1905. After that date, if flocks are not sold, will sell single birds, pairs, pens, trios or any combination. No better opportunity was ever offered to the fancier for obtaining a national reputation in poultry from the outset.

E. G. WYCKOFF

Box 106 C, Ithaca, N. Y.

Big Sale of High-Class Exhibition Birds

I have succeeded in raising more good birds this season than ever before, and I can furnish winners for any kind of company, also line-bred breeding birds that will produce high-class youngsters. I have for sale something over 2000 Silver, Golden and White Wyandottes, G. S. and S. S. Bantams. No use to look for better, they don't grow them. If you only knew just how many of the BIG SHOW winners came from my yards each season you would then be convinced that

JONES, THE WYANDOTTE MAN

furnishes the foundation of more good flocks than any breeder IN THE WORLD. That is why my STRAIN is conceded

THE STRONGEST BLOOD LINES ON EARTH

No use for me to try to tell you here how many times they have won and at how many national shows. It would take half the pages of this journal, but send four cents in stamps for my handsome 36-page catalogue, printed in colors and containing many half-tones of the best Wyandottes that ever lived; full of valuable information on feed, care and how to mate for best results; a book worthy a place in any library. Don't fail to get a copy.

Imported and American Bred Scotch Collie Dogs
Three Blue Blooded Litters Now Ready to Ship

R. E. JONES, THE PINES

R. F. D. 5, PADUCAH, KY., U. S. A.

BUFF Plymouth ROCKS

THE GOLD MEDAL STRAIN—THE KIND THAT ALWAYS WIN

Winning at Michigan State Fair, Detroit, September 11-16, 1905, five 1sts and three 2ds, which shows that my birds are again in the lead. 2000 youngsters, some of the finest I ever raised, ready for shipment. Write your wants early and secure a good breeder or show bird. Good breeders \$2, \$3 and \$5 each. I also have all of my last season's winners, many of them will be among the winners this season. Among them are ten cocks, all winners; fifteen hens, all winners. Don't delay but order today. Satisfaction guaranteed. Booklet free on request. Show birds a specialty. Please mention this paper.

DEARBORN POULTRY YARDS

S. D. LAPHAM, Prop., Dearborn, Mich.

JAPANESE BANTAMS and SILKIES

I have a number of birds in Black Tailed, Black, White, Silver, Golden and variegated Japanese Bantams and Japanese Silkies that I will sell cheap during the next 30 days. They are bred from my World's Fair and Chicago winners, but I haven't house room for all of them, so am making bargain prices. Can sell you breeders or winners for the winter shows in any competition. State just what you want and I will give description and prices.

LONG TAILED JAPANESE YOKOHAMAS

A new and handsome Japanese fowl. Hardy and great layers. Tails of yearling cocks reach remarkable length of 3 to 5 feet. Saddle feathers reach the ground. Young pairs at only \$5, \$8, \$10 and \$15 per pair.

FRANK W. RADFORD, Box A, OSHKOSH, WIS.

OAK BLUFF LIGHT BRAHMAS & PARTRIDGE WYANDOTTES

Won at Cedar Rapids and Iowa State Fair in hot Competition

Light Brahmas at Cedar Rapids:—1st, 2d cocks, 1st, 4th hens, 1st, 2d cks., 1st, 2d, 4th pullets, 1st pen, sweepstakes cup. At Iowa State Fair, 1st cock, 1st, 2d hen, 1st, 2d ckl., 1st, 2d pullets, 1st pen of fowls, 1st pen of chicks.

Partridge Wyandottes at Cedar Rapids:—1st, 2d cocks, 2d, 3d, 4th hens, 1st, 2d, cks., 1st, 2d, 3d pullets, 1st pen, sweepstakes cup. At Iowa State Fair, 1st cock, 2d hen, 1st 2d cks., 1st, 2d pullets, 1st pen. I can furnish you fine exhibition stock and elegant breeders at moderate prices. Everything carefully pedigreed. Let me know what you want. I am sure I can please you.

Dr. N. E. Mighell

Oak Bluff, Ave. A, Marshalltown, Ia.

OAKES
MAKES THEM
HATCH

INCUBATOR and BROODER SUPPLIES FIXTURES and REPAIRS

Everything for building new incubators and brooders, or repairing old ones. Catalogue 10, general supplies. Catalogue 12, incubator plans and fixtures.

OAKES MFG. CO.

Box 6, Bloomington, Ind.

lowing: Will 40 acres of ground raise the necessary food and keep 400 hens and their increase, and two cows and a horse, besides growing fruit and some vegetables? M. E. N.

Cranberry Lake, N. Y.

Answer: This all depends on the man who has charge of the place. If he is a competent man and thoroughly understands his business he will have no trouble in growing enough grain for the stock mentioned.

POULTRY AND FARM BUILDING PLANS.

One of the best free books of the season is that offered by F. W. Bird & Son, East Walpole, Mass., manufacturers of Paroid Roofing. They will send to all those interested a book of complete plans for poultry and farm buildings, free of any charge, except a 2-cent stamp to cover postage.

Such plans as these are in great demand, and we know that many of our readers will want to take advantage of this opportunity and receive one of these books. It doesn't matter whether you intend to erect an elaborate building or just a simple poultry shed, you'll find in this book drawings that will give you valuable suggestions and substantial help. It is just as valuable as a guide to one who is going to remodel or add to a building also.

The object of this book is to attract attention to Paroid, the old reliable, ready roofing and siding that has come into such general use throughout the country by farmers and poultry raisers. The manufacturers are justly proud of the fact that Paroid is extensively used by the United States government on some of its experiment station buildings, stables, barracks and warehouses. Transportation companies are using it also because of its economy, durability and its being proof against sparks and cinders. These features strongly appeal to farmers, too, and in addition the fact that it contains no tar and will not taint rain water. Besides it is a very simple matter to lay it, as it comes in rolls, and each roll contains a complete roofing kit.

And, by the way, F. W. Bird & Son were the originators of this admirable plan of furnishing fixtures for applying roofing and siding in each roll.

But, to get back to the collection of building plans, we know that this is a book that every farmer and poultry raiser who is thinking of building ought to have, and we suggest that such of our readers write to F. W. Bird & Son, East Walpole, Mass., enclosing a 2-cent stamp and requesting that one be sent to them.

THAT LIGHTING QUESTION AGAIN.

As the days grow shorter and the evenings longer, the lighting question comes up again. Living, as most of our readers do, beyond the smoke line of the cities, out in God's country, gas and electricity are out of the question.

In fact, the farmer must choose between kerosene, gasoline and acetylene for light, and gasoline and acetylene have made such a record for danger and bother that we know our readers will be glad to hear of a kerosene lamp that combines practically all the best features of the gas and electric light and yet gives that soft, rich, restful quality of light for which kerosene oil is so justly famous.

This lamp, which is made by the Angle Manufacturing Company, 78-80 Murray street, New York, involves an entirely new principle of burning common kerosene which does away completely with the smoke, odor and bother of the old style lamp.

We should like to explain this principle here, but it would take rather too much space, and the Angle Manufacturing Company's catalogue, which will be sent free on request, explains it very much better than we could. But you will get a good idea of how entirely different the Angle lamp is from the ordinary kind from the fact that such people as ex-President Cleveland, the Cookes, Carnegies, Rockefellers and the editors and owners of the best farm papers use these lamps for lighting their homes and estates in preference to gas, electricity, gasoline, acetylene or any other system.

We would certainly advise our readers to communicate at once with the Angle Manufacturing Company, 70-80 Murray street, New York City.

J. C. FISCHEL & SONS NEW CATALOGUE.

J. C. Fischel & Son, of Hope, Ind., the White Wyandotte breeders, will send for two 2-cent stamps their new catalogue. This is beautifully illustrated and contains instructions how to feed and care for White Wyandottes, and is worth dollars to any one. When writing to them mention AMERICAN POULTRY JOURNAL and address J. C. Fischel & Son, Box J, Hope, Ind.

DARLING & CO. AT NEW YORK.

As will be noticed by their advertisement in this issue, Darling & Co., of Chicago, Ill., the pioneer Poultry Food and Supply manufacturers of the West, have established a factory in New York. This will enable them to handle more advantageously the trade they have already built up in the eastern and New England states. Their trade relations are already established. The Darling products have been selling on their known high quality, and the volume of sales in the East for the last two years has just about kept pace with those in the West. After all, it is not so much a matter of location, as of having the goods to deliver. The Darling people know the value of a good reputation. They acquired theirs while located at the Union Stock Yards, Chicago, where they had every sort of poultry food material at hand. They are a high minded, honorable concern, manufacturing only the highest grade goods it is possible to produce, and we commend them heartily to the notice of our readers.

Our readers are all familiar with the advertisement of the Page Woven Wire Fence Company, Adrian, Mich., and undoubtedly know that they claim to use a better quality of wire—a basic, open-hearth spring steel wire, having double the tensile strength of common fence wire of the same size, and not only a stronger but also a springier wire—a wire that makes good springs. This wire is known as Page Wire.

The Page Fence Company have just issued a souvenir edition of their house organ, the *Page Fence Age*, which gives a detailed, illustrated description of their process for manufacturing Page Wire and tells why it is stronger and springier. Every fence buyer should get a copy. It is free. Drop them a postal card asking for "A Trip Through Our Mills."

The Ouachita Valley Poultry Farm, Camden, Ark., report the grandest lot of young stock they have ever produced and all from noted prize winners. The show record made by birds from this farm is proof that they know how to produce the good ones, and a customer can depend on getting good results from stock furnished by this farm. Mr. Brown, the proprietor, has devoted considerable attention to increasing the good qualities of the Bronze turkey and has succeeded in producing some very choice specimens. Read their ad on the back cover page and write for further particulars. Mention AMERICAN POULTRY JOURNAL.

J. E. Holyoke, of Adrian, Mich., won at the Southern Michigan District Fair at Adrian, Mich., in September, as follows: Langshans, 1st and 3rd cock; 1st, 2nd, 3rd hen; 2nd, 3rd cockerel; 3rd pullet; 1st, 2nd, 3rd pen; 1st on display and special on display.

American Reds—3rd cock; 1st, 2nd hen; 2nd pullet; 1st pen; 2nd display and special on display. Also won display on Barred Rocks.

These were all large classes and the competition close.

M. I. Daggett Company, of Des Moines, Iowa, are breeders of O. I. C. swine. They are having a very nice trade, resulting from the fact that they treat one and all the very best they can. They report that business is good and their stock nearly always sold before it is old enough to ship. The testimonial letters that they receive show that their customers are fully satisfied.

John C. Plane, of Belvidere, Ill., the S. C. White Leghorn breeder, writes that he certainly has birds this year that are as good as they make; white as snow and fine large birds with combs small and fine. He expects to have some extra fine exhibition birds that will be winners.

F. C. Tabor, of Worcester, N. Y., has a change in his ad this month. He writes that he has a grand lot of Rose Comb Brown Leghorns for sale, bred from his 1st prize cock at Madison Square Garden last January.

THIRTY DAYS' SALE OF AMERICA'S BEST Golden and White Wyandottes

I will sell several hundred birds for this month only out of my this year's fine matings at greatly reduced prices. The Keller Strain is known the world over as the best. I won 36 premiums at the World's Fair. They have won heavy at Chicago and over 300 premiums at Madison Square Garden, N. Y., since 1890. They win in all the leading shows of the country. We have the finest lot of youngsters we ever raised, for showing and breeding at moderate prices. If you want the best remember Keller is the man to go to. Also Silver Wyandottes, Sebright Bantams and Belgian Hares. Large circular tells the rest.

IRA C. KELLER, BROOK SIDE FARM

Box 75, Prospect, Ohio



Barker's Light Brahmas

A clean sweep at the recent Illinois State Fair, winning 1st cock, 1st, 2d and 3d hen, 1st and 2d cockerel, 1st and 3d pullet and 1st and 2d pen. 300 fine breeding and exhibition birds for sale, with strong color, the true Brahma shape and good leg and toe feathering.

I. N. BARKER & SON

Box A, Thorntown, Ind.

WING PIANOS

Are Sold Direct From the Factory, and in No Other Way

You Save from \$75 to \$200

When you buy a Wing Piano, you buy at wholesale. You pay the actual cost of making it with only our wholesale profit added. When you buy a piano, as many still do—at retail—you pay the retail dealer's store rent and other expenses. You pay his profit and the commission or salary of the agents or salesmen he employs—all these on top of that the dealer himself has to pay to the manufacturer. The retail profit on a piano is from \$75 to \$200. Isn't this worth saving?

SENT ON TRIAL Anywhere We Pay Freight No Money in Advance

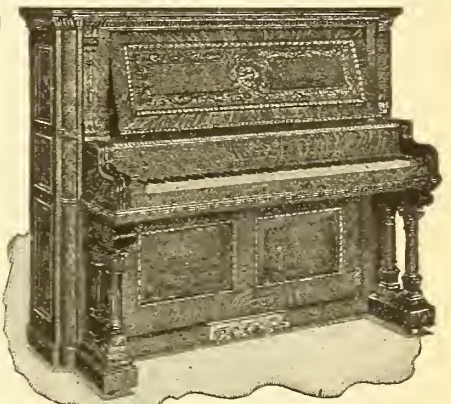
We will place a Wing Piano in any home in the United States on trial, without asking for any advance payment or deposit. We pay the freight and all other charges in advance. There is nothing to be paid either before the piano is sent or when it is received. If the piano is not satisfactory after 20 days' trial in your home, we take it back entirely at our expense. You pay us nothing, and are under no more obligation to keep the piano than if you were examining it at our factory. There can be absolutely no risk or expense to you.

Do not imagine that it is impossible for us to do as we say. Our system is so perfect that we can without any trouble deliver a piano in the smallest town in any part of the United States just as easily as we can in New York City, and with absolutely no trouble or annoyance to you, and without anything being paid in advance or on arrival either for freight or any other expense. We take old pianos and organs in exchange. A guarantee for 12 years against any defect in tone, action, workmanship or material is given with every Wing Piano.

Small, Easy Monthly Payments

In 37 years over 40,000 Wing Pianos have been manufactured and sold. They are recommended by seven governors of States, by musical colleges and schools, by prominent orchestra leaders, music teachers and musicians. Thousands of these pianos are in your own State, some of them undoubtedly in your very neighborhood. Our catalogue contains names and addresses.

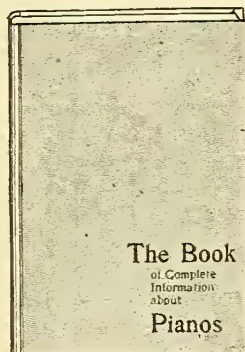
Mandolin, Guitar, Harp, Zither, Banjo—The tones of any or all of these instruments may be reproduced perfectly by an ordinary player on the piano by means of our Instrumental Attachment. This improvement is patented by us and cannot be had in any other piano. WING ORGANS are made with the same care and sold in the same way as Wing Pianos. Separate organ catalogue sent on request.



You Need This Book

If You Intend to Buy a Piano—No Matter What Make

A book—not a catalogue—that gives you all the information possessed by experts. It tells about the different materials used in the different parts of a piano; the way the different parts are put together, what causes pianos to get out of order and in fact is a complete encyclopedia. It makes the selection of a piano easy. If read carefully, it will make you a judge of tone, action, workmanship and finish. It tells you how to test a piano and how to tell good from bad. It is absolutely the only book of its kind ever published. It contains 156 large pages and hundreds of illustrations, all devoted to piano construction. Its name is "The Book of Complete Information About Pianos." We send it free to anyone wishing to buy a piano. All you have to do is to send us your name and address.



Send a Postal To-day while you think of it, just giving your name and address or send us the attached coupon and the valuable book of information, also full particulars about the WING PIANO, with prices, terms of payment, etc., will be sent to you promptly by mail.

WING & SON, 350-395 West 13th St. New York

1863—87th Year—1905

WING & SON

350-395 West 13th St., New York

Send to the name and address written below, the Book of Complete Information about Pianos, also prices and terms of payment on Wing Pianos.

Cut or tear out this coupon and mail to us, after writing your name and address at bottom. We will promptly mail book and other information.

Classified Ads.

Under this heading ads will be inserted for five cents per word each month for less than three months, **three cents per word for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. Commencing with the January 1904 issue, all ads will be inserted under **classified headings.** No ads accepted at less than an average of 50 cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Copy for classified ads should reach us by 19th of month preceding date of issue. Write your copy plainly, as upon this the correctness of your ads largely depends. AMERICAN POULTRY JOURNAL is furnished every advertiser during the time his ad is running. Forty thousand per month. We guarantee an average monthly circulation of 40,000 copies of AMERICAN POULTRY JOURNAL. When placing your ads remember that advertisers of Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted.

On writing any of these advertisers mention A. P. J. It helps you and doesn't hurt us.

All Copy for Classified Ads Must Reach us by the 19th of the Month.

PLYMOUTH ROCKS.

BUFF ROCKS, silver cup winners. Must sell entire flock at once. Remove to the South. Write for breeders or show birds, Burdick-Bennet Strain. T. B. Wortman, Shelbyville, Ill. 10-2

BARRED PLYMOUTH ROCKS exclusively. Thompson and Hawkins strains. Exhibition birds a specialty. Write me your wants. A. W. Beller, Killbuck, Ohio. 10-3

WHITE PLYMOUTH ROCK cockerels. Pure white; no brass. Prices reasonable. Satisfaction guaranteed. George Rigler, Bentonsport, Iowa. 10-3

BARRED ROCKS bred for eggs, meat, and beauty. Satisfaction guaranteed. Write John Watt, Lacon, Ill. 11-9

BARRED PLYMOUTH ROCKS. America's best. 50 grand cockerels bred from my prize winners, at \$2.50 and \$3.00 each. Exhibition birds a matter of correspondence. J. H. Hazledine, Bloomshurg, Pa. 11-3

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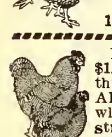


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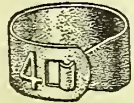


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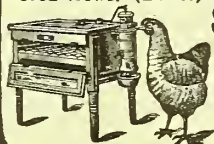


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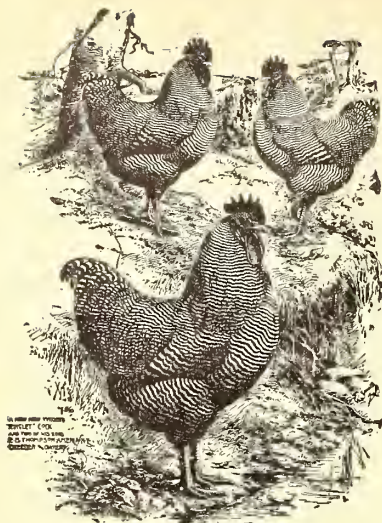
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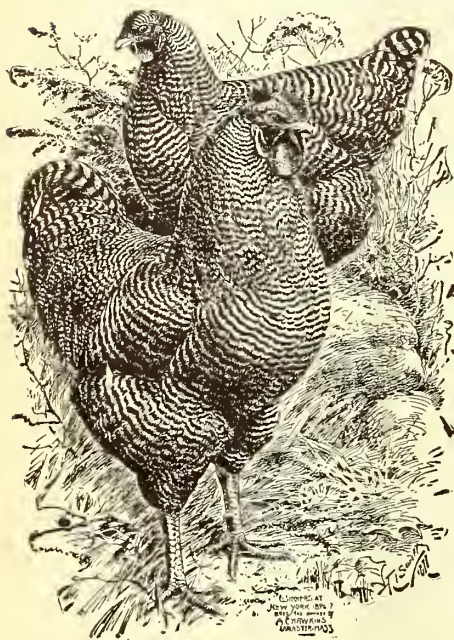
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AMERICAN POULTRY JOURNAL

Vol. 36

December, 1905.

No. 12.



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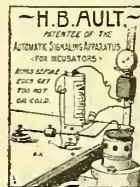
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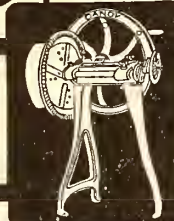
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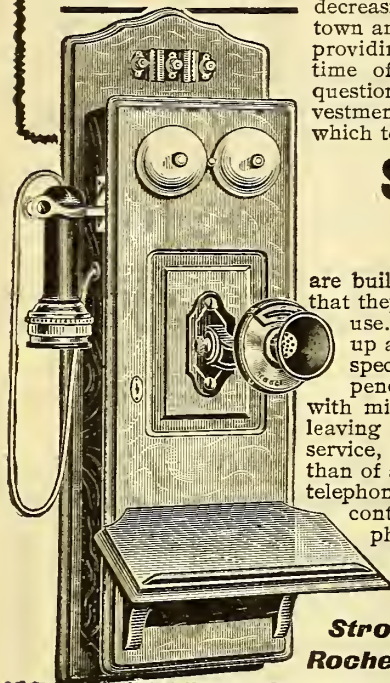
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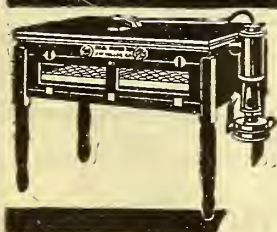


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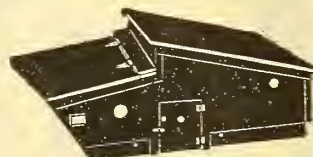
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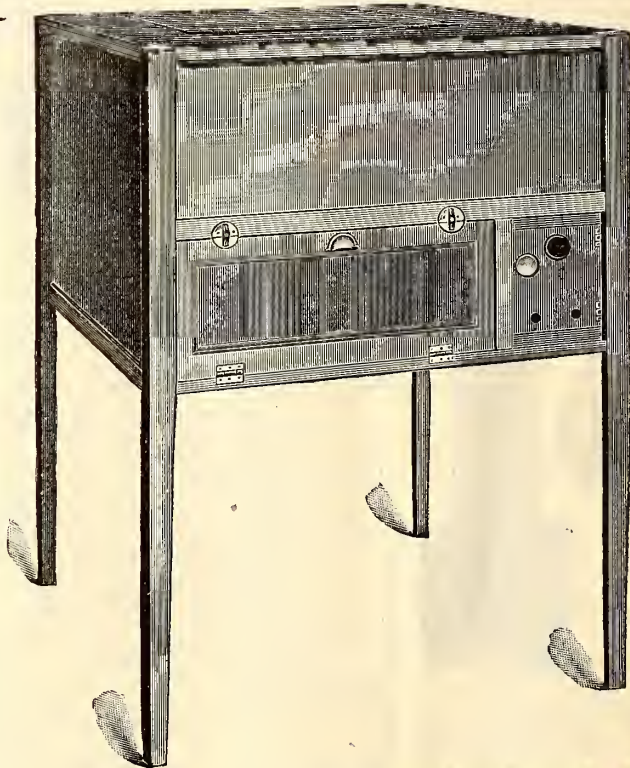
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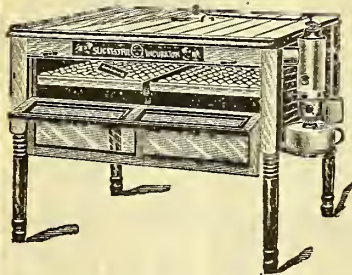
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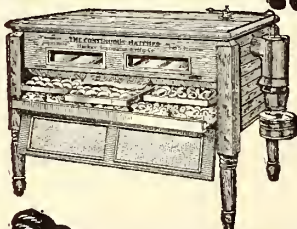
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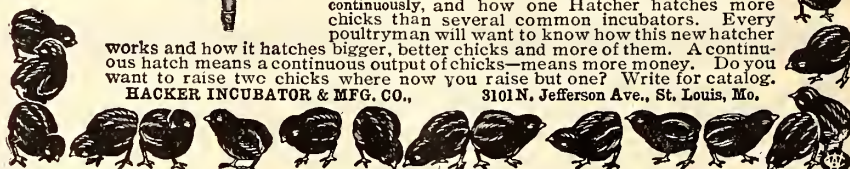


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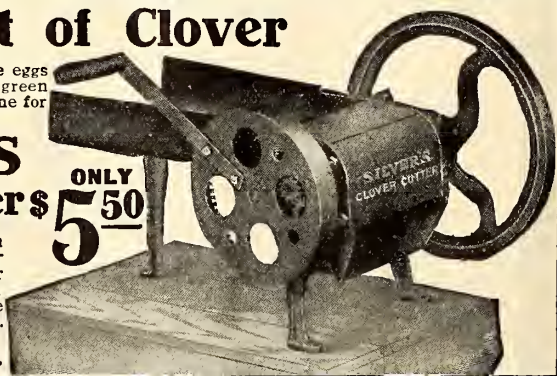
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Our birds are very large for this variety. We have not shown any of them, as the demand for stock was very large, but all of our pens were mated to noted males. We have concluded to reduce our Leghorns and devote more of our time to the Wyandottes, and prospective buyers can secure a bargain if they act promptly.

1000 HOMER PIGEONS mated for Squab breeding at 65c per pair. Do not wait. Place your order early.
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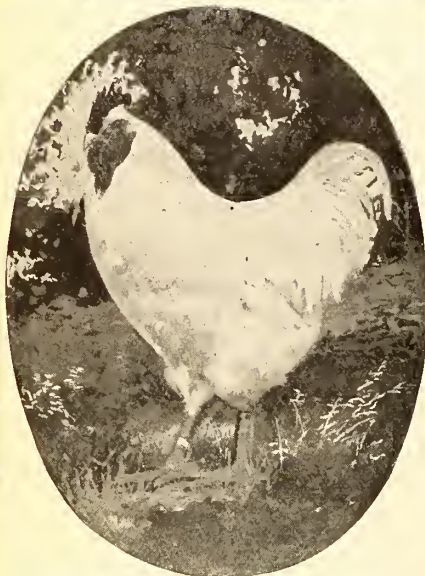
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GONE HOME TO ROOST THE "ROOTS" WHITE PLYMOUTH ROCKS

MAY R. POULTRY PLANT

Connersville, Ind., Oct. 8th, 1905.

This is to Certify that I have this day sold to Mr. U. R. Fishel, Hope, Ind., my entire stock of W. P. Rocks, including my Pan-American, Cleveland, Chicago, Cincinnati, Indianapolis and St. Louis World's Fair winners. In justice to Mr. Fishel I must say the foundation stock of the Roots White Plymouth Rocks were purchased of Mr. Fishel. My Pan-American, Chicago, Cleveland, Cincinnati, Indianapolis and World's fair winners were either birds purchased direct of Mr. Fishel or bred from birds purchased of him, so practically speaking, this large lot of White Plymouth Rocks are "Going Home to Roost." This addition of four thousand birds to Mr. Fishel's already "Best in the World," gives him, without a doubt, the largest and best flock of White Plymouth Rocks in the world. I can cheerfully recommend Mr. Fishel to all my customers and to all who are in need of White Plymouth Rocks. I am sure I have spent more money with U. R. Fishel than any other one man, and know "he more than pleases his customers." I beg to remain, Yours very respectfully,

MAY R. POULTRY PLANT, D. T. ROOTS, Prop.

Mr. Roots was, as you all know, one of the most successful White Rock exhibitors, winning wherever he exhibited. The above certificate of sale explains why his success and winnings, viz:—**Fishel's W. P. Rocks.** A word to the wise is sufficient. See my ad elsewhere in this issue, or send for my 48-page catalog, enclosing three 2-cent stamps for same. Ten thousand birds to select from. Exhibition birds, selected breeders and utility flocks.

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Why?

We are putting more quality into our matings each year, and the result is greater exhibition merit. The following are interesting facts: 7 out of 10 firsts at the St. Louis Exposition; 3 firsts on Barred P. Rock ckls. during the last 4 years; Grove Hill exhibited 3 times, (1902-3-5). As many firsts at the Pan-American exhibition as all our competitors combined; six times as many firsts as any competitor at Boston shows for 6 years. These winnings on birds almost exclusively of our own breeding. If you want winners, or birds to breed winners, write

GROVE HILL POULTRY YARDS, Box 410, WALTHAM, MASS.

American Poultry Journal

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No. 12.

ORIGIN AND HISTORY OF THE BREEDS

The Common Fowls of Italy the Basis of the Structure Upon Which the Beautiful and Useful White and Brown Leghorns Were Built—Brought to This Country About 1835 by Vesselmen Trading in Mediterranean Ports, Who Used the Stock for Table Purposes With No Thought of Dealing in Breeding Stock—The Original Fowls Were of All Colors Other Than Black—Buff, Pile and Duckwing Leghorns English Creations—The Making of the Rose Comb Leghorns in America.

Paper No. 5.—The Leghorn Family.

Written by Thos. F. Rigg, Associate Editor American Poultry Journal

The Leghorn fowl, the most popular and the most extensively bred of all the non-sitting breeds of domestic poultry, is Italian in its origin. While this is true, strictly speaking, the Leghorn is and has been for more than half a century distinctively American. The modern Leghorn, white and brown, both single and rose comb, is the product of the American fancier. It was from America, not Italy, that the Leghorn was first sent to the breeders of England and other countries. In fact no one sends to Italy for Leghorns, for the good and sufficient reason that the common fowl of Italy, from which the modern Leghorn was evolved, is in no way, other than in shape, anything like the Leghorn recognized by the world's fanciers.

The American Leghorn has found its way into every civilized country on the globe. As egg producers these fowls stand, by test, the best of all, when properly housed and otherwise cared for. The large and profitable egg farms of this country and England are stocked with Leghorns. Upon the farms of America these fowls are paying handsome dividends, where market eggs are sought.

There are several varieties of the Leghorn, as follows: Single Comb White, Rose Comb White, Single Comb Brown, Rose Comb Brown, Single Comb Buff, Rose Comb Buff, Single Comb Black, Pile, Duckwing and Dominique.

The Single Comb White and Brown varieties are bred in greater numbers than all others combined.

EARLY HISTORY.

The original Leghorns were undoubtedly brought to this country by vesselmen trading in Mediterranean ports, but whether the first consignment was directly from Leghorn is a question which will never be positively settled. It has been said that the first lot of these fowls received in America were brought in in 1834. It is not at all strange that these fowls made their way to this country in that early day. Vesselmen leaving Italian ports would, most naturally, take on board a number of fowls to be used for table purposes on the trip about to be made. These vesselmen had, at first, no idea of dealing in breeding fowls. But American fanciers, then as now, on the alert for something new and novel, were eager for these foreign fowls, and soon these vesselmen were doing a large, and it is safe to say, a very profitable business in supplying the wants of the Americans.

The first reference we have in American literature to the Leghorn is found in *Saunders's Domestic Poultry*, published in 1866. This reference is as follows:

Within a few years past fowls known as Leghorns have attained considerable notoriety. So far as I am aware they are entirely unknown among the fanciers of Great Britain, and for my own part I have been led to avoid breeding them, from the impression, be it well or ill-founded, that the characteristics were not sufficiently well established to enable to breed them true to feather and points, and to entitle them to the distinction of a breed. However, since the publication of the first

edition of this little book I am convinced that fowls which have gained so fast in public favor must have something to recommend them, and may at least be commended as worthy the attention of breeders. Their uniform characteristics as I at present view them are these:

"Medium size, persistent as layers, being poor sitters or non-sitters, having fair fattening qualities and very good flesh. They are besides hardy, suffering from severe weather much less than the Spanish. With this breed they are evidently closely allied, all having single combs, large white ear-lobes, and in many cases partly white faces, and in the best specimens something of the style of that justly favorite breed. These birds are all colors except black, the light colors prevailing, and they have none of the marks of a pure breed."

Here we have a good description of the common fowls of Italy, brought here by vesselmen, not as breeding stock, but as market stock.

Mr. Saunder's statement, "Within a few years past fowls known as Leghorns have obtained considerable notoriety," is conclusive evidence that fanciers here had been handling these fowls for several years prior to 1866. His further statement, "I am convinced that fowls which have gained so fast in public favor must have something to recommend them," shows clearly that it was not many years prior to 1866 that the first consignment of these fowls was received by American fanciers.

Mr. H. H. Stoddard many years ago made the following statement regarding the origin of the Single Comb Brown Leghorn:

"About 1835 (the exact date is not known) N. P. Ward of New York City received direct from Italy a few Brown Leghorn fowls, which, in his hands, undoubtedly proved their claims to superior merit, for, though he wrote nothing about them which has been preserved, he gave eggs and fowls to his friends, one of whom was J. C. Thompson, of Staten Island. Mr. Thompson was greatly interested in the breed, and gave an account of their marvelous precocity and early fecundity. The pullets matured and commenced to lay at the age of four months, and, though we have no statistics of the male side of the house, there is little doubt that the cockerels showed as early development as the pullets."

"At a subsequent period Mr. Thompson, who seems to have been a most enthusiastic fancier, sent by his son-in-law, who was a sea captain, for an additional supply of the fowls, and received birds that had the same markings as those first imported. In a letter published after breeding them several years, and when the fresh blood of various importations forbade the idea of deterioration through too close inbreeding, this pioneer breeder expresses the opinion that pullets frequently laid themselves to death."

"For some time after this, however, there was little known of the fowls, and when, in 1852, they made their entry into Mystic River, Conn., no one breeder in a hundred knew what they were, or what were their peculiar merits. They speedily learned the latter, however. The second year another lot of birds arrived at Mystic and were distributed among the friends of Captain Gates and the first officer of the vessel, Mr. Morgan, who still lives in the town of Groton, and corroborates the details of the importation. From this time the dissemination of the breed was very rapid, and its popularity advanced rapidly through all New England, where it was known as the red Leghorn."

In view of this statement by Mr. Stoddard it is evident that we here have some very important facts, and taken into consideration with the evidence given by Mr. Saunders the deduction is: White and Brown Leghorns (fowls resembling the modern Leghorn in form and comb only, bear in mind) were first brought to this country about 1835; that for a time they were eagerly sought by American fanciers; that as we would now express the situation, "the boom dropped," and for a time there was little doing with these fowls; that it was not

until about 1853 that great interest was renewed and these fowls demanded by fanciers of this country.

England received her Leghorns from America. Tegetmeier, the English author, in his *Poultry Book*, 1873, referring to the White Leghorn, said:

"To our American cousins is due the credit of having introduced certain admirable breeds of poultry. The Brahmas are undoubtedly second to none as useful fowls. Another race, which is as equally popular in the United States as being at once most useful and ornamental, is that known as the White Leghorn. These fowls are hardly, if at all, known in this country; but, having tested their merits for two seasons, I can report most favorably on them, and fully endorse all that has been said in their favor on the other side of the Atlantic."

"White Leghorn are birds of the Spanish type, but with white in the place of black plumage. I find them to be abundant layers of full-sized eggs, laying the whole year around except through moult. I regard these fowls as exceeding useful and ornamental. They have materially lessened the value of the Spanish fowls. *The Brown Leghorn has not as yet been brought into England.*"

As Mr. Saunders said, the common fowls of Italy brought to these shores by the vesselmen were birds white and brown, "in fact all colors but black." *Poultry World* in 1876 in an article regarding the origin of the Black Leghorn, said:

"The modern acquisition of white ear-lobes, long legs and not more than five points in the comb, the dark brown color and greater weight, has been the result of the following crosses known to the writer: Spanish sires bred upon black-red game hens, and the progeny to Brown Leghorn cocks, and this progeny inbred to sire. Again, black-red game sire upon Spanish dams, and the progeny bred to Brown Leghorn cock, and inbred as before Black Spanish hens bred to Brown Leghorn cock, and the progeny inbred."

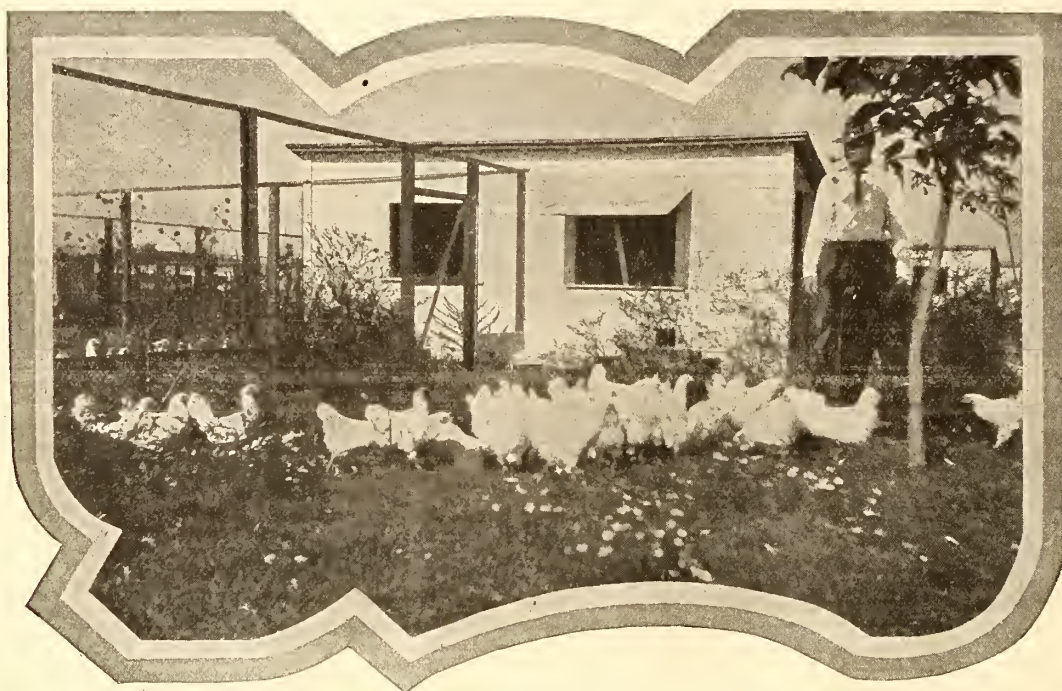
So far as known no crosses were employed in the production of the modern White Leghorn, single comb. An attempt was made by a number of fanciers about 1875 to secure a larger White Leghorn by introducing the blood of the White Game, but this stock was soon abandoned, and no trace of it remains. Some have introduced White Minorca blood in an effort to get a larger Leghorn, but this to but little extent.

ROSE COMB LEGHORNS.

Thorne, in *Complete Poultry Book*, 1886, says:

"Certain American breeders are attempting to substitute the rose comb for the ordinary comb of the Leghorn fowl, claiming this type of comb to be preferable on account of superior beauty and non-liability to freeze."

It is a matter of record that the Rose Comb White Leghorn was produced by crossing a Single Comb White Leghorn on



A group of White Wyandottes at feeding time on the Emma B. Poultry Farm, Gurnee, Ill.

"The first importation of this breed from Italy, regularly bred from, of which we have any authentic account, was made in 1871 by Mr. Reed Watson, although stray specimens of black or very dark fowls were no doubt brought over at various earlier times. The first published account of Black Leghorns appeared in this magazine as an editorial in 1872. Since then they have become widely known. We quote: 'Mr. Reed Watson, of East Windsor Hill, Conn., has some Black Leghorn fowls direct from the vessel in which they were imported from Italy. Mr. Watson's birds show the unmistakable Leghorn form, even to the details of comb and wattles, and are as thoroughly non-sitters as any of our acclimated strains of other Leghorns. The original fowls, three in number, imported a year ago, are now surrounded by a well-grown and numerous family. The old hens have proven themselves remarkably prolific layers, and the pullets of last April are following the example. A brood of a dozen chicks can be seen hatched September 1, from eggs laid by pullets of this stock, hatched after the middle of April last.'"

Black Leghorns were admitted to the Standard by the American Poultry Association in 1874.

This is the early history of the Leghorn fowl. What a change has been wrought by the skilful, untiring and patient American fancier! To-day, beautiful of form and color, they grace the yards of fanciers in every land and clime.

Regarding the production of the modern Brown Leghorn Mr. f. K. Felch says:

White Hamburg. They have had a steady growth, and during the past five years have been in great demand.

Various breeders, in the east and middle west, sought to produce a rose comb Brown Leghorn, and several blood lines were resorted to, breeding back to the Single Comb Brown Leghorn in each case.

In 1888 the writer secured from one of the most prominent pit game breeders and cockers in the United States a pit game hen with the color of the Brown Leghorn. This hen had a rose comb. We bred her and secured some very fine Rose Comb Brown Leghorn chicks, using a male Single Comb Brown Leghorn as sire.

Hamburg blood was also used in the production of the Rose Comb Brown Leghorn.

At present an effort is being made to produce a Rose Comb Buff Leghorn. As yet good specimens are very rare.

SINGLE COMB BUFF LEGHORNS.

The honor of giving this beautiful Leghorn to the fancy belongs to Mr. and Mrs. Lister Kay, of England. A yellow male bird, with Leghorn form, was shown in Copenhagen in 1885. Mr. Alexander Comyns, then editor of the *Feathered World*, London, was a visitor at the show and greatly admired this yellow bird. Through his effort interest was aroused in England, and the Buff Leghorn idea took root. In 1888 a Buff pullet was shown in London. Then Mr. and Mrs. Kay went to work to produce a good Buff Leghorn. They secured crude specimens, yellow birds, from Denmark and elsewhere, and after

years of hard work gave to the world the beautiful and useful Buff Leghorn. In August, 1892, Mr. August D. Arnold, of Dillsburg, Pa., bought of the Kays the first prize Crystal Palace cockerel "Jasper," and the first prize pullet "Jessica," paying \$325 for the pair. These were the first Buff Leghorns brought to America.

OTHER LEGHORNS.

Duckwing and Pile Leghorns are products of English fanciers. Mr. E. G. Wycoff, of New York, has taken these and the Black Leghorn up and will, undoubtedly, popularize them in the United States. They are beautiful fowls.

The Duckwing Leghorns, Silver and Golden, are crosses of the Leghorn (white), and the Duckwing Games, also of White and Brown Leghorn cross.

The Pile Leghorn is a cross of the White and Brown Leghorn, and was introduced by Mr. G. Payne, of England, who introduced the Duckwings.

Color of the Duckwing Leghorns is practically that of the Duckwing Games.

The Dominique Leghorn was admitted to the American Standard in 1874, and a few years later thrown out. It is not bred here, but few specimens being found. It is bred to some extent in England as Cuckoo Leghorns. In plumage color it resembles the Barred Rocks.

LEGHORN FORM CHARACTERISTICS.

Leghorn form and carriage is distinctive. The Leghorn is comparatively small of size, a fowl of great alertness and graceful curves. Short backs, short shanks and low set bodies do not become a Leghorn. In form and carriage all the Leghorns have same requirements. There is no Standard weight clause for fowls of this breed. A few years ago fanciers in their desire to secure color markings lost sight of size, and as a result the winning Leghorns were not much larger than Ban-

tams. To restore size the American Poultry Association demanded, and made it a Standard requirement, that judges in passing upon Leghorns in the show room give consideration to size. Now in the scale of points for all Leghorns "size" counts for 8 points.

COLOR REQUIREMENTS.

The White Leghorn, Single and Rose Comb, male and female, pure white throughout, including quills. As in all varieties of the breed the beak, yellow; eyes, red; face, bright red; earlobes, white; wattles, red; shanks and toes, yellow.

Color of Brown Leghorn, male: Head, reddish-bay; neck, rich red, with distinct stripe extending down middle of each feather and tapering to point near the extremity of feather, the red to be free from black; back and saddle, rich red, striped with black; breast, black; body and fluff, black; wings, bows, bright red; wing fronts, black; edge of lower web a rich brown wide enough to secure a wing-bay of same color, covets, greenish-black, forming a bar of this color across wing when folded; tail, black; sickles, greenish-black; under-color, black or dark slate.

The female Brown Leghorn is a beautiful brown, the body feathers finely stippled with a darker shade, the lighter shade predominating.

Buff Leghorn color: Surface throughout an even shade of rich, golden buff, free from shafting or mealy appearance. Under-color a lighter shade, free from foreign color.

Black Leghorn color: Rich, glossy black, with greenish sheen throughout.

The Leghorn occupies a prominent place as a fancier's fowl. Its place in the show room, on exclusively egg farms, on the farms of the country and in the yards of the cottagers is assured. It is a hardy and vigorous fowl, both beautiful and useful, and will, therefore, always be demanded by the people.

LESSON ON LINE-BREEDING

**A Subject that is Commanding the Time and Attention of a Great Many of the Present-day Fanciers.
A Detailed and Comprehensive Article on the Subject, with Extended Breeding Chart.**

The art of establishing a line of breeding which will reproduce its kind, the only sure way of reproducing any kind of stock is to establish a line of breeding whose ancestry is known for several generations. In poultry breeding to establish a line the male bird should be large and vigorous; the comb and ear lobes medium large for the breed, denoting vitality. Head should be broad, eyes bright, neck of medium length, back broad, breast meaty, body of good length for the breed, deep and well rounded legs to be moist to the touch, stout and well set apart. Tail wide, carried medium high for the breed, to come of a line of sires known for vigor, shape and color. The color to be as dark as the standard of the breed allows. At the close of the breeding season the males to be bred from another year should be placed in bachelorhood until another season comes around, so as not to impair his usefulness as a breeder.

The female line to come of large stock from one-half to one pound over standard weight, vigorous, active from a well-known laying strain; other qualities to be as described for the male. The male controls in the greater degree the breed, type or shape and color; the female controls in the greater degree the weight and size of our flock. Never choose a bird to breed from with a long narrow head, small comb, for the breed denotes lack of vigor. The males which are sure breeders up to and including their fourth year are large combed. The large comb hens are generally the heaviest layers in the flock. Never use a male bird lacking wattles; they are never good breeders. A bird, male or female, with dull and listless eyes should never find a place in any breeding pen. Birds with good meaty breasts, broad backs, bodies deep and well rounded are the birds which, when properly dressed, take the premiums in the dressed fowl exhibits and bring the best market prices. It is folly to start line breeding with birds less than standard weight or less color than called for in the standard of the breed. Good weight, size and prime color denote health and vigor of the specimen.

Avoid starting a line of breeding from a bird which has been sick and apparently cured of ulcers of any kind on any part of the body, foul breath, foul vent, weak legs, knocked-kneed or wobbling gait. A bird with any serious defect should never be bred in line; defects are liable to perpetuate themselves for many generations; the same holds good with cured birds. The birds we have selected to start our lines with a cock kept celibate till 20 or 22 months old and a pullet not less than nine months old, both to have every indication of maturity. The cock's crowing should be loud and clear. His call to his consort should be readily answered by the pullet selected as his consort. The pullet's voice to be sharp and clear; eggs

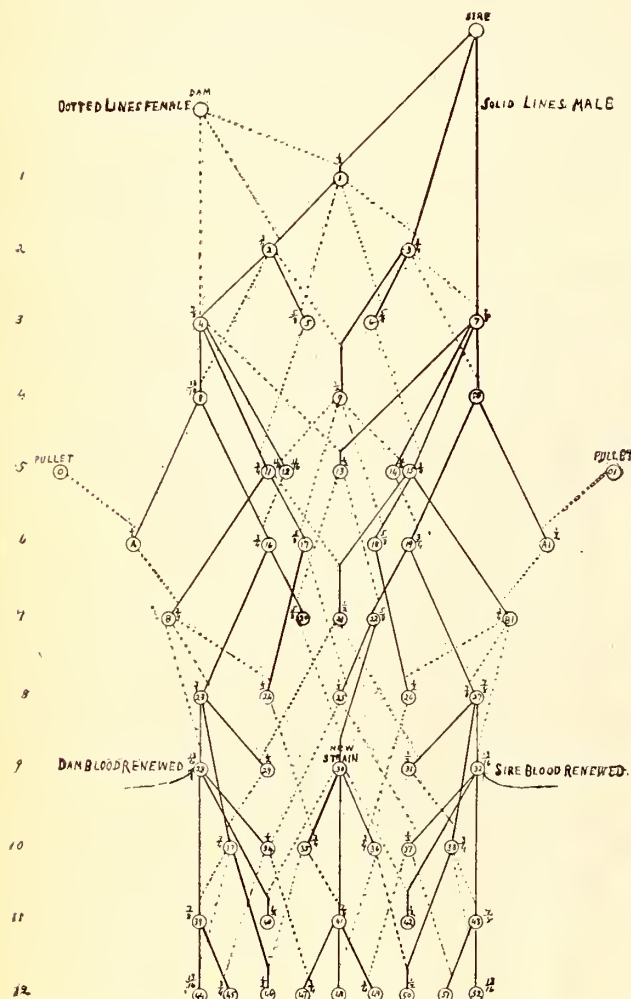
to be of good shape and color for the breed, shells firm. The pullet should be early on the range and late getting on the roost.

Having mated our birds the product will be group 1 of our chart. Many of the birds will not resemble either parent, owing to the crossing of two strong blood lines and the breaking upon ancestral influence. By mating a cockerel of group 1 bred back to his dam and a pullet bred back to her sire, then do we find the strongest line of our breeding. Often when we breed back to the sire and dam, producing matings 2 and 3 of our chart, do we find birds to strongly resemble both sire and dam; to return to group 1, while the young stock is growing to watch for the birds which make the best and most regular growth. The young cockerels should be carefully watched when coming into their second feathering, the coloring of which will denote his pullet-breeding quality. Cull out all chicks that do not have a stout, well-curved back and stout, well-shaped legs. Chicks with good beaks and legs as above generally grow up to have well-shaped bodies fit to take their place in the breeding pen, remembering as we mate from year to year that any deficit should be compensated in the mate in the first years of our breeding. Care must be taken on the dam side of our line; hens lose color at a more rapid rate than the males.

To return to our chart, in the third year take a cockerel from group 2, three-quarter dam blood, breeding it back to the original dam, the produce of the mating will be group 4, seven-eighths the blood of the original dam; the best cockerel of this mating to be used to carry on the blood of our original dam. A cockerel from group 2, three-quarter dam blood, mated back to a hen from group 1, one-half blood of our original pair, produces group 5, being five-eighths dam blood and three-eighths sire blood. A cockerel from group 3, three-quarter sire blood, mated to a hen from group 1, one-half the blood of the original pair, produces group 6, five-eighths the blood of our sire. A pullet from group 3, three-quarter sire blood, mated to the original sire, produces group 7, seven-eighths the blood of our original sire.

In the fourth year of our breeding, a cockerel from group 4, seven-eighths dam blood, mated to a hen from group 2, three-quarter dam blood, produces group 8, thirteen-sixteenths dam blood. A cock from group 3, three-quarter sire blood, mated to a hen from group 2, produces group 9, one-half blood of our original pair. A cockerel from group 7, seven-eighths sire blood, mated to a hen from group 3, three-quarter sire blood, produces group 10, thirteen-sixteenths the blood of our original sire.

In the fifth year of our breeding, a cock bird from group 4, seven-eighths dam blood, mated to a hen from group 5, five-eighths dam blood, we get group 11, three-quarter dam blood. A cock bird from group 4, seven-eighths dam blood, mated to a pullet from group 9, one-half blood of our original pair, produces group 12, eleven-sixteenths dam blood. A cock bird from group 7, being seven-eighths sire blood, mated to a hen from group 4, seven-eighths dam blood, produces group 13, one-half blood of our original pair. A cock bird from group 7, seven-eighths sire blood, mated to a pullet from group 9, one-half blood of our original pair, produces group 14, eleven-sixteenths sire blood. A cock bird from group 7, seven-eighths sire blood, mated to a hen from group 6, produces group 15, three-quarter sire blood.



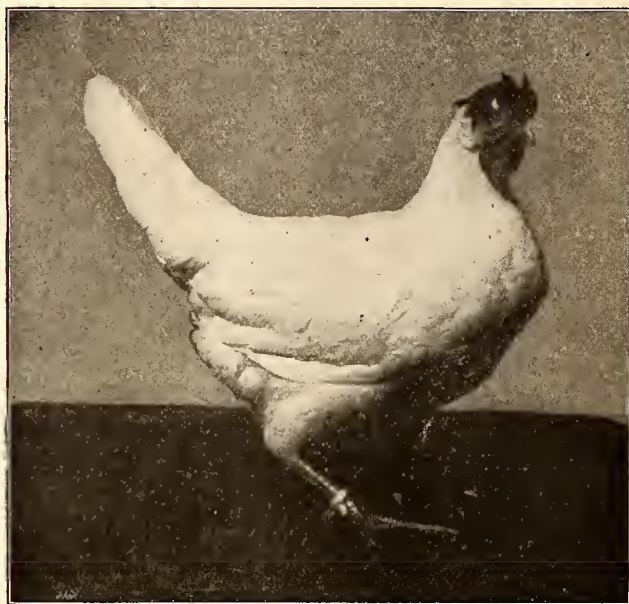
In the sixth year of our breeding a cock bird from group 8, thirteen-sixteenths dam blood, mated to a pullet from group 0, on the chart the best bird we could get in no way related to sire or dam, special care being taken to get a bird strong in any the dam line is weak, the produce of the mating will be group A, one-half of the original dam blood and the pullet 0. A cock bird from group 8, mated to a pullet of group 12, produces group 16, three-quarter dam blood. A cockerel from group 11, mated to a hen from group 9, the produce will be group 17, five-eighths dam blood. A cockerel from group 15, mated to a hen from group 9, will produce group 18, five-eighths sire blood. A pullet from group 14, mated to a cock from group 7, gives us group 19, three-quarter sire blood. Take a pullet, the best we can secure not related to the other lines we are breeding, care being taken to get bird strong in any points in which our own sire line is weakest, having found a bird to our satisfaction we mate it to a cock bird from group 10, from which we get group A 1, one-half blood of our original sire and the pullet 01.

In the seventh year of our chart we mate a pullet from A, one-half dam blood, mating it to a cock bird from group 11, from which we get group B, three-quarter dam blood. A cockerel from group 16, mated to a hen from group 13, gives up group 20, five-eighths dam blood. A cock bird from group 15, mated to a hen from group 11, gives us group 21, one-half blood of our original sire and dam. A cockerel from group 10,

mated to a hen from group 13, gives up group 22, five-eighths sire blood. A cock bird from group 15, mated to the best pullet from group A 1, will give us group B 1, sire blood and one-quarter the blood of the pullet 01.

In the eighth year of our chart a cock bird from group 16, mated to a pullet from group B, will give us group 23, which gives us the blood of our original dam almost renewed to its full strength. A cock bird from group 17, mated to a pullet from group B gives us group 24, being one-half blood to the original dam and the new strain we are to produce. A cockerel from group 22, mated to a hen from group 17, produces group 25, one-half blood of our original sire and dam and only one mating from our new strain. A cock bird from group 18, mated to the best pullet from group B 1, produces group 26, one-half blood of our original sire and the new strain we are producing. A cock bird from group 19, mated to the best pullet from group B 1, gives us group 27; this mating gives the blood of the original sire again almost renewed to its full strength.

In the ninth year of our chart a cockerel from group 25, mated to a hen from a group B, gives us group 28; this mating restores the blood of our original dam to its full strength. We have consumed the blood of the original sire and the blood of the pullet from group 0. A cockerel from group 23, mated to a hen from group 21 gives up group 29, one-half dam blood and one-half blood of our new strain. A cock bird from group



First Leghorn pullet at Syracuse and Hagerstown, 1905. Owned and exhibited by Rock Hill Poultry Farm, Ossining, N. Y.

22, mated to a hen from group 20, gives us group 30. Our new strain is now complete, the blending of the blood of our original sire and dam has in this mating given us a new strain, strong in the fact that we have overcome the faults and combining the best qualities of both sire and dam.

A glance at the chart will show how strong our new strain should be. In group 8 and group 10 we have the blood of the dam and sire at thirteen-sixteenths, which is as close as a safe line breeder should go. From group 8 and 10 the chart shows both lines drawing to a central point, which point on our chart is group 30. A cockerel from group 27, mated to a hen from group 21, gives us group 31, one-half bloods of our sire line

In the eleventh year of our chart a cock bird from group 28, mated to a pullet from group 33, gives us group 39, seven-eighths original dam blood. A cock bird from group 28, mated to a hen from group 30, gives us group 40, one-half bloods of the dam line. A cock bird from group 30, the new strain, mated to a pullet from group 35, gives us group 41, seven-eighths the blood of our new strain. A cock bird from group 32, mated to a hen from group 30, gives us group 42, one-half blood of the sire line. A cock bird from group 32, mated to a pullet from group 38, gives us group 43, seven-eighths the blood of our original sire.

In the twelfth year of our chart a cockerel from group 39, mated to a hen from group 33, gives us group 44, thirteen-sixteenths the blood of our original dam. A cockerel from group 39, mated to hen from group 34, gives us group 45, eleven-sixteenths the blood of the original dam. A cock bird from group 33, mated to a hen from group 35, will give us group

46, one-half bloods on the dam side of the line. A cockerel from group 41, mated to a hen from group 34, gives us group 47, eleven-sixteenths the new strain on the dam side of the line. A cockerel from group 41, mated to a hen from group 36, gives us group 48, restoring the new strain to full blood. A cockerel from group 41, mated to a hen from group 37, gives us group 49, eleven-sixteenths the blood of the new strain on the sire side of the line. A cock from group 38, mated to a hen from group 36, gives us group 50, one-half bloods on the sire side of the line. A cockerel from group 43, mated to a hen from group 37, gives us group 51, eleven-sixteenths blood of the original sire. A cockerel from group 43, mated to a hen from group 37, gives us group 52, thirteen-sixteenths the blood of the original sire of our flock.

Having followed the breeding of our chart, throughout which we have never mated a cockerel and pullet together, care should be taken at all times to guard against breeding from immature stock. The chart was started with a yearling cock and a mature pullet; in the third year of our breeding we should have birds to average as good as the sire and dam we started with. Many breeders fail in line breeding at the eighth to the tenth year by failing to reinforce their breeding lines as shown on the chart when we secured pullets 0 and 01 of our chart. As we follow the lines laid down in our chart breeding from an unbroken line of sires selected of the same shape, weight and color, culling out all that do not literally fill the standard of



First prize Light Brahma cock, won at Cedar Rapids, Iowa. Owned and bred by Dr. N. E. Mighell, Marshalltown, Iowa.

the breed as to shape, weight and color, allowing no freaks or weaklings in our pens, then we can be reasonably sure that like will produce like. The fancier who wishes to reach the top should line breed in pairs, selecting the best from year to year; pullets to be selected to balance any defect in the male; cockerels to be selected to balance any defects in the hens. Never breed two birds together with the same defects; neither should a bird be bred to another whose sire or dam have had the same defect or it will surely ruin the flock.

In line breeding defects accumulate slowly, and only by careful inspection of the birds on the roosts can the evil effects of too close inbreeding be detected. As soon as the breeder notes that his birds lack weight and stamina, eggs largely infertile; males with small wattles; hens lacking dew-lap comb, small for the breed, narrow skull, beak long and head flat; chicks small-bodied and long-legged for the breed, backs narrow, pinched tails, eggs below normal size for the breed; cockerel lacking in aggressiveness, you have violated Nature's laws; failure will be your lot if your lines are not reinforced; the waste in breeding will ruin the flock.

By careful selection and allowing for the waste in breeding by carrying an excess of weight and color we will surely reach the top, where there is always room for the best in any line; the higher we climb the greater will be our reward.

Detroit, Mich.

ADAM M. J. MCKENDRICK.

A CITY LOT POULTRY PLANT.

(Continued from November Number.)

My yard is west of the house and is 26 feet long, with an average width of 14 feet. I fence in a portion of this—12x4 feet—in the spring and arrange a portion of the scratching shed for roosting room for chicks, so that old and young are not together until chicks are well grown.

All my chicks are hatched in a 120-egg incubator at one time and reared in outdoor brooders. Thus with frequent and careful culling I can easily raise twenty to twenty-five pullets, and I have only the one brood to care for instead of using half or more of my yard for a lot of hens with their broods of varying age and size.

In feeding I feed all the birds dry grain and feed it all in litter, so every bird has to work for every meal. My experience with mashers was anything but satisfactory to me in time required or in results obtained, and I am positive I am now getting better results with less time spent by dry feeding.

For the little chicks I buy one of the standard chick feeds and feed it in clover chaff litter and have sifted beef scraps and grit before the chicks from the beginning. When chicks are four to six weeks old I add cracked wheat and oats to the diet. When the chicks are half grown I put them on whole wheat and oats and cracked corn, with an occasional feed of millet or sunflower seed.

For green feed the chicks eat a great deal of the clover, and I give them cabbage or any other available green stuff, but I endeavor to have some other green stuff beside the clover most of the time.

My layers get oats for breakfast, which are put in the litter the night before; wheat for lunch at noon and cracked corn about an hour before roosting time. They also get an occasional feed of millet or sunflower seed. Table scraps are fed in the trough after breakfast. Green feed is the same as the chicks get. All feeds are as generous as they can be and still keep the hens scratching.

On account of the smallness of my yard I cannot keep anything except a shade tree growing in it, but I keep spading it over as often as possible; also let chickens out on lawn frequently in summer, but never let them out of the scratching shed in winter unless the ground is bare and frozen dry.

I water my birds twice a day all the year and in cold weather add enough hot water to take the chill off and prevent it freezing before all the birds have had all they want.

This has been my plan of feeding and housing for several years and sick chickens have been few and far between. The only efficient remedy and preventive I use is death by strangulation. It is so seldom that a bird once seriously ill ever gets strong enough to be fit to use as a breeder or a good layer that I feel it is economy to kill them.

Each year I have managed to increase the average egg production of my pullets and have also improved the standard quality of my flock. I winter only five or six hens and breed from them and the most promising egg-producing pullets, all of which are selected both for egg production and standard points. Each fall I purchase a cock bird for the next season and endeavor to get a male well up to standard, but also of strong, vigorous constitution to counteract the weakening influence of confinement on a flock. I do not believe the male has any great influence on the egg production, provided the hens are hereditary heavy layers.

In all my work I have tried to reduce the time required as much as possible and believe there is very little unnecessary time required in my method, unless the use of trap-nests is considered unnecessary. To me the trap-nest is the greatest help I have in detecting unprofitable birds and also in judiciously selecting my breeders.

With this method I have been able to make the twenty to twenty-five adult birds I winter supply all our eggs for eleven months in the year, or from October 15 to the 15th of the next September. These eggs, figured at market price, together with broilers sold and eaten, make my flock pay a large dividend on all money actually spent, or, if as many figure poultry profits as pay for caring for the birds, I think I am well paid, besides having the pleasure of growing chicks and developing a flock of more typical birds that will always prove they are able to support themselves by their own labor.

If the poultry keeper will always aid the chickens in keeping clean and comfortable in mind and body, his birds will reciprocate at least two-fold.

Cleveland, Ohio.

M. W. HASENPFLUG.



"STRONGEST BLOOD LINES ON EARTH"

Four Chicago winners, showing the strong points in lacing in different sections; an illustrated lesson on line breeding of Silver Wyandottes, as practiced by Jones, the Wyandotte man, Paducah, Ky. His handsome 36-page catalogue tells it all; mailed to any address on receipt of 4 cts. in stamps. Address R. E. Jones, R. F. D. No. 5, Paducah, Ky.



Monthly Prize Article Department

FEEDING FOR PROFIT AND THE VALUE OF GREEN BONE.

We would like to have all of our readers compete for the prizes offered each month in this department. Send as many articles each month as you desire. For the best article we will pay \$3.00 and for the second best \$2.00. Make your communication about a column in length, which is about 600 words. They should be timely and appropriate to the season. Articles describing appliances and houses and accompanied by rough drawings are especially desirable. All the communications must be accompanied by a letter stating that they have been sent in for competition in the Prize Article Department. All articles must be written on one side of the paper only. Articles received after the 15th of the month will be too late for competition in the month following, but will be entered the next month. No manuscript will be returned, but all who send meritorious articles will be given a year's subscription to AMERICAN POULTRY JOURNAL, whether the article is published or not.

The first prize in the contest this month has been awarded H. M. Borthwick, Boulder, Colo., and second prize to Guy C. Bardwell, Helena, Mont.

EXPENSIVE ECONOMY.

Economy is good, but it makes one smile to see how some people practice it. In order to save a nickel some will spend time and labor worth far more than the amount saved; others will buy an inferior article or do without something they really need in order to save a trifle, when the expenditure of a little additional would bring much greater proportionate value. I find the latter is the case with many poultry keepers in this vicinity, and I imagine also in every vicinity.

This false economy is shown in many ways. First, in the feeding. If you tell a man he is not feeding his hens enough he will say, "I can't afford to feed any more; they do not pay for themselves as it is." He is feeding just enough to keep his fowls alive without having anything left over for egg-forming material. That feed is practically wasted; it barely prolongs the life of his fowls without bringing any return. But if he would add to it a proper amount, in suitable variety, of egg-building material, the hens would pay for it three or four times over. Those who get plenty of eggs are good feeders; those who do not get eggs, as a general rule, are at fault in that they feed too little or too much of one kind. It is often said, "Don't feed too much; your fowls will get fat." But where there is one who feeds too much there are many who feed too little; and with a well-balanced ration there is little danger of over-feeding. Then, if you tell an inexperienced keeper of poultry on a small scale that he ought to feed a variety, to give a balanced ration, to keep his houses, yards and troughs clean, to keep the drinking water fresh and clean, or to do any one of a score of other little things, he is likely to reply, "It is too much bother." He will "bother" to keep a few hens in a half-hearted way and become disgusted with "the little brutes" because they do not furnish sufficient eggs for his household use, while a little extra bother in doing things right would double his egg yield. I have known this to be the case. It is a saying true to the last degree with poultry that "what is worth doing at all is worth doing well."

Another case of false economy is seen in the way some people house their fowls. I know a man in this vicinity who has about 600 hens with suitable accommodations for not more than 100. He thinks he cannot afford to build more houses or repair what he has and make them free from drafts, because his hens do not lay. And no wonder! If he would put up proper buildings for the whole flock the increased profits in the first year would doubtless pay for them. To keep poultry for the best profit one must do it right, just right, and not neglect any of the little points, and never skimp on any food or appliance that is of real value.

This unwise economy practiced by so many poultry keepers is undoubtedly due to ignorance in the majority of cases, but in this day of the world there is no need for ignorance. There is sufficient information in the voluminous literature published. But there it is again. Very many poultry keepers are afraid to get any good literature because it costs something and they cannot see any direct return for it. But fifty cents, for instance, invested in a good poultry journal would bring, in indirect returns, more than enough to pay for it, and would often turn failure and discouragement to success and pleasure.

There is, on the other hand, of course, a limit to expenditures. Fancy houses do not bring better stock or more eggs, and expensive feeds are not always profitable; but where one makes a mistake in the direction of over-expenditure a dozen practice an economy which is in the end more expensive

H. M. BORTHWICK.

It is an old saying among poultry men, "Treat your fowls right and they will treat you right." How treat them right? By proper feeding. The mission of the hen is to lay eggs. To perform that mission she must be provided with the proper material.

In the first place it should be remembered that all food should be clean and wholesome, and only what will be eaten up clean should be fed at a time.

In the morning a warm mash composed of bran, ground oats, cooked vegetable and roots, with fresh cut green bone and a little good condition powder added. At noon some green stuff, such as cut clover and vegetables. Cabbage makes a splendid food when chopped fine, especially as a winter food. Of course, in summer if the fowls have free range or a grass plot green food is not so essential. In winter, when the fowls are confined, it is indispensable.

Hens must have a variety of food to supply her physical wants, and give her a surplus out of which to make eggs. Oats are a good food, but somewhat fattening, hence should be fed sparingly. Corn should not be fed during the summer months and in winter only in moderation.

Too much over-heating and fattening foods, such as corn, oats, barley and hemp, have a tendency to cause soft-shelled eggs. If we feed fat and heat-forming foods there cannot follow the large egg-producing results.

Do not, in your ambition to get out a lot of eggs, overfeed and overstimulate. Watch the effect of the food upon the fowls and when noticed that certain foods produce bad effects discontinue them. A too steady diet of cooked vegetables at this time a year may cause a looseness of the bowels. If the cause is removed the trouble will be remedied. In case that does not check the looseness increase the supply of middlings in the morning mash.

Whole grain should be thrown among litter so the fowls will have to scratch for it. A good plan is to have the floor of the scratch shed covered with clover hay, the sweepings from the hay loft will do as well.

Green cut bone is not used as extensively as it should be, because grain can be obtained and fed with less difficulty, but as an egg-producing food bone is far superior to grain.

Green bone is more than an egg-producer, it is the best growth-promoter and maker of muscle that poultry keepers have yet discovered. Young chicks thrive on it, pullets and cockerels grow rapidly, cocks keep slick and sassy, and laying hens keep up their vitality health to a remarkable degree. In short green bone, fresh cut, is an ideal, a perfect poultry food. Give the hen the proper ration and she will lay the year around, taking only the well-earned rest for moulting. The proper ration always contains the fresh cut bone, because you cannot get the food elements contained in green bone in so convenient a form and in the right proportion in any other substance used as a food. One pound of green bone is sufficient for sixteen hens. Such diet provides fat, nitrogen, phosphates, lime and all other substances required to enable the hen to lay eggs. The cutting of the bone is now an easy matter, as the bone cutter is within reach of all.

Bones fresh from the butcher have more or less meat adhering, and the more of such meat the better, as it cost no more per pound than the bone, while the combination of meat and bone is almost a perfect food from which to produce eggs.

And last but not least is the question of expense. Green bone costs but a trifle; the time spent in preparing it is hardly worth considering, and the saving of the grain bill, not to count in the increased results, make it a source of real economy.

We must not neglect to furnish the hen with plenty of good, hard, sharp grit. Fine gravel containing lime stone will probably supply the deficiency of lime existing in most foods, but the use of some sharper grit may be of advantage. At all times the fowls should be supplied with pure, fresh and clean water.

"Treat your fowls right and they will treat you right."
Helena, Mont. GUY C. BRADWELL.

By placing a hygrometer under a sitting hen the humidity or moisture will register about 60 per cent, while in almost all makes of incubators less than half that amount will be shown. Herein lies the cause of such poor hatches in high altitudes, the air passing too rapidly through the incubator taking the moisture from the egg too fast, drying and toughening the membrane until the chick cannot break through.

Keep the breeding stock out in the open air just as long as you can, give them good housing at night,

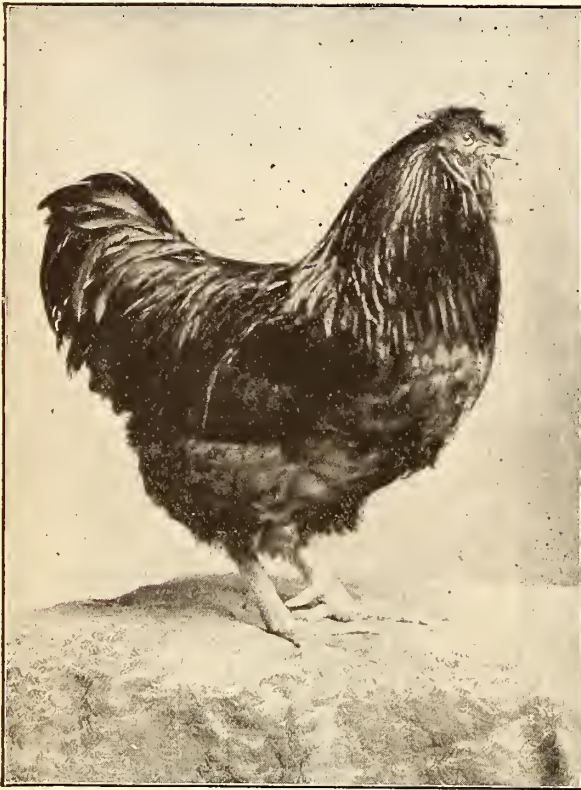
SELECTION AND CARE OF STOCK BIRDS.

New Blood a Necessity—The Essential Qualification of a Male Stock Bird—Selecting the Females—The Care of the Stock Birds.

Written by Rev. C. E. Petersen, Franklin, Me.

The subject contained in our caption is a large one, and of the utmost importance to every breeder of fancy fowls, for without proper selection of the birds that are to be used for stock purposes no progress is possible.

It is true that where no selection of stock birds is made, and the flock is allowed to breed in their own way, that a good bird may be found every now and again, but the exception does not prove the rule, as the tendency is in the downward direction, and the approved specimen would have no power to transmit its good qualities, except it was set apart from the rest of the flock, and by judicious mating and breeding back those good qualities was stored in its progeny, being made permanent by a continuous selection of those same good points or qualities which is the work of years, and whenever the end is attained, so as the transmitting power has become a sure factor in the



First prize Partridge Wyandotte cock, won at Cedar Rapids, Iowa. Owned and bred by Dr. M. E. Mighell, Marshalltown, Iowa.

stock, we then, and only then, have the right to denominate our birds a "strain."

It is therefore easily comprehended that if by selection we can permanently fasten the good qualities of our birds, and build up a flock that will have the desired points for which we have been breeding, that if the greatest care is not shown in the selection that we will fasten perhaps a number of undesirable qualities as well, and therefore careful selection of stock birds becomes one of the greatest factors in our breeding operations.

That new blood sometime or other becomes a necessity in our yards goes without saying, but that new blood becomes a deterrent to success, if continuously introduced, is a fact well known by all breeders, and this is not only true from the fanciers' standpoint, but it is also true from the standpoint of the breeder of poultry for market purposes, as it is as much a matter of importance to him, after having built up a strain of phenomenal layers, to be sure that no blood of an unproductive strain of birds is introduced, that though of the same breed and in fine feather, might spoil the work of years.

Now where a strain of birds is wanted that combines both of these qualities, beauty of feather and strong laying power, the work becomes still more complicated; that it can be done we have never at any time doubted, but still more rigid and careful selection becomes necessary, and to be positively sure of our work of selection there must be an accurate knowledge of the productive power of each female, which cannot be gained in any other way than by the trap-nest system.

Now it is easily seen that sometimes a bird will measure up to standard requirements in every particular, and as far as feather goes all that could be desired, but in the capacity of an egg-producer being the poorest bird in the flock her few eggs would be of value from the exhibition purpose of view-point, but it would breed into the flock the undesirable trait of poor laying.

The temptation is great from the fauciers' point, and let us suppose that he falls into it and does use her as a breeder, and well mated she gives him a few fine birds, and among them is a male bird of exceptional qualities as far as show room purposes are concerned, and he selects this bird for breeding the next season, and there is nine chances out of ten that he will just do that thing, but what is the result? He has mated a male bird whose dam was a very poor egg producer, and who will transmit this undesirable trait to a number of other females, and in a few generations he may build up a strain of birds fit for exhibition but far from satisfactory when it comes to the number of eggs laid.

No; it would have been better to have resisted the temptation and refused to breed from the bird that was a poor layer, as that is the very method that was pursued in the destruction of the phenomenal egg laying capacity of a number of the older breeds; but if careful selection of the stock getters had been carried out with the view in end to preserve that most essential trait they would be as popular to-day as they were thirty years ago.

We believe in fine feathers and birds fit for exhibition, but at the same time in the selection of our stock birds we never lose sight of the utility qualities and strong vitality, for these two last-mentioned requirements are as necessary as life itself for the preservation of the species, and without them the show bird would very soon become extinct.

THE ESSENTIAL QUALIFICATION OF A MALE STOCK BIRD.

First of all take his health into consideration. You ought to know all about him, if he is fit to be thought of as a stock bird, for you will have noticed him from a chicken half grown to maturity, and if he ever showed any signs of poor health discard him. An ailing male bird is no stock getter and will only give you disappointments as a breeder. He must be a strong, healthy bird, as his verility largely will depend on that, and as strong potency should be one of the first considerations in a male stock bird, his complete health is of the greatest importance, as it will save you much trouble in your future breeding operations, and let me say one word here in warning against that foul disease, roup. Watch out for it like you would for the most evil thing that could befall you, and let me tell you right here, and I mean every word of it, if roup should enter my flock I would kill and burn every specimen, however valuable. Under no consideration whatever would I try to cure and save any of them. I would prefer to move out and begin over again than try to make a success with a rousy flock of birds.

He should be persistent in his attentions to the females, even to the forcing of an unwilling mate to receive his attentions. A male that will be baffled in this respect willingly will never make a good breeder, nor will a male who will give all his attentions to one or two females in the flock and refuse the others.

Let him be chosen from a dam who is a good layer, as he has more influence in this respect, as has generally been conceded. And now in regards to the points of Standard requirements. Try as far as possible to make him measure up to all of them. It has been stated too many times that the male is the half of the pen. I am inclined to say that sometimes he is the whole of it, as he will influence every female he is mated to, and if a mistake is made in his selection it cannot be remedied very easily, as he has marked all his progeny.

If a mistake is made in the selection of a female the mistake is limited to her progeny only, which can be remedied, but as has been shown this is not so with the male.

Then again if a male is chosen who is faulty in any of the standard requirements that are inherited we may try to make it up by mating him to females that has not the same fault, but the trouble of it is that we must mate back for good results, and if he was used for such a purpose we would simply intensify the defect, so far that reason see that it is free from any serious defects.

A male stock bird should be a representative specimen of

his breed, with all the breed characteristics well pronounced, and with no physical defects of an inheritable kind.

Crooked toes, crooked back, wry tail, however slight, crooked breastbone, fallen and twisted combs and others of the same character are not to be tolerated in a male stock bird.

In plumage and the color of same let him be the very best that you can select, as his influence is very potent in this respect, and be very sure that he is well furnished in saddle, hackle and tail feather, as a male bird poorly attired in this



The champion R. C. White Orpington cock of the world. Winner of first prize at St. Louis and two firsts at Chicago. Owned by F. C. Bailey, Reading, Mich. See ad elsewhere.

respect loses more than one-half of his beauty, and worse than that, it is inherited, and is one of the things that is likely to be underestimated in its selection.

SELECTING THE FEMALES.

Here, as well as in the case of the male bird, health is first of all to be considered, and females of a good strong constitution should be the first choice in selection, and next size, which also is of great importance. Size in the females is productive of the so much sought after way of how to keep up standard weight, for be it known that if breeding is continued from undersized females it will pull down the strain in size even if a male bird is chosen that is larger than the standard calls for.

The females, if up to the required size called for in the standard and representative of the breed, will increase the size in the progeny of an undersized male bird, but it seldom, if ever, comes out that way if the females are not what they ought to be in size.

Never to breed from undersized females solves the problem of keeping the birds up to size, as all the feeding and forcing you may use will never do the trick if the trouble is bred in the bones.

Let them be uniform in size, shape and looks, as that will secure uniform results in the progeny and show of good breeding. It gives style and individuality to a flock that attracts attention.

This uniformity is always found in a strain of noted breeding, and a judge can pick out at a glance birds belonging to it as easily as if they had the breeder's name stamped on them. Otherwise select the birds that come nearest to standard requirements, but do not use any females with any physical defects, as most of them are hereditary. I of course do not mean any defects that have come by accident, as this last would not hurt the breeding quality of the bird.

If it is a matter of doing the best you can out of a lot of birds that don't score very high, any of them, see to it that the same defects are not present in both male and female, for if they are you will simply breed them in to a greater extent and aggravate matters.

This is all we can say about selection in a general way so as to apply to all varieties, but they are important, and so important that except given attention the question of breeding to feather is out of the question.

THE CARE OF THE STOCK BIRD.

The care of birds to be used for breeding purposes differ to some extent from the care of the rest of the flock, as forcing

for eggs should in every way be depreciated. Any kind of feeding that will tend to stimulate the egg organs into an unnatural activity cannot give the desired results in the breeding yard. The main object should be eggs for hatching purposes, and as this means eggs strongly fertile everything productive of this condition should be utilized.

This means that all fattening foods should be discarded and a mixture of dry grain used as the main rations, and this should be fed in litter, so the birds will be kept active in procuring it. If the birds are fit to breed from, they will be only too pleased to scratch for it, which exercise will keep them in good condition.

Plenty of green food, pure water, grit, fresh air, and sunshine, with a good clean dust bath, will make up all the necessary elements of comfort in the breeding pen.

There is not much science in feeding poultry; for good results, whatever the results desired may be, use common sense, and you have one of the great essentials to correct feeding and management, and this is best shown in the way that some men succeed where others failed, and under same conditions.

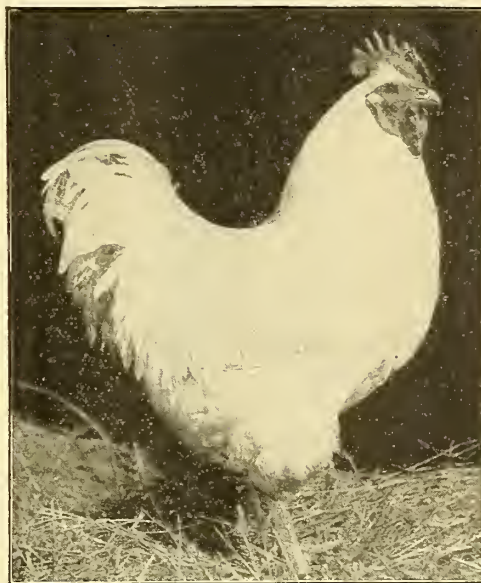
When the breeding pen is made up, give attention to the male bird, and see that he don't go to roost at night with an empty crop.

WHY INCUBATOR CHICKS DIE IN THE SHELL.

There seems to be wide and varied opinions as to why chicks die in the shell, many claim, which is true in a sense, that the germ is weak, caused by too close inbreeding. It is true also that we find weak germs at times when the parent stock is not related.

Too close confinement, with little or no exercise, or improper feeding, will also cause chicks to die in the shell, the germ not being strong enough to withstand the various changes during incubation.

The writer is fully convinced after many careful demonstrations that while the above causes are partially true, that the main cause is improper ventilation, that chicks suffocate from insufficient air. The ventilation of almost all makes of



J. L. Jefferson's (Des Plaines, Ill.) White Plymouth Rock cockerel that won second at the World's Fair, St. Louis.

incubators remain practically the same from the beginning to the end of the hatch, and that while this ventilation may be just right at some stage of the hatch, it certainly is not right all the way through. If the proper amount of air passes through at the beginning of the hatch, the ventilators being of a given and stationary size, then as the chick grows it must have a greater amount of air, and as it is not forthcoming suffocation follows.

The system of ventilation in incubators of to-day is such as to cause a draught, drying the eggs too fast, causing the membrane or lining beneath the shell of the egg to become tough, so much so that at hatching time the chick is unable to break through, many even dying in the shell after being pipped, whereas if this membrane should be kept soft and brittle, as when fresh laid, the chick would easily have picked its way out.

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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide circulation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Advertising rates are sent upon request.

50,000 A. P. J.'s for December, 1905.

State of Illinois, County of Cook, ss.

Chicago, Nov. 27, 1905.

J. G. Budde, secretary and treasurer of Regan Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding fifty thousand copies of the December, 1905, issue.

J. G. BUDDE.

Subscribed and sworn to before me this 27th day of November, 1905.

BLANCHE ELDER EDDY.

Notary Public.

GUARANTEED SUBSCRIBERS.

To our subscribers the display advertisers of the American Poultry Journal are guaranteed; that is, if any advertiser using display space in these columns is proved to be a swindler, the American Poultry Journal will make good to the subscriber the amount lost. We do not guarantee that men in good standing shall agree in their opinions; we do not guarantee nature against infertile eggs, but we do agree that in case a downright swindler succeeds in swindling a subscriber, we will reimburse that subscriber and publish the rascality of the swindler. We ask, in consideration of this guarantee, that our subscribers, when writing to an American Poultry Journal advertiser, say, in every case, "Saw your ad in the American Poultry Journal." In no case will this be to your disadvantage, while in many cases it may serve you well. In either event we shall be obliged to you.

Whose Leg is This Boot On?

"When a fancier desires to make enemies he should become a poultry judge," says a breeder sarcastically. He would have us believe all fanciers are afflicted with sorehead. When the average fancier knows the judge to be honest he takes his medicine with good grace, even though he be left out in the cold as regards ribbons. We cannot see the faults in our own birds that others do, and the judge, if he be honest and impartial, sees the faults in all and awards accordingly. If we could see our birds as others see them, any of us would be competent to judge any class in which we were exhibitors. Judging is a thankless task, as many will testify, but there are some pleasures about it. There is more room in the ranks for good, honest, straightforward judges, but is there not also

room for more exhibitors who can take their pill quietly? More sincerity of purpose, integrity plus—these can be advantageously mixed into our thoughts and actions. An honorable man can be known because of his honor in the fancy's ranks as well as elsewhere. Last winter a certain fancier, whose opinion on a class is worthy of note, accused the judge of not knowing his business and about all else in the catalogue of incapacities. Later the fancier humbly begged pardon and today he is still penitent. His outburst of wrath was smothered by the manhood within. A few more who can make good showmen of themselves will aid the industry.

Hagerstown, 1905.

Webster says that Hagerstown stands for good fellowship; brotherly love; the right hand of kindness; where good feeling runs rampant and oratory comes into its own. Any or all of these are good. McGrew, he who always saves the A. P. A. sessions from that chasm of nothingness; who binds us in his thoughts until we can hear the pin drop; Dr. Lea, of true southern eloquence; Blanton, that champion of the great commonwealth of Virginia, and Miller Purvis, whose ideas blend so kindly with yours, though they be a trifle different in their exact tone—all these met with us at Hagerstown. At the annual banquet Mr. Purvis paid a feeling tribute to the memory of John L. Cost, late superintendent of poultry and who built up the greatest fall poultry exhibition in this country. Mr. Purvis' tribute overflowed with love, sympathy, sadness, kindly spirit, sublime eloquence. Nothing could be added which would increase the tenderness of his words, nor can we refrain from all appreciation of the deceased as we knew him.

A Remedy.

At the majority of fairs this past fall the judging was enough to drive anyone from the ranks. It does seem queer that after advertising a country fair poultry show quite extensively, after providing money for prizes, that the management would provide a suitable judge. All over the West and many dozen places in the East the obtaining of good poultry judges is left till one cannot be obtained. There is only one thing to do to remedy the evil: Let the breeders most interested in a fair get together and wait upon the fair's board of managers when they are in session. Then they may be able to get some concessions. As long as fanciers do not work together to obtain good judges, that long will the fairs be poorly handled. Let the fanciers keep hammering directors, managers and poultry superintendents till they get what is really needed.

Joe Farmer Dead.

Mr. Joe Farmer died at his home near Flushing, Ohio, on the 2d of October. He was the oldest fancier and breeder in that state.

Joe Farmer was born, lived and died near Flushing, Ohio, and there his life work as a poultry breeder brought him reputation all over this country. Over thirty years ago he began breeding

fancy poultry on a town lot, but needing more room for his increasing business he secured a small farm and there carried on the breeding of Plymouth Rocks on a rather large scale. His close attention to business and his skill in selecting and mating soon brought him reputation and trade, while his sterling honesty and fairness made friends of all who dealt with him. Mr. Farmer was a veteran of the Civil War, and had been for forty-five years a member of the Methodist Episcopal church. He is survived by his wife and seven children. A host of friends sympathize with them and deplore the loss of a man who was a credit to any profession. We know the fanciers will be grieved to learn of his death.

When West Meets East.

There is something in the air! When East meets West and the hens cackle, and the cocks crow, we shall see what we shall see. T. E. Orr, Geo. H. Burgett, Geo. D. Holden—knights of hendom, and true—will hit the trail across this Western hemisphere, leaving their footprints on the mud ball, called Mother Earth, to judge the California state show! Ye ghosts of New York winners! how we were startled when the news reached us. Our brains grew dizzy and through space we groped for an unthunk thought. 'Tis here: The enterprising Westerners want more light on the science of henism. They ask these pillars of the judges' dusts in to their coming love feast and hen show to dispense knowledge and test their interpretations of the new standard—and they'll get this and more, straight from the shoulder. As an advertisement for show and judges the plan will be a leader. And it will help to bring the effete East and ready West closer to the boundary of exactness, as laid down in the law. We await the outcome and shall watch coast journals' comments closely. Out of the union may there come good.

From the news that crosses the pond one would say that the pigeon fancy is in full bloom in England. At a recent auction of a fine loft of Owls some long prices were realized, the whole flock bringing nearly \$4,000. Truly, this must be a record sale. There were only something over a hundred birds in the collection, but they were top notchers, indeed. It would take a great deal of enthusiasm, it seems to us, for one to bid such a price on the birds of any kind. But does not the maker of a top sale get the best there is in advertising as a result? We think so; and further, that he ought to be advertised.

* * *

And now an Englishman is trying his hand at the Gold Barred Plymouth Rocks! This seems to be a hobby for two or three on this side of the water, also. No doubt the finished product of some breeder's skill will be placed before us some day soon. Imagine, if you can, the last rays of a setting sun casting their entrancing lights on the plumage of a Barred Plymouth Rock, barred in gold and white. The glory of a peacock, dazzling qualities of a Rubens, warm with color; the practical qualities of a bumble bee—all these merged into a fowl, and that fowl the Golden Barred Plymouth Rock. When

the sight of this bird, perfected as only it should be, before giving to a poultry-mad public, is met by our growing dim eyes— Oh, thunder! The idea is elusive, and now is gone. Pardon us for the effort, please.

Artist Sewall reports from across the Atlantic that the Red Sussex fowl of that little isle is almost the counterpart of the Rhode Island Red. The latter has the yellow beak, skin and legs while the former has the white or pinkish white.

It would require more diplomacy than the ordinary fancier among us possesses to draw the line between faking or trickstering and honest showing. Where does the one cease and the other begin? When does fitting stop and artificiality commence. A writer in the great English *Poultry* says he has noted that the most serious refitting of fowls for shows occurs among the biggest and most advertised breeders. This writer may not be able to justly draw the line. One thing is sure: He has positive convictions!

Some of the leading English specialty clubs have been asked by some Canadian shows to contribute special prizes. Mr. A. W. Bell, secretary of the Canadian National at Toronto, asks some of the English clubs to offer specials at that exhibition. He says that the Canadian National will reciprocate. *Poultry*, our English contemporary, suggests that this might be a valuable exchange between the mother country and her colonies, and that it would help Britain's international trade.

The Kansas White Wyandotte Club hoped to do better in the laying contest they inaugurated than the results show! The White 'Dottes were woefully beaten by both the Rose Comb White Leghorns and the Single Comb White Leghorns, as well as the American Reds. Six Single Comb Whites laid 585 eggs during the year; six Rose Comb Whites, 528; the American Reds 520, and the White 'Dottes 799! Buff Wyandottes, Barred Rocks and Light Brahmas finished in the order given. Only ordinary care was given and no hot mashes were fed. This should whet the appetite of Coburn, that Kansas advertising wizard, and get him to start a contest that would really be a competition and advertise the state immensely.

We are informed that a very fine exhibit of Columbian Wyandottes is expected at Madison Square Garden, New York, and quality that will astonish all breeders and judges. A large string of specials is offered and a meeting is called, the object of which is the formation of a club. We are informed that all papers are in the hands of the secretary of the American Poultry Association,

and the admission of the Columbians is assured at the next meeting in Cincinnati in January. Leading breeders of this variety report wonderful interest in this variety; many of the oldest breeders and judges taking them up. It is said wonderful improvements have been made in them the past year.

Whispers of the wind tell us that an order from the court will force the American Reds into the standard. Cincinnati may yet become famous in the history of the American Poultry Association!

Gradually new ideas of worth enter into the management of poultry shows. The great Eastern poultry exhibition is held at the Grand Central Palace, November 13-17, this winter. The famed horse show takes place at the same time, which the directors hope will aid the out-of-town attendance. The same management that held the Herald Square show last year is in the saddle. A new rule, and one that may prove to be good, is that the names of no judges will be given out until entries have closed and the catalogue of them printed.

ON MY COUCH IN NEWTON HOSPITAL.

EDITOR BATES:—In reading your report of the A. P. A. meeting at Hagerstown I see I am accused of publishing a book, *Standard of Perfection*, to sell at 25 cents, published by one Donohue & Co.

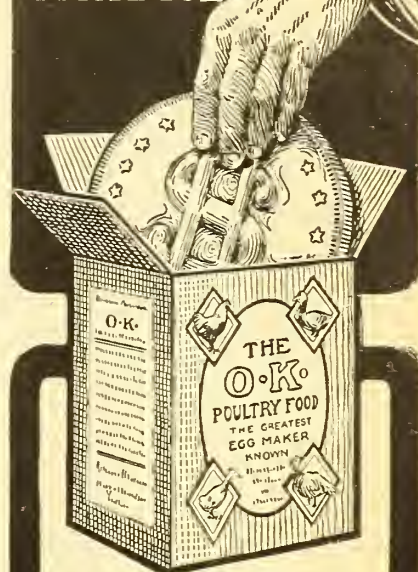
This is false. I have not put such a book on the market and have no pecuniary interest in the same; have not seen the book even.

Again Mr. Crawford asserts I am no longer a member of the A. P. A. Again this is false, as you were the presiding officer at Rochester and know that instead of giving me the honorable discharge I asked for that I might not be censured for adhering to the decimal system in applying the Standard—that instead of giving me the discharge they passed a vote of confidence in my attitude towards the A. P. A. I ask you to print an article in keeping with this letter denying the aspersion offered by Mr. Crawford. I still am loyal to the written description of the Standard but utterly opposed to its application by the 11 or more scales of points demanded, for strict justice can only be secured to all breeds alike only by one rule and score card in applying it.

I. K. FELCH.
Since receiving the above letter we have another letter from Mr. Felch as follows:

"Since writing you, I learn that the book in question is a reprint of a portion of my book 'Poultry Culture' under a new name, put out by Chicago book publishers; done wholly without my knowledge or sanction. I. K. FELCH."

PROFIT IN EVERY PACKAGE



O. K. MAKES POULTRY PAY

O. K. Poultry Food is the greatest egg-maker known. It keeps fowls healthy and active, and by invigorating the system puts it in shape for increased egg-production. It is a pure, guaranteed conditioner—in other words it furnishes the elements needed to put the physical and egg-making organism in perfect condition. The digestive organs are assisted, the vitality increased and your hens look better, feel better, grow better, and lay better. Instead of scrawny specimens, which are too weak and worried to lay, or overfed fowls, which are too fat and lazy to do so, you may just as well have a fine flock of feathered beauties piling up profits in the shape of eggs and meat. Why not begin feeding

O. K. POULTRY FOOD

and make your poultry pay? O. K. Poultry Food cures Gapes, Roup, Cholera, Indigestion, Leg Weakness, Diarrhea and all kindred diseases—promotes growth and development in young fowls. We prove our claims by the experience of our customers. Witness the following:

Bine Island, Ill., Jan. 16, 1905.
The O. K. Stock Food Co.,
Monon Bldg., Chicago.

Gentlemen:—I take pleasure in saying that I have used your O. K. Poultry Food for three seasons and after having had experience with several other makes, have decided that your brand is superior to anything else offered in this market, and have for the last two years used it exclusively. I am very well pleased with the results obtained as my fowls are in the "pink" of condition and certainly produce eggs in larger quantity than when I undertook to do without any food of this character.

You are welcome to use my name and endorsement at all times.

Yours very truly,
[Signed] J. CUNNINGHAM,
Breeder of Rhode Island Reds.

Trial size mailed for 10 cents.
O. K. Stock Food Co., 408 Monon Bldg., Chicago

Bred to Win and Bred to Pay

2000 OF RANKINS ROYALS OR AMERICA'S BIG FOUR

Barred, White and Buff Rocks, and White Wyandottes that are **bred for quality in every way**. You can't afford to buy show birds or breeders before writing me. I will mail you the handsomest catalogue you ever received if you will mention this paper.

H. P. RANKIN Box 61, Hartington, Neb.

CRITICS AND CRITICISMS

There are a few criticisms being offered by the knowing ones of the poultry fancy at more or less opportune times, and in this department I shall bring them before the many readers of this journal, that they may know what others think and are saying. Editor Bates has been very kind in allowing me the use of a pen name and I trust that if I occasionally overstep the boundary of judiciousness in the use of it that readers will pardon me. I take a great interest in what the brethren do and say, because in, around and about their words and actions, are straws which show the direction of the wind. Now, we are off!

Geo. E. Howard, editor of the Feather, has, in the last few issues of that paper and his American Fancier, been busy pointing to the fact that Boston's dates and those of Cincinnati conflict. He tells why they should not conflict in plain language. Read it:

"For some unknown reason the management of the Cincinnati show and the president and secretary of the American Poultry Association have selected the week of January 16 to 20 for the next meeting of the American Poultry Association to be held in Cincinnati, Ohio. There is scarcely a poultryman throughout the United States that does not know that that week is the week always selected by the management of the Boston show. It was announced last winter during the show that the same week would be taken for January 16, 1906. It was thoroughly well known that matters of the gravest interest to the eastern breeders will be brought up at the Cincinnati meeting; yet in the face of all this, the responsible parties above mentioned have selected and announced the Boston dates. It would be utterly impossible for the Boston management to change their dates, from the fact that they must make contract for the hall a year in advance, the same as must the New York management for the Garden show."

We clip this from Fancier of November 11. In previous issues he said that this conflict of dates looked like an invitation for Eastern members of the A. P. A. to stay away from the Cincinnati meeting. He suggests that some have used their influence to take the meeting as far away from the Eastern contingent as possible. It is further suggested that a feeling has already begun growing and that this may ripen into an outspoken accusation against those who have used their influence. We are not acquainted with the facts of the case and grope about blindly as does our editorial brother. Perhaps, after all, the conflicting shows have not been prearranged. Let us hope for the best!

Our friend Drevenstedt, of Johnstown, sage of hendom and filler of the duster, says there are a few of us yet who would disqualify a good bird because of a bit of off color. He hopes the day will come when color disqualifications are let to slide and "rational" laws govern the awarding of prizes. Like some others, he omits giving us a remedy. A philosopher has said we should not tear down unless we are able to build something better. And

Drevenstedt should think of this. When disqualifying clauses are even partly done away with the mass of buyers are rather unprotected, eh?

* * *

Editor Atherton, of the American Stock Keeper, says that the Standard is not explicit enough concerning the disqualifying clauses and the existence of down on feet and shanks of bare-legged specimens. If the Standard is not explicitly worded it is because the makers overlooked it. That's the way it looks to us, at least.

* * *

It is good to see or read a man's argument when that man is a square debater. Mr. Sledd, of the Hen, has been accused of upholding the practical side of the industry too much when his support comes from the fancy. The fancier, says Mr. Sledd, gets the biggest part of his business from the practical poultryman and this demand is constantly increasing. This is exactly what we think of it, and the accusers of Mr. Sledd had best awake.

* * *

The criticism I shall here apply to poultry associations will be more in the nature of hints. Now, that the premium lists begin to flood in on us again the idea strikes me that it would be a good plan for secretaries to embody in their lists the past records of their association pertaining to previous shows only. Let them tell how large each show was for the past three years at least. Use a page and make a sort of table telling when premium money was all paid, size of show, where held, number of exhibitors, number of birds and of birds in each class.

Why do all this?

Because there are a good many shows in one section, and a table of this kind would help the unknowing and prospective exhibitor to place his exhibits and better plan the show campaign. Every year there are new exhibitors who hardly know where to show and the majority want to get into something deeper than average competition, hence tables of this kind would aid them. If they wanted to get in slow company the table would help even then, wouldn't it?

The writer invites criticism of the suggestion, and answers should be sent to American Poultry Journal for the Critics' department. We learn most by sifting all our ideas and selecting the best for use.

* * *

Mr. Schareman of Commercial Poultry seems to strike a popular cord in his late editorial concerning the abolition of the custom of electing the president of the American Poultry Association from the state in which the annual meeting is held. We are pleased and again not pleased to see a number of the brethren of the country taking up this foolish old custom, as they call it, and tearing it to threads. We are not pleased because it will injure the aspirations of many who hope to be officers of the association in the near future, and it will please many who have the best interests of the association at heart. There is one thing sure, and that is that the A. P. A. should get down to business and elect the best president or the best man fitted to the presidency of the association, regardless of his residence.

We think that the A. P. A. should elect its president for two years and not allow him re-election, telling him that two years is long enough for him to make his mark and hand it down to the poultry breeders of the country. We may have more to say concerning this when the opinions of others are seen.

* * *

Some say the new Standard is not well received. Others declare that "it's a dandy" and laud it to the skies! Well, we like it, anyway. And, too, this is a free country. The reader may dig our meaning out for himself. To date, so Mr. Orr tells us, there have been ordered and paid for 8,800 copies of the new edition. Mr. Orr was criticised when he said that by the first of July, 1906, all of 10,000 would be needed. But the fanciers have helped him make good his statement. The few errors in it may aid its sale, as at times we see one who buys just to find the flaws and faults! With an errata slip printed and mailed to those interested enough to send a stamp for it, the work will suit thousands.

* * *

While mentioning Secretary Orr it might be well to tell how he calls himself on the carpet. He stands back and away from his office and affairs long enough to see it in perspective. Then he criticises himself, as it were, and this probably has much to do with his efficiency. His last report, dated November 15, shows that as time goes on he is that much better prepared to execute the duties of his office. He is, indeed, a patron of detail and goes into it fully. He tells us that there are to be some changes in the constitution, if members will have it that way, at Cincinnati. Also that six of the executive committee signed a petition for a called meeting of the A. P. A. at San Francisco on November 30, 1905. This meeting is to better acquaint the Pacific coast with the association. We understand that he, President Holden and Judge Burgott are to officiate at the coming San Francisco show and that the actual business of this called meeting will be for the purpose of receiving new members. There will be nine new varieties of Orpingtons clamoring for admittance to the Standard at Cincinnati. The Rose Comb Buff Leghorns and Rose Comb Rhode Island Reds will also come up for entry.

* * *

There is a man in New York named Fred Van Patten and he built a new poultry house, so the story goes. After the cement floors were laid, the paint was dry and the whole was exceedingly good to look upon, the churches of two little hamlets, Manlius and Fayetteville, united and held a meeting calculated to display much good feeling and kindly cheer. Van Patten is a Syracuse business man, who thinks lots of his hens. His new poultry house is a round building boasting of ninety windows and is seventy-five feet in diameter. It's one of the best in the state, so poultrymen say who have seen it. The night of the entertainment the new henhouse rafters resounded with music and song and was voted a cackling success! We are patiently awaiting the next.

SPECTATOR.

A TRIP IN THE EAST

A Representative of American Poultry Journal Visits Some of the Large Eastern Plants and Makes Brief Mention of Same.

Our first visit was to the home of E. L. Miles, at Sag Harbor, L. I., N. Y., where the great Montauk strain of Barred Plymouth Rocks is bred, and here we found Barred Rocks in their purity. Mr. Miles has devoted the past 29 years to the development of this variety, and while he has never exhibited outside of Long Island, birds of his strain and breeding, have won in nearly all the large shows of the country. A visitor to Mr. Miles' home will find nothing but Barred Plymouth Rocks, and at the time of our visit Mr. Miles informed us that it kept him busy supplying the demand for good exhibition and breeding birds. Mr. Miles, with his years of study and experience, is able to so mate his birds that the percentage of really good birds is something to wonder at.

While in Sag Harbor we visited the yards of Mr. Warren Sherman, who is another Barred Rock enthusiast. Mr. Sherman was not at home, but we took the liberty to look over his flock, and he certainly had some good ones, and we predict that he will be heard from in the show room in the near future.

Our next visit was to Gedney Farm, White Plains, N. Y. The poultry department of this farm is under the management of Mr. Frank Gaylor, the well-known poultryman and judge. Mr. Gaylor has probably planned and started more large poultry plants than any other man in the east, and the Gedney plant is a creation of his, and is one of the best arranged plants we have visited anywhere. Mr. Gaylor is a Buff Orpington enthusiast, but he has on this plant several varieties, and nothing but the best of each. Our visit here was very short, as it was late in the afternoon before we arrived, but nowhere on our trip did we spend a more pleasant two hours, and one who visits this plant may feel assured of a hearty welcome.

From White Plains, N. Y., we went to Waltham, Mass., and spent a half day in the Grove Hill Poultry Yards. Mr. Smith, the manager, was absent in Boston, but under the guidance of one of his assistants, we made a trip over the entire plant, where we saw Single Comb Brown Leghorns and Barred Plymouth Rocks by the hundreds. This is one of the largest poultry plants in the east devoted to the raising of thoroughbred fowls, and we were surprised to learn that all the hatching and rearing is done with hens. The young stock in Barred Rocks on this place were exceptionally fine. Birds from these yards, it will be remembered, made a remarkable record at the big Chicago show two years ago. They also won ten first prizes at St. Louis World's Fair last year. In fact, they always win wherever exhibited.

We also paid a short visit to the yards of the late C. F. A. Smith, Waltham, Mass., where we looked over as fine a bunch of White Wyandottes as will be found anywhere. These yards are under the direct management of Miss Smith, a sister of C. F. A. Smith, who had been breeding White Wyandottes for the past sixteen years, and she is keeping the stock up to the same high plane where her brother placed it.

From Waltham we went to Lancaster, Mass., the home of A. C. Hawkins and C. H. Latham. In the yards of Mr. Hawkins we saw some very fine specimens in Barred, White and Buff Plymouth Rocks and Silver, White and Buff Wyandottes. There is probably no man in the poultry world that is better known than A. C. Hawkins, who has been breeding and advertising Barred Plymouth Rocks for the past twenty-five years. The other varieties he took up at a later period, but breeds them to the same high

standard he does the Barred Rocks. Mr. Hawkins showed us a Barred Rock cockerel that will probably be heard from at Madison Square. He certainly was a fine specimen.

Owing to lack of time we were unable to go through the yards of Mr. Latham, but spent a short time at his home, and talked "chicken" with him. He is a great admirer of the Barred Plymouth Rock and certainly knows how to breed for best results, as his show record proves. He is preparing a string for Madison Square Garden show and will no doubt win his share of the blue ribbons.

Our next stop was at Lee, Mass., where we visited the yards of Bradley Bros. The name Bradley is so closely associated with Barred Plymouth Rocks that it

Another New Prairie State Improvement The Fresh Air Incubator

The Open Front House

It is conceded by progressive poultrymen everywhere that perfect health is absolutely essential to a large production of eggs of the greatest possible fertility for hatching. Nothing contributes more to perfect health than the open front house, where the fowls are protected from the rain, wind and weather, yet live in the open air. Such birds are strong and vigorous, overflowing with vitality and will return more for their care and feed than birds housed by any other system. The open front poultry house is another practical demonstration of the value of fresh air.

The Open Front Coop

When the poultryman desires to grow young birds for best development, or for largest profits, he puts them out of doors in an open front colony coop. Under which conditions chicks develop naturally, store up vitality for future need, grow hearty and rugged, and are in prime condition by autumn. If intended for market, they put on flesh in the fattening crate in the least possible time at least cost. If intended for breeders the outdoor grown bird will be the most productive. Fresh air is a tonic—a vitalizing force which nature supplies free of cost. If we do not shut it out it works for our benefit.

The Open Air Treatment For Building Vitality

The most successful treatment for tuberculosis, in human beings, is known as the open air treatment, where the patient lives out of doors in a tent or house with canvas walls, because experience has shown that only by this treatment can the fast waning vitality be restored and the best conditions prevail for winning what otherwise would be a losing battle with this dread disease.

The Virtue of Fresh Air

The open front poultry house, in which birds are exposed to unlimited quantities of pure, fresh air all the time, makes strong breeders, which lay highly fertilized eggs, and young stock which grow rugged and fatten quickly and profitably. And what is true of fresh air for fowls and chicks is equally true of fresh air for the growing germ in the egg. The best results in hatching are attained by allowing the eggs to remain in the same natural air conditions during the process of incubation. This is possible in the 1906 Standard Prairie State open bottom Incubator—the latest addition to the great Prairie State line—which applies the benefits of fresh air to artificial incubation in an entirely new and effective way, making it possible to raise healthier, brighter, stronger chicks. This new feature and many others are fully explained in our new, FREE Standard Prairie State Incubator catalog—just out of press. To keep up-to-date you ought to read this book. Write for a copy today, also ask for new brooder catalog. It's FREE, too. Progressive poultrymen know that improvement is the order of the day—that new methods and new machines are constantly being devised to simplify the processes of incubation and brooding. We're making so many improvements that we are issuing new books all the time describing them—ask us to put your name on our mail list so you'll get them all FREE as fast as they are published.



**The
Open Bottom
Fresh Air Incubator**

Prairie State Incubator Co.

468 Main St.,

Homer City, Pa.

seems hardly necessary to mention the variety. Here we saw many of the famous prize winners and their offspring. Bradley Bros. have bred Barred Rocks for more than twenty years, and for the past sixteen years birds of their breeding have been winners at the great New York show. They had about twelve hundred head of young stock on hand at the time of our visit, and among them were some very fine specimens, especially in the male line. They keep a very accurate pedigree of all their stock, and can tell the breeding of every bird on the place, and it is this method that has enabled them to put their strain in the front rank, where it stands to-day.

Our next stop was at the home of C. H. Welles, Stratford, Conn., at which place we arrived too late to look over the place, but had a very pleasant visit with Mr. Welles and his family. Mr. Welles is another Barred Plymouth Rock breeder who has made an enviable reputation. In fact, his reputation as a breeder of Barred Plymouth Rocks is world wide, and only a short time ago he was visited by representatives of the Japanese government, who purchased two pens of his birds to go to that country. Any one who goes to the New York show should not fail to get acquainted with Mr. and Mrs. Welles.

At Newburgh, N. Y., we visited the Aspetong Farm Poultry Yards. These yards are under the management of Mr. J. J. Anthony, and are devoted to White Wyandottes and White Leghorns. Mr. Anthony had just returned from the New York show, where he had made some good winnings on White Wyandottes. This plant is comparatively new and the buildings are all of modern construction. They were just finishing a cockerel house, which for convenience and economy is far ahead of anything we have seen in our travels. Visitors are always sure of a hearty welcome here.

Our last visit was to the yards of Wm. Cook & Son, Scotch Plains, N. J., the originators of the Orpington fowl. Here we spent a couple of hours admiring the beauties of this useful breed, and listening to Mr. Cook explaining the good points of this or that bird. This firm had a large string of birds at the Great Eastern show in New York City, and Mr. Cook informed us that they won 18 first prizes, and that their total winnings at this show amounted to over a thousand dollars. This plant is beautifully located on the main road to Jersey City. The housing capacity at the present time is about 5,000 birds, and they are constantly adding new buildings and yards to this already large plant. They are compelled to do this to meet the demands of their rapidly growing trade. Visitors are always welcome here and will go away feeling well paid for the time spent.

JAS. W. BELL.



GREIDER'S FINE CATALOGUE
of Standard bred poultry for 1906, printed in beautiful colors, contains fine Chromo, illustrates and describes 60 varieties. Gives reasonable prices for stock and eggs, tells all about poultry, their diseases, lice, etc. This book only 10 cents.
B. H. GREIDER, RHEIMS, PA.

Flushing Poultry Yards
H. D. ALDRICH, Prop.

LEGHORNS

ROSE COMB BROWN,

2d prize pen Madison Square, New York, 1905.

ROSE COMB WHITE,

1st prize pen Madison Square, New York, 1905.

ROSE COMB BLUE

1st prize pen Madison Square, New York, 1905.

BAYSIDE AVE., FLUSHING, N. Y.

The Great Eastern Poultry Show.

The Second Annual Exhibition of the Association of Poultry and Pet Stock Breeders--Held in Grand Central Palace, New York City, November 13-17, 1905.

Written by J. W. Bell, Associate Editor, American Poultry Journal.

This show is the creation of Dr. Paul Kyle, Flushing, L. I., N. Y., and is the second one under his direct management. While some claim that there is no necessity for two shows in New York City, others say that there is plenty of room for both, as long as they are held two months apart. This show is of a local character, and the management is to be commended for the attractive and nicely arranged display they prepared for the public on such a short notice, as we understand they were less than six weeks in getting this exhibit together.

There was something over twenty-one hundred fowls on exhibition, and while some of the classes were small, others were large enough to offset this. The birds in all the classes were of fair quality and exceptionally good in some.

The Barred Plymouth Rocks were rather a small class, but some good individual specimens were shown.

The White Plymouth Rocks were well represented by as good a lot of this variety as one would care to look at, and the competition was keen.

The Buff Plymouth Rocks were a very small class, as was also the Partridge Plymouth Rocks.

The Wyandotte family was well represented, and the Whites were especially strong and the competition very hot.

Black Langshans were few in number and of medium quality.

The Orpingtons were the strongest class in the show, being represented by the Buffs, Blacks, Whites and Jubilees, in both rose and single comb.

Single Comb White Leghorns were also well represented; in fact, the whole Leghorn family.

Minorcas were also fairly well represented.

The surprise of the show, to us, was in Indian Games. They were out in goodly numbers and the interest taken in them shows that the fanciers are taking renewed interest in this variety.

The Rhode Island Red fanciers made a very creditable showing, and the prizes were well distributed.

There was a good display of turkeys, ducks and geese, and some choice specimens were shown.

LIST OF EXHIBITORS.

James Aird, Matteawan, N. Y.; Louis Anderson, Bloomsbury, N. J.; W. M. Anderson, Oak Summit, N. Y.; J. W. Andrews, Dover, N. J.; Albert Ballinger, Bellville, N. J.; Aspetong Farm Poultry Yards, Newburgh, N. Y.; A. T. Beckett, Salem, N. J.; Geo. M. Bell, Voorheesville, N. Y.; E. Bergquist, Bloomfield, N. J.; H. V. Bump, Cambridge, N. Y.; H. M. Carpenter, Ossining, N. Y.; Carteret Pet Stock Co., Orange, N. J.; Edw. Caterson, Wakefield, N. Y.; C. H. Coffin, Newark, N. J.; Wm. Cook & Sons, Scotch Plains, N. J.; Elden E. Cooley, Frenchtown, N. J.; Rufus Y. Coolidge & Son, Hudson, Mass.; Coretavis Poultry Yards, Woodbridge, Conn.; Robert C. Cornell, Bayside, L. I.; Crown Lofts, Wakefield, Mass.; Henry Cundell, Englewood, N. J.; L. B. Custer, Parker Ford, Pa.; Chas.

A. Cyphers, Buffalo, N. Y.; Donovan & Burns, New York, N. Y.; D'Arcy, Flushing, L. I.; Thomas T. Davey, Northport, L. I.; L. H. Davis, Port Jefferson, N. Y.; Deepdale Farm, Great Neck, L. I.; C. H. Ellard, Great Neck, L. I.; Elm Poultry Yards, Hartford, Conn.; Euring, Long Island City, N. Y.; Flushing Poultry Yards, Flushing, N. Y.; Samuel M. Fox, Sheffield, Mass.; Chas. E. Faber, Plainfield, N. J.; John Filkin, Richfield, N. J.; E. S. Freeman, Plainville, Conn.; N. W. Gale, New Haven, Conn.; F. A. Garriepy, Stillwater, R. I.; Arthur J. Gies, Newark, N. J.; Glenbreckin Farm, Noroton, Conn.; M. S. Gooding, Brockport, N. Y.; DeGraff Poultry Farm, Amsterdam, N. Y.; Grey-stone Poultry Farm, Yonkers, N. Y.; L. C. Gunnell, Washington, D. C.; Wesley Heights, Frank D. Ham, Livingston, N. Y.; C. S. Hanna, West Hebron, N. Y.; E. A. Haring, Englewood, N. J.; Cycle Hatcher Co., Salem, N. Y.; Horace Havemeyer, Stamford, Conn.; Harry Hawkins, Dover, N. J.; Jonas Hayner, Livingston, N. Y.; D. Heinrichs, Brooklyn, N. Y., 751 Manhattan Ave.; Alan F. Hill, Albany, N. Y.; Herbert Hine, Brooklyn, N. Y., 519 Third Ave.; Frank Hodges, Columbia Farm, Red Bank, N. J.; Elmer Holburk, Greenwich, N. Y.; John F. Hollis, No. Abington, Mass.; Wm. J. Housley, Nutley, N. Y.; Stuart Howland, Granville, N. Y.; Hubbard & Williams, New Haven, Conn.; Mrs. Edwin Brown Jenks, Yonkers, N. Y.; Geo. Josenhaus, Bedford Park, N. Y.; Chas. A. Kahle, Red Bank, N. J.; Chas. Kaschub, Meriden, Conn.; Mrs. F. H. Kendall, 349 W. 58th St., New York City; Klee Bros., Blauvelt, N. Y.; A. J. Kreutter, Seneca Falls, N. Y.; James Kugler, Jr., Frenchtown, N. J.; H. R. Kunhardt, Barnardsville, N. Y.; Geo. H. Kunz, 49 W. 57th St., New York City; Dr. Paul Kyle, Flushing, L. I.; Geo. L. Mahr, Newark, N. J.; Frank W. Mains, Morris Plains, N. J.; I. S. Miller, Allentown, Pa.; Monmouth Poultry Farms, Freneau, N. J.; Edw. K. Morris, Flushing, L. I.; A. Montgomery, 15 E. 8th St., New York City; H. M. Moyer, Bechtelsville, Pa.; David Murray, Wyndmoor, Pa.; C. P. Nettleton, Shelton, Conn.; Edw. Noonan, Marietta, Pa.; L. N. Norton, W. Brighton, S. I.; Norwood Lofts, Chestnut Hill, Philadelphia, Pa.; Oakland Poultry Yards, Nutley, N. J.; Oscar W. Opsam, New Rochelle, N. Y.; E. A. Palmer & Son, Metuchen, N. J.; A. E. Park, Plainfield, N. J.; Pequa Poultry Farms, Bristol, Conn.; W. G. Pigueron, Brewster, N. Y.; T. L. Pillow, Alleghany, Pa.; Pond River Farm, Plainville, Conn.; R. H. Quackenbush, Baldwinville, N. Y.; Frank D. Read, Fall River, Mass.; Andrew Riddell, Shushan, N. Y.; John Ridgely, Towson, Md.; John Riesbeck, Long Island City, N. Y.; Martin L. Rogers, Falmouth, Mass.; A. I. Root Co., 44 Vesey St., New York City; Herbert B. Rowedder, Jamaica, L. I.; Geo. E. Rowland, Jersey City, N. J.; W. V. Russ, 28 Vesey St., New York City; Louis A. Schmalholz, New Brunswick, N. J.; T. L. Stringham, 105 Park Place, New York City;

Chas. Staaf, Peapack, N. J.; Rowland Story, 187 Arlington Ave., Brooklyn, N. Y.; Robert Seaman, Jericho, L. I.; Dr. M. S. Sherwood, Poecantico Hills, N. Y.; D. P. Shove, Fall River, Mass.; Irving Somerindyke, Sayville, L. I.; South Side Poultry Farm, Wantagh, L. I.; Ernest R. Spencer, Meriden, Conn.; Edward E. Sprague, Flushing, L. I.; John Swayek, Englewood, N. J.; F. A. Tabor, Worcester, N. Y.; E. L. Tallman, Nyack, N. Y.; Harry Thomas, Peapack, N. J.; C. M. Tobin, Wollaston, Mass.; Dr. Edw. A. Trist, Westville, N. J.; Mrs. E. Turner, Baltimore, Md.; Israel Van Sise, Jr., Woodbury, L. I.; F. R. Vernon, Freeport, L. I.; W. S. & H. O. Vosburgh, Tremont, N. Y.; E. A. Vosburgh, Ancram Lead Mines, N. Y.; W. A. Wagner, Asbury Park, N. J.; Chas. E. Ward, Jr., Elmsford, N. Y.; J. E. Weaver, Johnstown, Pa.; J. Hart Welch, Douglaston, L. I.; Carl Wentzien, Lake-wood, N. J.; White & Goodacre, Watchung, N. J.; Miss Gretchen Wiedemann, Thomaston, L. I.; Willmount Farm, Mamaroneck, N. Y.; Earl Wilson, Salem, N. Y.; Philander Williams, Taunton, Mass.; Willis & Totman, Brockton, Mass.; Richard W. Wills, E. Meadow, Hempstead, L. I.; Wiseacres Poultry Farm, Croton-on-Hudson, N. Y.; Geo. Wolf, Seneca Falls, N. Y.; Wood & Freeman, Fitchburg, Mass.; C. S. Woodford, Forestville, Conn.; Chas. A. Work, Madison, N. J.; Worthington Poultry Yards, Elmsford, N. Y.; A. E. Wright, Red Bank, N. J.

LIST OF AWARDS.

LIGHT BRAHMAS.—Cocks—Klee Bros., 1st; Hillside Poultry Yard, 2d. Hens—Klee Bros., 1st, 2d; C. P. Nettleton, 3d; Columbia Farm, 4th; Hillside Poultry Yard, 5th. Cockerels—Klee Bros., 1st, 2d; C. P. Nettleton, 3d, 4th; Flushing Poultry Yards, 5th. Pullets—Klee Bros., 1st, 2d; Flushing Poultry Yards, 3d, 4th; Albert Ballinger, 5th.

BARRED PLYMOUTH ROCKS.—Cocks—Klee Bros., 1st; Chas. Staaf, 2d; John Swayek, 3d, 5th; Columbia Farm, 4th. Hens—Frank D. Ham, 1st, 2d; John Swayek, 3d; Frank Hayner, 4th; W. S. & H. O. Vosburgh, 5th. Cockerels—John Swayek, 1st; Chas. Staaf, 2d, 3d; Elm Poultry Yards, 5th. Pullets—Frank D. Ham, 1st, 4th, 5th; John Hayner, 2d; Elm Poultry Yards, 3d.

WHITE PLYMOUTH ROCKS.—Cocks—Greystone Poultry Farm, 1st, 4th; Elm Poultry Yards, 2d, 3d; Chas. A. Kahle, 5th. Hens—Chas. A. Kahle, 1st, 4th; Elm Poultry Yards, 2d; Greystone Poultry

Farm, 3d; Coretavis Poultry Yards, 5th. Cockerels—Greystone Poultry Farm, 1st; E. A. Haring, 2d; Elm Poultry Yards, 3d, 5th; Coretavis Poultry Yards, 4th. Pullets—W. A. Wagner, 1st; Greystone Poultry Farm, 2d, 3d, 4th; Willis A. Totman, 5th.

BUFF PLYMOUTH ROCKS.—Cocks. Chas. A. Kahle, 1st. Hens—Andrew Riddell, 1st. Cockerel—Andrew Riddell, 1st; E. Bergquist, 2d. Pullets—Andrew Riddell, 1st; Chas. A. Kahle, 2d, 3d; E. Bergquist, 4th.

PARTRIDGE PLYMOUTH ROCKS.—Cocks—Chas. A. Kahle, 1st, 2d. Cockerels—Chas. A. Kahle, 1st, 2d, 3d.

SILVER WYANDOTTES.—Cocks—Wood & Freeman, 1st; Flushing Poultry Yards, 2d, 4th; Dr. E. A. Trist, 3d. Hens—L. Van Sise, 1st; Wood & Freeman, 2d; A. T. Beckett, 3d; Flushing Poultry Yards, 4th, 5th. Cockerels—Flushing Poultry Yards, 1st. Pullets—A. T. Beckett, 1st, 3d; Flushing Poultry Yards, 2d, 4th.

GOLDEN WYANDOTTES.—Cocks—Flushing Poultry Yards, 1st; Wood & Freeman, 3d; Chas. A. Kaschub, 2d. Hens—Chas. A. Kaschub, 1st; Wood & Freeman, 2d; L. Van Sise, 3d; Flushing Poultry Yards, 4th, 5th. Cockerels—Wood & Freeman, 1st; L. Van Sise, 2d; Flushing Poultry Yards, 3d. Pullets—Wood & Freeman, 1st; Flushing Poultry Yards, 2d, 3d.

WHITE WYANDOTTES.—Cocks—H. Havemeyer, 1st, 4th; Aspetong Farm Poultry Yards, 2d; Elm Poultry Yards, 3d; John F. Hollis, 5th. Hens—H. Havemeyer, 1st, 2d, 3d; Elm Poultry Yards, 4th; Willmount Farm, 5th. Cockerels—John F. Hollis, 1st; Aspetong Farm Poultry Yards, 2d, 5th; H. Havemeyer, 3d; Willmount Farm, 4th. Pullets—Elm Poultry Yards, 1st; Mrs. E. Turner, 2d; H. Havemeyer, 3d, 4th, 5th.

BUFF WYANDOTTES.—Cocks—Andrew Riddell, 1st; Rufus Y. Coolidge & Son, 2d; Flushing Poultry Yards, 3d. Hens—Rufus Y. Coolidge, 1st, 4th; Andrew Riddell, 2d, 3d; Flushing Poultry Yards, 5th. Cockerels—Geo. M. Bell, 1st; Rufus Y. Coolidge & Son, 2d, 5th; Andrew Riddell, 3d, 4th. Pullets—Geo. M. Bell, 1st; Andrew Riddell, 2d, 4th; Rufus Y. Coolidge & Son, 3d, 5th.

SILVER PENCILED WYANDOTTES.—Cockerels—L. B. Custer, 1st; F. R. Vernon, 2d. Pullets—L. B. Custer, 1st, 2d.

PARTRIDGE WYANDOTTES.—Hens—E. L. Tallman, 1st, 2d.

COLUMBIAN WYANDOTTES.—Cockerels—L. H. Davis, 1st, 2d; M. S. Gooding, 3d. Pullets—L. H. Davis, 1st, 2d; M. S. Gooding, 3d.

BLACK WYANDOTTES.—Cock—Flushing Poultry Yards, 1st. Hen—Flushing Poultry Yards, 1st.

BLACK LANGSHANS.—Cock—Henry Candell, 1st. Cockerel—Henry Candell, 1st. Pullets—Henry Candell, 1st, 2d.

SINGLE COMB BUFF ORPINGTONS.—Cocks—Wm. Cook & Son, 1st, 2d; White & Goodacre, 3d, 4th. Hens—Dr. Paul Kyle, 1st, 5th; Wm. Cook & Son, 2d, 3d, 4th. Cockerels—Wm. Cook & Son, 1st, 2d, 3d;

White & Goodacre, 4th, 5th. Pullets—Wm. Cook & Son, 1st and 3d; Dr. Paul Kyle, 2d; A. E. Park, 4th, 5th.

SINGLE COMB BLACK ORPINGTONS.—Cocks—White & Goodacre, 1st; Dr. M. S. Sherwood, 2d; Wm. Cook & Son, 3d, 4th, 5th. Hens—Miss G. Wiedemann, 1st; White & Goodacre, 2d; Wm. Cook & Son, 3d; A. E. Wright, 4th; Dr. M. S. Sherwood, 5th. Cockerels—Wm. Cook & Son, 1st, 2d, 3d; White & Goodacre, 4th, 5th. Pullets—Wm. Cook & Son, 1st, 2d, 3d; White & Goodacre, 4th; Wm. J. Housley, 5th.

SINGLE COMB WHITE ORPINGTONS.—Cocks—White & Goodacre, 1st; Wm. Cook & Son, 2d. Hens—Wm. Cook & Son, 1st, 3d, 5th; White & Goodacre, 4th. Cockerels—Wm. Cook & Son, 1st, 3d; Cycle Hatcher Co., 4th. Pullets—Wm. Cook & Son, 2d, 3d; Cycle Hatcher Co., 4th.

ROSE COMB BUFF ORPINGTONS.—Cocks—White & Goodacre, 1st; Wm. Cook & Son, 2d. Hens—Wm. Cook & Son, 1st; White & Goodacre, 2d. Cockerels—Wm. Cook & Son, 1st; J. W. Andrews, 2d. Pullets—Wm. Cook & Son, 1st; J. W. Andrews, 2d; White & Goodacre, 3d.

ROSE COMB BLACK ORPINGTONS.—Cock—Wm. Cook & Son, 1st; Chas. E. Faber, 2d. Hens—Wm. Cook & Son, 1st. Cockerel—Wm. Cook & Son, 1st. Pullet—Wm. Cook & Son, 1st.

ANY OTHER VARIETY ORPINGTONS.—Cocks—Wm. Cook & Son, 1st, Diamond Jubilee; White & Goodacre, 2d, R. C. White. Hens—White & Goodacre, 1st, R. C. White; J. Hayner, 2d, S. C. White; Wm. Cook & Son, 2d, Diamond Jubilee. Cockerels—White & Goodacre, 1st, R. C. White; J. Hayner, 2d, S. C. White. Pullets—White & Goodacre, 1st, R. C. Black; J. Hayner, 1st, S. C. White.

BLUE ANDALUSIANS.—Hen—R. H. Quackenbush, 1st. Cockerel—R. H. Quackenbush, 1st.

SINGLE COMB WHITE LEGHORNS.—Cocks—Elm Poultry Yards, 1st, 2d; Monmouth Poultry Farm, 3d, 4th; H. V. Bump, 5th. Hens—Monmouth Poultry Farm, 1st, 2d; Elm Poultry Yards, 3d; Deepdale Farm, 4th, 5th. Cockerels—Elm Poultry Yards, 1st; H. V. Bump, 2d; Thomas T. Davey, 3d; Monmouth Poultry Farms, 4th, 5th. Pullets—Elm Poultry Yards, 1st; H. V. Bump, 2d; Thomas T. Davey, 3d; Monmouth Poultry Farms, 4th; Hubbard & Williams, 5th.

SINGLE COMB BROWN LEGHORNS.—Cock—Elmer Holburk, 1st. Hens—Hubbard & Williams, 1st; Elmer Holburk, 2d; H. M. Moyer, 3d. Cockerels—Elmer Holburk, 1st; Ed. C. Noonan, 2d. Pullets—L. C. Gunnell, 1st; H. M. Moyer, 2d; Hubbard & Williams, 3d, 5th; Elmer Holburk, 4th.

SINGLE COMB BUFF LEGHORNS.—Cockerels—Thomas T. Davey, 1st; Harry Hawkins, 2d. Pullets—Thomas T. Davey, 1st; E. A. Vosburgh, 2d; James Kugler, Jr., 3d.

SINGLE COMB—ANY OTHER COLOR LEGHORNS.—Cock—Flushing Poultry Yards, 1st. Hen—Flushing Poultry Yards,

A \$1000 ORPINGTON

was defeated at the great Eastern Show in New York, Nov. 13-17, 1905, by one of our **May hatched S. C. Black Orpington Cockerels**. We were also awarded on our **American Bred Orpingtons** in hot competition, including many imported birds, the following prizes: 1st, 2d S. C. Buff Pens, 1st R. C. Buff Cock, 1st Hen, any other variety, 1st Pullet, any other variety, 1st, 2d S. C. Black Pens, 1st S. C. White Cock, 1st Cockerel, any other variety, 1st Pen, any other variety. **Also handsome Tea Service on display.** We have a large number of **Black Cockerels** by same sires as the above winners, and about same ages, for sale. Most of them weigh 9-10 lbs.; all grand in shape, size and color.

Buff Orpington Breeding

has been reduced to a science by us until we are now able to produce the choicest cockerels and pullets from the some matings. **The first prizes** on Pens at Hagerstown, Newark, our Prize Pen at Madison Square, 1st and 2d Pens at the Great Eastern this year, and at Trenton, Hackensack and Herald Square last year were the results of these matings. **Buff Cockerels** of this fine strain, grand shape, free from white, clean shanks and great bone, now ready to ship.

The same standard of breeding is applied to our White and Jubilee Orpingtons. We have the best of all varieties; they win for us and will win for you. Write us for prices. Fine illustrated catalogue sent upon request.

White & Goodacre, Breeders & Exporters Watchung, N. J.

VISIT OUR EXHIBIT AT MADISON SQUARE

1st. Cockerel—Flushing Poultry Yards, 1st. Pullet—Thomas T. Davey, 1st.

ROSE COMB WHITE LEGHORNS.—Cock—Flushing Poultry Yards, 1st. Hen—Flushing Poultry Yards, 1st. Cockerel—Flushing Poultry Yards, 1st. Pullets—Flushing Poultry Yards, 1st, 2d.

ROSE COMB BROWN LEGHORNS.—Cocks—J. Hart Welch, 1st; W. M. Anderson, 2d; Flushing Poultry Yards, 3d. Hens—W. M. Anderson, 1st; Dr. Paul Kyle, 2d, 3d, 5th; Flushing Poultry Yards, 4th. Cockerels—W. M. Anderson, 1st; F. C. Tabor, 2d; J. Hart Welch, 3d; Dr. Paul Kyle, 4th; E. R. Spencer, 5th. Pullets—Dr. Paul Kyle, 1st; W. M. Anderson, 2d; Flushing Poultry Yards, 3d; J. Hart Welch, 4th, 5th.

BLACK MINORCAS.—Cocks—Greystone Poultry Farm, 1st, 2d; Chas. A. Kahle, 3d; F. R. Vernon, 4th; Rowland Story, 5th. Hens—Greystone Poultry Farm, 1st, 3d; Klee Bros., 2d. Cockerels—Greystone Poultry Farm, 1st, 2d, 3d; Chas. A. Kahle, 4th, 5th. Pullets—Greystone Poultry Farm, 1st, 2d, 3d; Chas. A. Kahle, 4th; C. M. Tobin, 5th.

ROSE COMB BLACK MINORCAS.—Cockerel—S. A. Howland, 1st. Pullet—S. A. Howland, 1st.

GOLDEN POLISH, PLAIN.—Cocks—Glenbreckin Farm, 1st, 2d, 3d. Hens—Glenbreckin Farm, 1st, 2d, 3d. Cockerel—Glenbreckin Farm, 1st. Pullet—Glenbreckin Farm, 1st.

WHITE CRESTED BLACK POLISH.—Cock—Glenbreckin Farm, 1st. Hen—Glenbreckin Farm, 1st, 2d.

SILVER SPANGLED HAMBURGS.—Cockerel—Earl Wilson, 1st. Pullet—Earl Wilson, 1st.

RHODE ISLAND REDS.—Cocks—Robert Seaman, 1st, 2d; DeGraff Poultry Farm, 3d. Hens—DeGraff Poultry Farm, 1st; Robert Seaman, 2d, 3d, 4th. Cockerels—Robert Seaman, 1st, 2d, 3d; DeGraff Poultry Farm, 4th, 5th. Pullets—DeGraff Poultry Farm, 1st; Robert Seaman, 2d, 3d, 5th; F. A. Garripley, 4th.

ROSE COMB RHODE ISLAND REDS.—Louis Anderson, 1st hen, 1st cockerel, 1st pullet.

BLACK OR BROWN RED PIT GAMES.—Irving Somendyke, 1st hen.

BLACK OR BROWN PIT GAME.—Robert C. Cornell, 1st, 2d cockerel.

SILVER OR GOLD PIT DUCKWING GAMES.—R. C. Cornell, 1st cock, 1st cockerel.

ANY OTHER COLOR PIT GAMES.—Cocks—Chas. A. Kahle, 1st, 2d. Hens—I. Somendyke, 1st; Chas. A. Kahle, 2d, 3d. Pullet—I. Somendyke, 1st.

INDIAN GAMES.—Cocks—Oakland Poultry Yards, 1st, 4th; Pond River Farm, 2d; H. M. Carpenter, 3d; Worthington Poultry Yards, 5th. Hens—Pond River Farm, 1st; H. N. Carpenter, 2d; Oakland Poultry Yards, 3d; Pond River Farm, 4th; Worthington Poultry Yards, 5th. Cockerels—Worthington Poultry Yards, 1st; H. M. Carpenter, 2d; Pond River Farm, 3d; Oakland Poultry Yards, 4th, 5th. Pullets—H. M. Carpenter, 1st; Pond River Farm, 2d, 3d; Worthington Poultry Yards, 4th; Oakland Poultry Yards, 5th.

ANCONAS.—Frank W. Mains, 1st cockerel, 1st pullet.

FAVEROLLES.—Cock—Wiseacres Poultry Farm, 1st. Hen—Wiseacres Poultry Farm, 1st. Cockerels—Wiseacres Poultry Farm, 1st; C. S. Hanna, 2d. Pullets—Wiseacres Poultry Farm, 1st; C. S. Hanna, 2d.

ANY COLOR BEST PAIR GUINEA FOWL—W. M. Anderson, 1st, 2d.

DUCKS.

PEKIN DUCKS.—Hatched prior to 1905.—Drake—South Side Poultry Farm, 1st; E. L. Tallman, 2d; J. E. Weaver, 3d. Ducks—Columbia Farm, 1st; E. L. Tallman, 2d; South Side Poultry Farm, 3d.

PEKIN DUCKS.—Hatched in 1905.—Drake—South Side Poultry Farm, 1st; Columbia Farm, 2d; E. L. Tallman, 3d; E. A. Haring, 4th; J. E. Weaver, 5th. Ducks—South Side Poultry Farm, 1st; E. H. Haring, 2d; E. L. Tallman, 3d.

MUSCOVY DUCKS.—Drake—South Side Poultry Farm, 1st; H. M. Carpenter, 2d. Ducks—H. M. Carpenter, 1st; South Side Poultry Farm, 2d.

BANTAMS.

BLACK BREASTED RED GAME.—Hens—Columbia Farm, 1st, 2d.

BLACK BREASTED RED GAME BANTAMS.—Hens—Columbia Farm, 1st, 3d; Geo. L. Mahr, 4th; John Filkin, 2d; J. Hart Welch, 5th. Cockerel—John Filkin, 1st. Pullets—John Filkin, 1st; J. Hart Welch, 2d; Columbia Farm, 3d.

RED PYLE GAME BANTAMS.—Cock—Columbia Farm, 1st, 2d. Hen—Columbia Farm, 1st. Cockerels—John Filkin, 1st; Columbia Farm, 2d. Pullets—Columbia Farm, 1st; John Filkin, 2d, 3d.

SILVER DUCKWING GAME BANTAMS.

—Cock—Herbert B. Rowedder, 1st.

WHITE GAME BANTAMS.—Columbia Farm, 1st hen, 1st pullet.

BUFF COCHIN BANTAMS.—I. S. Miller, 1st cock, 3d hen, 2d pullet.

BLACK COCHIN BANTAMS.—I. S. Miller, 1st cock, 1st hen.

PARTRIDGE COCHIN BANTAMS.—I. S. Miller, 1st, 2d cock; 1st, 2d hen; 1st, 2d cockerel; 1st, 2d, 3d pullet.

GOLDEN SEBRIGHT BANTAMS.—Harry Thomas, 1st cock, 1st hen and 1st pullet.

SILVER SEBRIGHT BANTAMS.—Hens—I. S. Miller, 1st; Columbia Farm, 2d; Cockerel—I. S. Miller, 1st. Pullet—I. S. Miller, 1st.

ROSE COMB BLACK BANTAMS.—Cocks—Columbia Farm, 1st, 2d; I. S. Miller, 3d, 4th. Hens—Columbia Farm, 1st; I.

TURKEYS.

BRONZE TURKEYS, Hatched Prior to 1904—George Wolf, 1st cock, 1st hen.

BRONZE TURKEYS, Hatched 1904—George Wolf, 1st, 2d, 3d cock, 1st, 2d hen.

BRONZE TURKEYS, Hatched 1905—George Wolf, 1st cock, 1st hen.

WHITE TURKEYS, Hatched Prior to 1905—Worthington Poultry Yards, 1st cock, 1st hen.

WHITE TURKEYS, Hatched 1905—Worthington Poultry Yards, 1st cock, 1st hen.

GEESE.

TOULOUSE—A. J. Kreutter, 1st gander, 1st goose.

EMBDEN—Gander—A. J. Kreutter, 1st; Glenbreckin Farm, 2d. Goose—A. J. Kreutter, 1st; Glenbreckin Farm, 2d.

EXHIBITION YARDS.

LIGHT BRAHMAS—Klee Bros., 1st.



First Prize
White Wyandotte Ckrl.
New York 1904
Owned by
A. C. Hawkins Lancaster Mass.

1st prize White Wyandotte cockerel, at New York, 1904. Owned and exhibited by A. C. Hawkins, Lancaster, Mass.

S. Miller, 2d, 3d. Cockerels—I. S. Miller, 1st, 2d. Pullets—I. S. Miller, 1st, 2d.

ROSE COMB WHITE BANTAMS.—Cock—Columbia Farm, 1st. Hens—Columbia Farm, 1st; I. S. Miller, 2d, 3d, 4th. Cockerels—I. S. Miller, 1st, 2d, 3d. Pullets—Columbia Farm, 1st; I. S. Miller, 2d, 3d, 4th.

POLISH, ANY COLOR BANTAMS.—Cock—I. S. Miller, 1st. Hens—I. S. Miller, 1st, 2d; E. K. Morris, 3d.

WHITE POLISH.—E. K. Morris, 1st cockerel, 1st pullet.

BOOTED, ANY COLOR BANTAMS.—Cock—I. S. Miller, 1st. Pullet—I. S. Miller, 1st.

LIGHT BRAHMA BANTAMS.—Cocks—Charles E. Ward, 1st; D. Heinrichs, 2d. Hens—D. Heinrichs, 1st; Charles E. Ward, 2d. Cockerels—D. Heinrichs, 1st, 2d, 3d, 4th, 5th. Pullets—D. Heinrichs, 1st, 3d, 4th; Charles E. Ward, 2d.

BARRED PLYMOUTH ROCKS—John Swayck, 1st; Klee Bros., 2d.

WHITE PLYMOUTH ROCKS—Greystone Poultry Yards, 1st; J. Hayner, 1st.

WHITE WYANDOTTES—H. Havemeyer, 1st; Willmount Farm, 2d; John F. Hollis, 3d; Mrs. E. Turner, 4th.

BUFF WYANDOTTES—Andrew Riddell, 1st; Rufus Y. Coolidge & Sons, 2d, 3d. COLUMBIAN WYANDOTTES—L. H. Davis, 1st.

SINGLE COMB BUFF ORPINGTONS.—White & Goodacre, 1st, 2d; Dr. Paul Kyle, 3d, 8th; William Cook & Son, 4th, 5th, 6th; E. B. Sprague, 7th.

SINGLE COMB BLACK ORPINGTONS.—White & Goodacre, 1st, 2d; William Cook & Sons, 3d, 4th; Miss G. Wiedemann, 5th.

SINGLE COMB WHITE ORPINGTONS.—William Cook & Son, 1st, 2d.

DIAMOND JUBILEE ORPINGTONS.—White & Goodacre, 1st.

SPANGLED HAMBURG—William Cook & Son, 1st.
SINGLE COMB WHITE LEGHORNS—Monmouth Poultry Farms, 1st; H. V. Bump, 2d.
ROSE COMB BROWN LEGHORNS—Dr. Paul Kyle, 1st, 2d.
BLACK MINORCAS—Klee Bros., 1st; Greystone Poultry Farm, 2d.
RHODE ISLAND REDS—Robert Seaman, 1st, 2d; DeGraff Poultry Farm, 3d.
HOUDANS—D. P. Shove, 1st.
FAVEROLLES—Wisecres Poultry Farm, 1st.

NOTES OF THE SHOW.

Probably the display of fowls that attracted the most attention was the Orpingtons exhibited by White & Goodacre and Wm. Cook & Son, both of whom had very large exhibits. Dr. M. S. Sherwood, Pocantico Hills, N. Y., also had a fine exhibit of Buff and Black Orpingtons and won some of the ribbons.

The Greystone Poultry Farm, Yonkers, N. Y., had a fine exhibit of Black Minorcas and White Plymouth Rocks, and won their share of the ribbons.

Monmouth Poultry Farms, Freneau, N. J., had a good exhibit of S. C. White Leghorns and won a number of the blue ribbons.

Willmount Farm, Mamaroneck, N. Y., exhibited White Wyandottes and carried off some of the ribbons. Mr. Brown, who is manager of this farm, is one of those whole-souled, jolly-good fellows, with whom it is a pleasure to get acquainted.

The Aspetong Farm Poultry Yards, Newburg, N. Y., won some of the cream on their White Wyandottes. Mr. J. J. Anthony, who is manager of these yards, certainly knows how to produce the good ones.

The competition in the White Wyandotte class was very hot, but Horace Havemeyer, Stamford, Conn., certainly did his share of the winning, and this is as it should be, for he had some fine specimens on exhibition.

Elm Poultry Yards, Hartford, Conn., made a fine record on their White Leghorns, Barred Rocks, White Wyandottes, White Rocks, Black Minorcas, etc., winning many of the blue ribbons and a number of specials. These yards have been established since 1888, and since that time have always won a good share of the prizes wherever exhibited.

Frank D. Ham, Livingston, N. Y., the Barred Rock man, had a good exhibit of this variety, and won a number of prizes, including 1st and 2d hen, 1st, 4th and 5th pullet, and a number of other prizes. Mr. Ham has been breeding Barred Rocks for a number of years, and his stock shows that he knows "how."

C. P. Nettleton, Shelton, Conn., was there with his Light Brahmas, and as usual carried away some of the ribbons.

Klee Bros., Blauvelt, N. Y., exhibited some very fine Light Brahmas and got

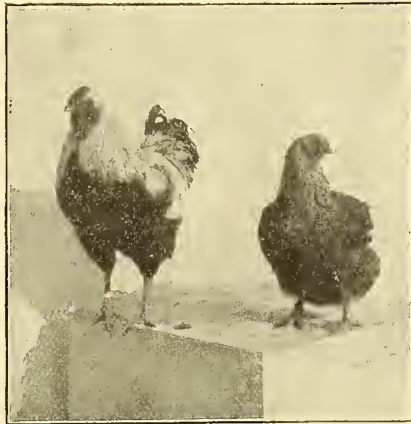
a number of the blue ribbons.

Andrew Riddell, Shushan, N. Y., had a fine string of birds on exhibition, and won some of the cream.

Chas. A. Kahle, Red Bank, N. J., had some fine Buff Rocks, White Rocks and Black Minorcas, and made some good winnings in all these varieties.

Dr. Paul Kyle, Flushing, L. I., N. Y., whose smiling countenance was everywhere in evidence, had a very large exhibit, including S. C. Buff Orpingtons, Rose Comb Brown Leghorns, and a large display of pigeons, and had the satisfaction of winning a number of the blue ribbons.

The Worthington Poultry Yards, Mr. Fred Harries, manager, Elmsford, N.



First cock and hen, Detroit, 1905, owned by H. H. & E. M. Coburn, Memphis, Mich.

Y., exhibited S. C. Buff Orpingtons, Cornish Indian Games and White Holland Turkeys, and had the pleasure of winning four firsts on Turkeys and several prizes on their Indian Games. The Indian Games exhibited by them were as fine specimens as we had ever seen anywhere, and gave evidence of the great care that had been taken in their breeding. Their White Holland Turkeys were also grand specimens of this variety and deserved all the honors that was bestowed upon them.

Flushing Poultry Yards, Flushing, N. Y., had a good exhibit of Buff Wyandottes, and took away some of the prizes on this variety.

Deepdale Farm, Great Neck, L. I., N. Y., won a number of prizes on their S. C. White Leghorns.

John Swayck, Englewood, N. J., won some of the cream on his Barred Rocks.

John F. Hollis, No. Abington, Mass., won on his White Wyandottes, which were very good specimens of this variety.

Printing

For Poultrymen. Samples for the asking.
J. J. Bennett,
Lisbon, O.

Doane's Minorcas

are farm raised. Eggs from best matings \$1.50 for balance of season. Orders from ad direct promptly filled
J. H. DOANE, Lock Box D, Gouverneur, N. Y.

BREEDERS FOR SALE

Barred Plymouth Rocks, White Wyandottes and Bronze Turkeys. Exhibition and breeding birds are ready to go at farmers prices. They have free access to the farm range, and are beautiful. Write and get my prices before buying.

WARREN SLOAN Eldorado, Ill.

NO BOAST

When the claim is made that the **Iolink Strain** of White Wyandottes is the best utility strain in the country. Bred for eggs and meat. 200-egg strain. Trap nests used.

J. HARRY WOLSEFFER, Prop. and Mgr.

Iolink Poultry Farm, R. F. D. 1, Egg Harbor City, N. J.

Hillcrest Poultry Yards

DINSMORE & CO., Props.

Kramer, Indiana

Fancy and utility White Wyandottes. Surplus stock all sold. EGGS in season \$2 per fifteen.

THE IMPROVED CHAMPION LEG BAND



Aluminum or copper, two sizes, adjust able to fit any fowl. Held by double lock. They can't lose off. Initials, 10 cents per 100 extra. Also Pigeon Bands.

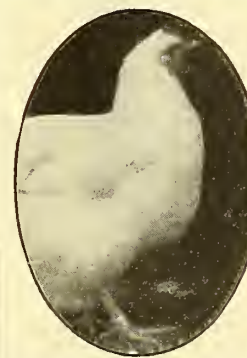


THE SUPERIOR

is securely locked; can't lose off; six sizes. State breed and sex. Price, postpaid, either kind, No. to suit, 12, 15c; 25, 30c; 50, 50c; 100, 80c. Sample for stamp. Circular free.

T. CADWALLADER,

Box 502, Salem, Ohio

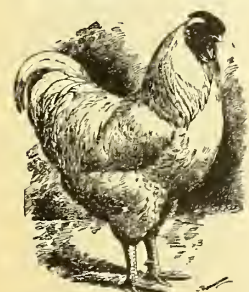


Phoenix Poultry Plant

I am ready to offer you a bargain in the Phoenix Poultry Plant, our stock, good will and trade. Having sold our milling business here we must make a change. I will consider an exchange for a good mill property.

MRS. J. H. OREBAUGH
Batavia, Ohio

THE GREAT CENTRAL POULTRY FARM



The home of Utility Birds and Prize Winners. Send for our free Catalogue. Enclose 5 2c. stamps for mailing. In the last 18 months our birds have won 3785 prizes at state and county fairs. This indicates the quality of our stock. There is no better in the country. As breeders we fully understand our business. We ship nothing but standard birds. They are fully guaranteed and warranted to reach our customers, at the nearest express office, in good condition. If any fowl fails to do this we duplicate the bird. EGGS in season from all our breeds. We are now booking orders for stock, shipping daily. Send for our special prices. We offer the following varieties to our customers. Prices quoted upon application for varieties marked by a star.

Light Brahmas, Dark Brahmas, Black Javas, *Mottled Javas, *Blue Andalusians, B. Minorcas, C. I. Games, *White I. Games, Partridge Cochins, Buff Cochins, Silver Laced Wyandottes, W. Minorcas, S. C. B. Leghorns, B. B. R. Games, *Red P. Games, White Cochins, *Black Cochins, Golden Laced Wyandottes, R. C. B. Leghorns, S. C. W. Leghorns, *Buff Cochins Bantams, Black Langshans, B. P. Rocks, W. Wyandottes, B. Wyandottes, R. C. W. Leghorns, *White Cochins Bantams, *Pea Comb Barred P. Rocks, *S. C. Buff Orpingtons, Buff Leghorns, *English Red Caps, *Black African Bantams, *White P. Rocks, Buff P. Rocks, *Buckeye Reds, *R. I. Reds, Silver Spangled Hamburgs, *Golden Sebright Bantams, *American Dominiques, *Houdans, *W. Faced B. Spanish, *Buff Crested Black Polish, *B. B. R. Game Bantams, Stock—Single birds, \$3.00; pairs, \$5.00; trios, \$7.00; pens, \$11.00.

Mammoth Pekin Ducks.—Stock—Single birds, \$2; pairs, \$4; trios, \$6; pens, \$10. Toulouse Geese.—Stock—Single birds, \$4; pairs, \$7; trios, \$10; pens, \$16. Mammoth Bronze and White Holland Turkeys.—Stock—Single birds, \$5; pairs, \$9; trios, \$12; pens, \$18. Do not hesitate to order direct from this ad.

Write us for circulars and special prices on our improved GREAT CENTRAL INCUBATORS AND BROODERS, the most dependable and surest batch machine on the market. Assure your success by hatching our eggs in our incubators, and raising the chicks in our brooders. Address all our correspondence to Freeport.

THE F. W. NIESMAN CO.

Box 40, Freeport, Ill.

Mrs. E. Turner, Baltimore, Md., had a very choice pen of White Wyandottes on which she won fourth.

The DeGraff Poultry Farm, Amsterdam, N. Y., exhibited their Rhode Island Reds, and carried home some of the ribbons in this class.

Rufus Y. Coolidge & Son, Hudson, Mass., exhibited some fine Buff Wyandottes and won 2d cock, 1st hen and several other prizes.

Geo. M. Bell, Voorheesville, N. Y., made two entries on Buff Wyandottes, and won two first prizes. This speaks highly of the quality of Mr. Bell's stock.

L. B. Custer, Parker Ford, Pa., had a nice exhibit of Silver Penciled Wyandottes, and won a number of first prizes.

E. L. Tallman, Nyack, N. Y., won 1st and 2d hen on Silver Penciled Wyandottes. These were good specimens of this variety.

L. H. Davis, Port Jefferson, N. Y., exhibited some fine specimens of Columbian Wyandottes and won two firsts and two seconds, and first on exhibition pen.

M. S. Gooding, Brockford, N. Y., had some good specimens of the Columbian Wyandottes, and carried off some of the honors in this class.

Henry Cundell, Englewood, N. J., entered some fine specimens of Black Langshans and won all the prizes offered on this variety.

A. E. Parks, Plainfield, N. J., exhibited some choice Single Comb Buff Orpingtons and carried home some of the ribbons.

Miss Gretchen Wiedemann, Thomaston, L. I., N. Y., exhibited two very fine specimens of Black Orpington hens and

won first. She also won fifth on pen of this variety.

H. V. Bump, Cambridge, N. Y., had a good display of Single Comb White Leghorns and won a number of ribbons on them.

The Single Comb Brown Leghorns were few in numbers, but good in quality, and the ribbons were won by Elmer Holburk, Greenwich, N. Y.; H. M. Moyer, Bechtelsville, Pa.; Hubbard & Williams, New Haven, Conn., and Edward G. Noonan, Marietta, Pa.

W. M. Anderson, Oak Summit, N. Y., had some good specimens of Rose Comb Brown Leghorns and carried away some of the good prizes.

Glenbreckin Farm, Noroton, Conn., exhibited some fine specimens of Golden Polish and White Crested Black Polish, and won all the prizes offered on these two varieties.

Earl Wilson, Salem, N. Y., entered his Silver Spangled Hamburgs and won two first prizes.

Robert Seaman, Jericho, L. I., N. Y., had some nice specimens of R. I. Reds, and won his share of the ribbons.

Louis Anderson, Bloomsburg, N. J., exhibited Rose Comb Rhode Island Reds and won three first prizes.

Wiseacres Poultry Farm, Croton-on-Hudson, N. Y., M. J. Whitty, manager, exhibited some very choice specimens of Salmon Faverolles and won 1st cock, 1st hen, first cockerel, 1st pullet and 1st pen. Mr. Whitty is an enthusiastic fancier of this variety and certainly knows how to produce the good ones.

The Excelsior Wire and Poultry Supply Co., New York City, had a large exhibit of poultry supplies and appliances and Prairie State Incubators.

The Universal Regulator Co., Plainville, Conn., did a thriving business with their new electric regulator for incubators. This regulator is so designed that it is absolutely impossible for the heat to go above 103 degrees, and we believe it will prove of great value to any one who is using an incubator.

The show was kept in a perfectly sanitary and healthful condition by the use of Perfection Disinfecting Sawdust and Carman's Phenyle, manufactured by Perfection Chemical Co., Flushing, L. I., N. Y.

Chas. A. Cyphers, Buffalo, N. Y., had a large exhibit of his Model Incubators and Brooders.

Donovan & Burns, New York City, dealers in feed for poultry, had an exhibit of samples of grains they handle.

The Cyphers Incubator Co., Buffalo, N. Y., made a large exhibit of their incubators and brooders and poultry supplies of all kinds. This exhibit was under the direct management of Mr. Dillingham, their New York manager.

Chesebro-Whitman Co., New York City, exhibited their portable poultry houses. These houses are made of a good quality of lumber and are easily taken apart and moved to new ground, and they are so arranged that they are easily cleaned and made an ideal house for a small flock of fowls.

Dr. M. S. Sherwood, Pocantico Hills, N. Y., was demonstrating his new egg tester, which, without doubt, is a vast improvement over the majority of testers in use at the present time.

Owing to the fact that we were unable to stay until the end of the show, we did not have the time to make as detailed a report as we should like to have done, and if we have slighted anyone we have not done so intentionally.



POULTRY SUPPLIES

of every description. Prairie State, Empire State and Star Incubators and Brooders Drinking Fountains, Wire Netting, Spray Pumps, White Washing Machines Powder and Liquid Lice Killers, Roup and Cholera Cures, Condition Powders, Egg Foods, Oyster Shells, Beef Scraps, Dog Cakes and Medicines, and everything necessary for breeding poultry and pet stock. Our immense illustrated catalogue gives complete list. It is free; send for one.

Excelsior Wire & Poultry Supply Co., Dept. D, W. V. Russ, Prop., 26 & 28 Vesey St., N. Y. City

500

BARRED PLY. ROCKS

500

KING has more good ones than ever before. PLEASE REMEMBER our last exhibit at the Illinois State Poultry Show, January, 1904, 1st cock, clean sweep hens, chicks, pullets and 1, 2, 3 pens; also all specials offered on this variety, with birds all our own breeding, this record has never been even approached by another Barred Rock breeder at a state or national show. In rounding up our young stock this fall many good ones were found suitable for the very hottest competition. If you are in need of a cockerel, pullet or pen to help you into the KING ROW, please write me your wants; describe as near as you can about what you must have in quality and I can surely find something among my number that will help you out. If you are in need of medium priced birds I have them at a bargain to make room. Also a lot of yearling hens, good breeders cheap if taken soon. Send for latest circular and prices. Don't delay but write today to the BARRED ROCK SPECIALIST.

O. L. KING

Walnut Grove, Ill.



First Prize Hagerstown, special for best white bird in the show; special for best Wyandotte, any variety, special for best White Wyandotte Pullet.

Rock Hill Poultry Farm OSSINING, : NEW YORK

White and Silver Penciled Plymouth Rocks, White and Partridge Wyandottes, White Leghorns and Buff Cochins Bantams

A record of 41 first, 36 second and third prizes at Syracuse and Hagerstown, together with eight of the best specials given at the latter show; namely: Silver Cup for best white bird in the show; specials for best Leghorn, Plymouth Rock and Wyandotte, any variety, in the show, and specials for best White Wyandotte Cock, Hen, Cockerel and Pullet proves our Stock to be the best. **High-Class Birds For Sale. Eggs in Season.**

THIS
BOOK
TELLS

HOW TO MAKE POULTRY PAY

You may have a copy free. It's full of valuable information for poultry people.

Keeping your birds healthy, strong and productive is the secret of poultry profits; proper feeding and the right remedies are the two most important factors of success.

Neglected fowls never pay. Birds well cared for produce profit. If your birds are not profitable, you can make them pay handsomely by using proper foods and remedies such as we prepare specifically for poultry.

The strengthening, healing properties of Harding's foods and remedies condition poultry for the highest degree of productiveness. **HARDING'S UNCLE SAM EGG PRODUCER** is the winter egg food. 2lb. package 25c prepaid.

HARDING'S ROUP CURE—given in water—never fails—50c and \$1.00, prepaid.

HARDING'S POSITIVE CHOLERA CURE—for Cholera, Diphtheria, Gapes, Diarrhea, etc.—1 lb. 25c; by mail, 40c.

HARDING'S SCALY LEG CURE. The only sure remedy for scaly legs, sores and flesh wounds; an excellent polish for the show room—5 oz. can 25c; by mail, 35c.

HARDING'S ANTISEPTIC LICE OINTMENT for head lice on children, turkeys and little chicks—10c and 25c prepaid.

We guarantee these preparations to prepare you for any emergency; their frequent use keeps fowls in pink of condition. Remember our book, "How to Make Poultry Pay" is sent free—write today. Agents wanted. Terms furnished on application.

GEORGE L. HARDING

Box 333, Binghamton, N. Y.



SILVER PLYMOUTH ROCKS.

Although this variety is getting into the hands of quite a number of poultry fanciers, one can find practically no mention of them in the columns of the poultry press.

It being known that I enthusiastically favor them, I have been asked to write an article on them.

In this I have been backward principally because I have never in any sense been a claimant to being an originator of this variety. However, there seem to be four such claimants in the field, and, believing what these men could write of more value and of more authority, I have preferred to stand aside.

Also, I have never been in sympathy with those misguided individuals who will rush into print, claiming all sorts of laudatory things for a new breed they may have taken up.

Such claims by such people always does the new breed or variety more harm than good.

It will be noticed I speak of them as Silver Plymouth Rocks rather than as Silver Penciled Plymouth Rocks.

This is an important distinction for two reasons. A distinction I hope all future breeders of the variety will strongly uphold.

Silver Penciled Plymouth Rocks flavors strongly of single combed Silver Penciled Wyandottes. The true Silver Plymouth Rocks are *not* single combed Silver Penciled Wyandottes, and to insist upon this fact most strongly at this point in their history is of the utmost importance, because most fanciers believe, or will tell you, that they are nothing more than single combed Wyandottes. This has been fostered by one or two writers saying it in print, and using the word Penciled, when speaking of these Rocks will tend toward clinching this impression.

Silver Penciled Plymouth Rocks is cumbersome and unnecessary as a variety designation.

Silver Plymouth Rocks will entirely answer and will be a far more descriptive and pleasing derivation than for instance the title, Dark Brahmas given birds of the parent coloring. Dark Plymouth Rocks would hardly be descriptive or pleasing, but on the score of brevity and popularity would outrank Silver Penciled Plymouth Rocks.

And if it cannot be silver Plymouth Rocks, then it should be, to be consistent, Dark Plymouth Rocks.

A variety believed or reported generally to be nothing more than a single combed Wyandotte sport evidently suffers in reputation, because of the old by-gone period when a single combed White Wyandotte, for instance, could be shown as a White Plymouth Rock and win. This was hard lines for breeders of the true Rocks. Made them loudly protest, as was proper, and made the whole business.

Now there are strong claimants in the field that Silver Plymouth Rocks are *not* single combed Silver Penciled Wyandotte sports, and I believe their claims to be good and valid ones, because principally I have never been able to find any single combed Silver Penciled Wyandottes that could hold a candle to the real Silver Plymouth Rocks in size or shape. Nor in breeding what I speak of as the true Plymouth Rocks, have I been able to note any sign of reversion to the Wyandottes.

And of equal importance, too, these Silver Plymouth Rocks of entirely dif-

ferent origin will easily rank with the Silver Penciled Wyandottes in quality and perfectness of plumage; in hackles of female even seeming to excel over them. While unlike, the single combed Wyandottes, they will attain to immense size and be most rapid and profitable growers and layers of as finely large typical Rock eggs as is possible to find. (Being less nervous and especially being stouter in shank and better in color of same.) I have had cocks reach twelve pounds, and that would fill a leg band intended for Asiatics.

When I say I can not find any single combed Silver Penciled Wyandottes that will hold a candle to real Silver Rocks I say so after personally speaking or writing to practically all the best breeders of this variety and having had birds from most of them sent to me. In the fall of 1904 I paid out some \$12.00 in express charges in returning such single combed sports.

And in the spring of 1905, discarding all such I had, rather than use them as breeders.

Not that I would not use such a sport if I find one equal in size, shape and color to what I already have, for I could safely and easily do this, pedigreeing and keeping a record, as I do, of every chick I hatch.

The Silver Plymouth Rocks that I like the best came to me, claiming to be bred as follows: Roughly stated, a Dark Brahma Silver Grey Dorking Mottled Java cross.

Such a combination promises well as to size and value as a market fowl and from other economic points of view. Females from this line reach the fine quality of plumage and coloring found in the best of the other lines. Males and females, especially the former, run to the extreme in size and in chicks are remarkable for their vigor and vitality. Their marked activity and rapid growth and their fine laying qualities are of equal value.

This line shows the Dorking blood in the purity of color in the males and occasionally very strongly in the shape of a growing chick.

This year I had three chicks hatch with five toes, but were not allowed to live.

There was also one which when killed at a weight of six pounds had developed white legs and dressed with a white skin. This cockerel was in this respect either a freak, or a Dorking, as the rule is for cockerels to come with the finest yellow legs. The three chicks and this cockerel all owned as their dam a hen that in head strongly favored the Dorking family, but had fairly good yellow legs rather short.

The Mottled Java cross I have in use way been able to note, except perhaps save in an occasional pullet of poor markings, with beautiful yellow shanks.

It is a matter of regret with me that I can not, on account of lack of room, try these crosses in the original. Not that I would expect to gain much thereby, as the Silver Plymouth Rocks as they bred for me this season, run to a most remarkable degree of evenness of quality.

Another line, perhaps the oldest and best known and one on which certainly a good deal of the most intelligent sort of breeding has been put, is that of single comb Silver Penciled Wyandotte sports, strongly fortified by yearly infusions of Dark Brahma blood or recent Dark

Brahma crosses, being in some instances 13-16 Dark Brahmas.

If these are as claimed, and I have every reason to believe so, this cross gives a large, fine looking bird, especially in females, with a proneness to stubs on shanks. The 1st prize pullet at St. Louis World's Fair so much admired was of this line. This female was easily the equal in penciling of any penciled bird shown and was superb in color.

Ever since I have had Silver Plymouth Rocks I have looked at them and studied them from the double mating standpoint or plan, and the chicks this year certainly turned out as even in quality, shape, size and color as is found in Barred Plymouth Rocks bred the same way. In so far as shape and size is concerned, they could outrank many lots of Barred Plymouth Rock chicks.

Any opposition to them as a new breed, merely because they are a new breed, is silly and uncalled for.

The time was with Barred Plymouth Rocks, when every variety we have was a new thing, and probably met with opposition, perhaps worse. If Silver Plymouth Rocks are a good thing, and I believe they are, they are bound to win out and make themselves a place.

They have besides what I have hinted at in this article wonderful beauty of color and marking. Not merely a repetition of the old white, buff, black, etc., but of a color and marking comparatively rare in poultrydom.

W. THEO. WITTMAN,
Allentown, Pa.

SINGLE COMB W. LEGHORNS

THE NOTED ELGIN KING STRAIN, Exhibition birds for sale, both young and old the kind that wins; they can't be beat. If you want to win get your stock from me. I will guarantee your satisfaction.

W. L. FERN - ELGIN, ILL.

TIERNEY'S BEST BRAND GROUND BEEF and BONE

contains the proper constituents for the production of eggs and the health of the fowls. 50 lb. bags \$1.50; 100 lb. bags \$2.50. We also handle crushed oyster shell, cut clover, Mica Grit, ground green bone, etc.

B. TIERNEY & SON Plattsburg, N. Y.

BARRED ROCKS

AND

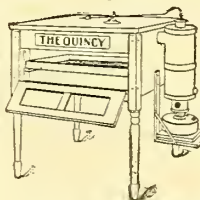
S. C. B. Orpingtons

Quality and not quantity, is my motto. A few choice exhibition and breeding birds for sale now at reasonable prices. Write your wants and mention American Poultry Journal. Correspondence cheerfully answered.

J. E. DeLONG

Morning Sun - Iowa

THE QUINCY INCUBATOR



is the most improved hot air incubator. It's the one with the **Hydro Safety Lamp**, which mixes just the right amount of moisture with the air. That is the only natural and correct principle. The "Quincy" is entirely automatic in regulation, heating and ventilation. This incubator has a sheet steel lined egg chamber—cannot dry out, warp, check or crack, and does not extract the natural moisture from the eggs, as does wood lining. We use the best thermometers made. Made in three sizes—60, 120 and 240 eggs. They will hatch a healthy chick from every fertile egg. The "Quincy" Brooders are just as carefully made, and are just as efficient as the incubators. Our illustrated catalog tells the whole story. Will mail you a copy if you write for it.

QUINCY INCUBATOR CO.,

Dept. C, QUINCY, ILLINOIS

Annual Notice to Members of the American Poultry Association.

Office of the Secretary-Treasurer, Beaver, Pa., Nov. 15, 1905.

Fellow Members: According to the decision of the Executive Committee in June last, the next annual meeting of our association will be held in Cincinnati, Ohio, in connection with the exhibition of the Cincinnati Poultry and Pet Stock association. The opening session will be on January 18th, at an hour and place to be announced later.

Petitions for the admission of the following new varieties to the Standard of Perfection have been received:

Rose Comb Rhode Island Reds.
Rose Comb Buff Orpingtons.
Single Comb Black Orpingtons.
Rose Comb Black Orpingtons.
Single Comb White Orpingtons.
Rose Comb White Orpingtons.
Single Comb Diamond Jubilee Orpingtons.
Rose Comb Diamond Jubilee Orpingtons.

dard the words, "Females without ticking, superior in other points, shall be given the awards over those that have ticking," or the words substituted therefor by the Revision Committee, the object being to have the standard worded so as not to allow the alternative of no "ticking."

(4) Eliminate from the said standard the words, "Other things being equal, the specimen having the richest under-color shall receive the award," or the words substituted therefor by the Revision Committee.

(5) Amend the said standard so as to make the weight requirements 7 pounds for hen and 6 pounds for pullet, instead of 6½ and 5 pounds, respectively.

AMENDMENTS TO CONSTITUTION AND BY-LAWS.

A life member of the association, who wishes his name withheld for the present, proposes the changes in the Con-

bred poultry and the general advancement of the poultry interests of America, especially by the holding of poultry shows institutes and conventions by the Association or its branch organizations and Association members as hereinafter set forth.

The Association shall also publish a poultry paper monthly, semi-monthly or weekly under the name and terms to be determined by the Executive Committee. This paper shall be the official organ of the Association, and published therein shall be sufficient notice to all persons on all matters respecting which no other form of notice is prescribed in the Constitution or By-Laws of this Association. The subscription price shall be reasonable, not exceeding two dollars per annum, and no advertising matter shall ever appear on the front page of the cover.

(2) Transpose Section 2, of Article II to Article VIII (Article VII of this proposed revision) making it Section 4 of that Article, and changing it to read as follows:

Section 4. No changes shall be made



A group of youngsters on the Emma B. Poultry Farm, Gurnee, Ill.

Single Comb Spangled Orpingtons.
Rose Comb Spangled Orpingtons.
Rose Comb Buff Leghorns.

CHANGE IN STANDARD.

F. D. Baerman gave notice prior to June 30, 1905, of the following proposed change in the Standard of Rhode Island Reds:

(1) In the standard for Rhode Island Reds eliminate the following words: "Other things being equal, the specimen having the deepest and richest red, salmon or buff under-color shall receive the award," or words conveying this requirement which may have been substituted by the Revision Committee.

(2) Amend the said standard so as to require the under-color to be "reddish buff," eliminating the alternative of "reddish salmon."

(3) Eliminate from the said stan-

stitution and By-Laws given below. He wishes it understood that he is not of the office holding or office seeking class; is not even a member of the Executive Committee. The Secretary-Treasurer takes the liberty of saying that this member is not a resident of New England, New York, Pennsylvania, Ohio, or of any State further west than Ohio. The following are the proposed amendments:

(1) In place of Section 1, Article II, substitute the following:

ARTICLE II.

Section 1. The objects of this association shall be the publication, revision and improvement of the American Standard of Perfection, this book being the exclusive property of the association; consideration of all questions of a national character pertaining to Standard

in any part of the Standard of Perfection unless written notice, specifying word for word the proposed changes, shall have been filed before July 1st preceding the annual meeting at which the changes are to be made, with the Secretary-Treasurer, who, in announcing the next annual meeting shall duly notify the members of the proposed change or changes.

(3) Change Article III as follows:

(a) Section 1. Change the first "of" to "in."

(b) Change the paragraph of this Article on "Annual Membership" to read as follows:

Second. ANNUAL. This membership fee shall be two dollars (\$2.00), payable with the application. Each annual member shall also pay one dollar (\$1.00) as annual dues, at least ten days in

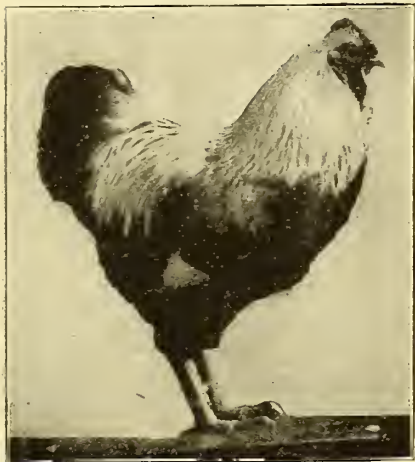
advance of each annual meeting of the association, subsequent to the meeting at which he becomes a member.

(c) Change the paragraph on "County Representative" to read as follows: Third, COUNTY BRANCH. Where there are five (5) or more life members of this Association, residents of the same county, they may, and it is their duty to, organize a County Branch of the American Poultry Association, with proper offices and authority, for the holding of meetings, institutes and conventions and exercising a general supervision, under the direction of this Association, over the fancy poultry interests of the county.

This County Branch may annually hold a county poultry show in connection with the county convention, all under the auspices and authority of the general Association. This exhibition shall be judged in accordance with the Standard of Perfection and the rules of the American Poultry Association.

The County Branch shall turn over to the general Association ten per cent of the net receipts of the poultry show thus held and promoted.

A County Branch Association shall be entitled to one representative to the meetings of the American Poultry Association.



First cock Detroit. Score 94½. Bred and owned by H. H. & E. M. Coburn, Memphis, Mich.

ciation for the first ten (10) life members of the American Poultry Association enrolled as active members in such County Branch, and for each five life members of the Association thereafter enrolled in like manner.

The names and credentials of said representatives, and the names and addresses of all members of the County Branch who are life members of the American Poultry Association, must reach the Secretary-Treasurer of the general Association at least ten (10) days in advance of the date of each annual meeting of the American Poultry Association.

(d) In place of the paragraph on "State Representative" substitute the following:

Fourth, STATE BRANCH. When five or more County Branches are organized in any State they may, and it is their duty to, unite in and organize a State Branch Association, with proper officers and authority for holding State conventions and institutes for the consideration of matters of interest to the fanciers of the State.

The State Branch may annually hold

a State poultry show in connection with its convention, this show to be held under the auspices and by the authority of the general Association. Such show shall be judged by the Standard of Perfection and under the rules of the American Poultry Association.

The State Branch shall turn over to the American Poultry Association ten per cent of the net proceeds of the State poultry show thus held and promoted.

A State Branch shall be entitled to one representative at the American Poultry Association meetings for each two County Branches actually and properly represented at the State convention; the name and credentials of said representatives, and the names of the County Branches represented at the State convention, to reach the Secretary-Treasurer of the general Association at least ten (10) days in advance of the date of each annual meeting of the American Poultry Association.

(e) In place of the paragraph on "Club Representative" substitute the following:

Fifth, CLUB MEMBERSHIP. Any Specialty Club, organized in the interest of any breed or variety of poultry, may become a life member of the American Poultry Association upon the payment of a fee of twenty-five dollars at the time of applying for membership. The club thus becoming a member shall be entitled to one representative at the meetings of the American Poultry Association.

The club thus becoming a member shall also be entitled to one additional representative at the meetings of the American Poultry Association for each five of its members who are life members of the American Poultry Association.

The names and credentials of the representatives, and the names and addresses of all life members of the American Poultry Association who are members of such Specialty Club, must reach the Secretary-Treasurer of the American Poultry Association at least ten (10) days in advance of each annual meeting

of the American Poultry Association at which rights of membership are to be exercised.

(f) In the place of the paragraph on "Association Representative" substitute the following:

Sixth, ASSOCIATION MEMBERSHIP. Any poultry association, or society other than the County and State Branches above specified, organized for the purpose of giving annual exhibitions, whose rules show that it holds its exhibitions under the regulations of the American Poultry Association, may become a life member of the American Poultry Association by paying a fee of twenty-five dollars at the time of applying for membership. The association or society thus becoming a member shall be entitled to one representative at the meetings of the American Poultry Association, and an additional representative for each thousand birds over and above two thousand which shall be properly entered and exhibited in accordance with the rules of this Association.

The names and credentials of the representative must reach the Secretary-Treasurer at least ten days before each annual meeting of the American Poultry Association at which his rights are to be exercised.

The American Poultry Association shall not allow any such association or society to judge its shows by the Standard of Perfection until such association or society shall have become a member of this Association, as prescribed in the preceding paragraph, nor unless it shall annually contract to pay the Association one per cent of its net receipts.

Each representative specified in this Article is entitled to all the privileges of membership in this Association while duly authorized to act as one of the representatives specified herein.

(g) In place of Section 2, substitute the following:

Section 2. All applications for membership, of whatever class, must be made in writing, must bear the endorsement of two members of the Executive Com-

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mittee and must receive a vote of two-thirds of the Executive Committee present and constituting a quorum.

No application shall be approved until the membership fee is paid. Should the application fail of approval, the fee shall be returned.

The Executive Committee shall report to the General Assembly all favorable votes on applications, as specified in the Order of Business, and thereupon a two-thirds vote of the General Assembly, by written ballot, shall admit the applicant to membership. Unless three members object, all the applicants favorably reported at one time may be voted for on one ballot, or the Secretary may be instructed, by motion, to cast the ballot.

This Section shall not be construed to apply to Club or Association memberships. Clubs and Associations become members, IPSO FACTO, upon filing with the Secretary-Treasurer the proper proofs of right to membership under this Article, and receiving from the Secretary-Treasurer, who must give it, a cer-

to all privileges of the Association, and shall have the right to speak upon all questions under consideration, the same as life members, but shall have no vote in the meetings of the Association excepting in the election of officers, and he shall not vote at the meeting at which he shall have been elected a member.

Annual members may become life members of the Association at any time by paying to the Secretary-Treasurer the sum of eight dollars (\$8.00), exclusive of any amount previously paid for dues as annual members.

In no case can a vote be cast on a membership for which the dues have not been fully paid at least ten days before the annual meeting.

(1) Eliminate Section 5.

(4) In place of Section 1, Article IV, substitute the following:

Section 1. The officers of this Association shall consist of a President, a Vice President for each ten life members in any one State, a Secretary-Treasurer, and Executive Committee, an Association

retired from office shall be chairman of this Board.

(5) In place of Section 2, substitute the following:

Section 2. The President, Vice President and Secretary-Treasurer shall be elected by ballot at the regular annual meeting, to hold office for one year, or until their successors are elected. Vacancies shall be filled by a majority vote of the Executive Committee present and constituting a quorum.

No person shall hold the office of President more than two terms in succession.

The term of office of the President and Secretary-Treasurer shall begin on the first day of July after their election and shall expire the last day of the following June.

(6) In place of Article V, substitute the following:

ARTICLE V.

Section 1. An annual convention of the State Branches of the American Poultry Association shall be held at the time and place of the annual meeting of the Association.

Section 2. A poultry show shall be held in connection with the annual convention of the State Branches, and under its direct supervision and management, the Standard of Perfection to govern in the judging, and the rules of the American Poultry Association to govern its proceedings.

One-half the net proceeds of the exhibition shall be turned over to the American Poultry Association.

Section 3. The annual meeting of the Association shall be held at such time and place as shall be determined by a majority vote of the executive Committee, present at the annual meeting of the Association, and constituting a quorum.

The Executive Committee shall announce at each annual meeting the time and place of the next annual meeting.

The annual meeting shall not be adjourned to some other place, excepting for an urgent and specified reason, and upon a majority vote of the Executive Committee.

(7) Change Article VI to read as follows:

ARTICLE VI.

The Executive Committee shall have power to expel or suspend any member for cause, by a vote of three-fourths of the members present and constituting a quorum, but no member shall be expelled or suspended without formal charges, with specifications, and opportunity to be heard. Any member thus expelled or suspended shall have the right to appeal to the Association, which, in a regular meeting, shall be the final judge in the case.

(8) Transfer Article VII and make it Article VIII.

After the words "President and Secretary-Treasurer" in this Article, insert the words, "ninety days before the annual meeting."

(9) Transfer Article VIII and make it Article VII, changing it to read as follows:

ARTICLE VII.

Section 1. Before any breed or variety can be admitted to the Standard it must comply with the following requirements, to wit:

It must be able to produce a satisfactory percentage of specimens reasonably true to the type and characteristics of the breed or variety as set out in the proposed Standard, and must have been exhibited, in two generations, both

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tificate that all conditions have been fulfilled.

Nor does this Section apply to the representatives specified in this Article, each of whom is entitled to all privileges and rights upon filing proper credentials, showing that all requirements have been complied with, and receiving a like certificate.

(h) In place of Section 3, substitute the following:

Section 3. Each life member shall be entitled to one vote in the meetings of the Association on all matters under consideration.

Each State, County, Club and Association representative shall, in his capacity as representative, in like manner be entitled to two votes at all meetings of the Association, notwithstanding the fact that if he shall be a member of the Association he may also, in his personal capacity, be entitled to an additional vote.

Each annual member shall be entitled

League Committee, and Advisory Board, and a Finance and Auditing Committee.

The Finance and Auditing Committee shall consist of three, selected by the Executive Committee from its members.

The Executive Committee shall consist of the President, Secretary-Treasurer, Advisory Board and ten life members of the Association, to be chosen annually by a majority vote of the combined State, County, Club and Association representatives assembled at the annual meeting of the Association.

The Association League Committee shall consist of five members, all of whom shall be delegates from local organizations, under the sixth paragraph of Section 1, Article III, and shall be chosen by the delegates themselves in attendance at the annual meetings.

The Advisory Board shall consist of the ex-Presidents of the Association in good and regular standing as active life members. The President who has last

male and female, at three at least of the exhibitions where the American Poultry Association shall have held its annual meetings.

Both male and female specimens of at least two generations must be on exhibition at the time when the breed or variety shall come up for admission to the Standard, in order that the members of the Association may inspect the same, to determine upon the propriety of admitting the breed or variety in accordance with the specifications of the application.

If the fowl is presented for admission as a new breed it must possess such new breed characteristics as to give it a very distinct character of its own, and if it is presented for admission as a new variety it must truly possess all the type characteristics of the breed of which it is a variety.

Extraordinary care should be exercised to prevent multiplicity of varieties.

Section 2. A petition addressed to the American Poultry Association shall be presented. This petition shall contain a brief description of the breed or variety seeking admission, together with all known or ascertainable facts regarding its origin and breeding, and a prayer for its admission.

Affidavits of the breeder and of two or more persons familiar with the breeding of the fowl shall be presented, containing statements of the percentage of specimens breeding reasonably true to the type and characteristics of the breed or variety as described in the proposed Standard; the affidavits also to state that the breed or variety has been sufficiently perfected to entitle it to recognition as a Standard breed or variety, and that it will breed as true to its standard as most other breeds in the Standard of Perfection will breed to their standards.

The proposed standard for the breed or variety shall be presented at the same time with the petition, but may be amended by the petitioner or the Association before the admission of the breed or variety. This standard shall be read at the meeting at which it is proposed to admit the breed or variety.

Notice of the presence of such fowls at the exhibitions referred to shall, upon every occasion, be given the Secretary-Treasurer at the place of meeting, and the Secretary-Treasurer shall specify in the minutes whether the required exhibition of the birds has been made at that meeting.

At least ninety days prior to the meeting of the Association at which admission to the Standard is sought the papers required in the application shall be filed with the Secretary-Treasurer, who shall give to the members sixty days notice of the pendency of such application.

The applicant shall set out, at the meeting at which admission is sought, satisfactory evidence that all requirements in regard to exhibiting the birds at the former meetings of the Association have been complied with.

Section 3. If, upon consideration of all the evidence, the Association is satisfied that the fowl is worthy of recognition in the Standard of Perfection, that it has, in fact the qualities and characteristics set forth in the application, that all claims and specifications set up in the application are justified, and that all requirements for its admission have been complied with, a majority vote of the members present, and voting by written

ballot, shall admit the breed or variety to the Standard.

Section 4. No changes shall be made in any part of the Standard of Perfection unless written notices, specifying word for word the proposed changes, shall have been filed before July 1st preceding the annual meeting at which the changes are to be made, with the Secretary-Treasurer, who, in announcing the next annual meeting, shall duly notify the members of the proposed change or changes.

CHANGES IN THE BY-LAWS.

(10) In place of Section 1, of Article I, substitute the following:

Section 1. The President shall preside at all meetings of the Association. He shall appoint all special committees, unless otherwise ordered by the Association. He shall call extra meetings for specified lawful purposes at the request



FRED E. PILE, PRESIDENT CLEVELAND FANCIERS' CLUB.

We are pleased to present herewith the good face of Fred E. Pile, president of the Cleveland Fanciers' Club, Incorporated. Mr. Pile is one of the best men in the broad field of poultrydom. As a breeder and exhibitor he is well known. He is a worker all the time and is doing much to insure the success of the Cleveland show January 29 to February 3.

of a majority of the members of the Executive Committee. He shall also preside at the opening and closing of national conventions and institutes held under the authority of the Association.

When present, he shall preside at meetings of the Executive Committee.

(11) Add to Section 2, Article I, the following paragraph:

In the absence of the President from conventions and institutes, held under the auspices of the Association, those assemblages shall choose their presiding officers from members of the Association in attendance.

(12) Add to Article I the following:

Section 3. The proper expenses of the President in attending meetings, conventions and institutes, over which he may preside, and all expenses for postage, stationery, or other matters properly incidental to the office, shall be paid

from the funds of the Association.

(13) Instead of Article V, substitute the following:

ARTICLE V.

The salary of the Secretary-Treasurer shall not be less than six hundred dollars per year.

The amount of the Secretary-Treasurer's salary shall be determined by the Executive Committee, at the time of the annual meeting, subject to the above limitation.

He shall also, after July 1, 1906, be allowed not to exceed four hundred dollars per year for stenographer's fees or salary, the amount actually paid to stenographers to be included in the financial report of the Secretary-Treasurer. The Secretary-Treasurer is not precluded from conducting his private correspondence through this stenographer, if he faithfully conducts the correspondence of the Association, keeping copies of all letters.

The only other expenses allowed the Secretary-Treasurer will be for postage, freight and express charges in the business of the Association, and his actual expenses in attending meetings, national conventions or institutes of the Association.

Any other expenses must be approved by the Finance and Auditing Committee before they can be charged against the funds of the Association.

(14) Eliminate Section 1 of Article VII.

(15) In place of Section 2, of Article VII, substitute the following:

Section 1. The Advisory Board may, at any time, advise the Executive Committee on matters pertaining to the affairs of the Association, and, on application of the Executive Committee, shall do so.

The advisory Board shall also have general supervision of national poultry institutes, having power to delegate to its individual members, or to others, the direct management of such institutes.

The expenses of the Advisory Board, or its appointees, when actually engaged in the work of the Association at such institutes, are to be paid in such manner as may be prescribed by the general Association, perhaps by an appropriation from its share of the revenues of poultry shows held in connection with such institutes.

(16) In section 1, of Article VIII, for the word "seven," in line three, substitute the words "one-half."

(17) For the last sentence in said section, substitute the following:

The Executive Committee shall have complete supervision of the affairs of this Association, excepting such as properly come before the Advisory Board, and shall be its official organ on all occasions.

(18) To Section 2, of this article, add the following paragraph:

The Executive Committee may elect its own chairman for the conducting of business and the making of reports, nothing in Article I or Article VIII to be construed as interfering with this right.

(19) In Section 4, of Article VIII, eliminate the words "and have joined the Association League."

(20) Make "Article IX" read "Article X," and make clause 6, in the Order of Business, as follows:

Six. Report of Executive Committee on application for membership; election of members.

(21) The succeeding clauses will then

be numbered 7, 8, 9 and 10.

(22) Supply as Article IX the following:

ARTICLE IX.

The method of procedure as set forth in Fish's American Manual of Parliamentary Law, shall govern the proceedings of this Association, subject to special rules which may be properly adopted.

(23) And the following Articles:

ARTICLE XII.

Service in legal proceedings shall be made by leaving copies of all papers with the President and Secretary-Treasurer in regular and lawful manner at their respective home offices.

But when the poultry paper shall have been established, as provided in Article II of the Constitution, the home office of the Association, for all purposes, shall be the publication office of this paper.

ARTICLE XIII.

A branch association of the American Poultry Association shall be established with headquarters in San Francisco, in such manner, at such time and under such regulations as may be determined

by the Executive committee at an annual meeting of this Association, the said branch association to be composed of the State Branches of the States west of the Rocky mountains.

OTHER CHANGES PROPOSED.

Dr. B. J. Hill, Akron, Ohio, a life member of the Association, proposes the following changes.

Resolved, That Section 5, of Article III, be amended so as to read as follows:

Any Specialty Club, organized in the interest of any breed or variety of standard bred poultry, may become a member of the American Poultry Association by the payment of a fee of ten dollars (\$10.00) at the time of applying for membership. This shall entitle the club to one representative to the meetings of the American Poultry Association. Such Specialty Club shall also be entitled to one additional representative of the meetings of the American Poultry Association for each ten of its members who are members of the American Poultry Association, by paying an additional fee of one dollar (\$1.00) for each such additional representative. These fees, to-

gether with the names and credentials of the representatives, and the names and addresses of all the American Poultry Association, who are members of the said Specialty Club, must be filed with the Secretary-Treasurer of the American Poultry Association prior to its regular or special meeting.

Resolved, That Section 6, of Article III, shall be amended to read as follows:

Section 6. ASSOCIATION REPRESENTATIVE. Any Poultry Association or Society, organized for the purpose of giving annual exhibitions, and whose rules show that it holds such exhibitions under the show rules of the American Poultry Association, may become a member of the American Poultry Association by paying a membership fee of ten dollars (\$10.00) at the time of applying for membership. This shall entitle the Association to one representative at the meetings of the American Poultry Association. Said representative's name and credentials shall be filed with the Secretary-Treasurer of the American Poultry Association previous to its annual or special meeting.

Resolved, That Article VII, of the Constitution of the American Poultry Association, be amended to read as follows:

ARTICLE VIII.

Before any breed or variety can be admitted to the Standard it must comply with the following requirements, to wit:

It must be able to produce more than fifty per cent (50 per cent) true to type and characteristics of the breed or variety. The breed must have been exhibited at least five, and the variety must have been exhibited at least three of the exhibitions where, and when, the American Poultry Association shall hold its annual meetings. At the meeting where, and when, the application for admission is to be considered, there must be exhibited at least twenty (20) specimens, consisting of males and females of three or more generations, and the second generation exhibited must be the offspring of the second generation exhibited.

If the fowl applies for admission to the Standard as a new breed, it must have characteristics distinct from those breeds already admitted to the Standard. If it applies for admission to the Standard as a new variety it must possess the breed characteristics of the breed of which it is variety, and must conform to the existing standard description of shape of the breed of which it is a variety.

A petition addressed to the American Poultry Association shall be presented, containing a description of the breed or variety, its origin and breeding and a proposed standard. Affidavits of the breeder and two or more persons familiar with its breeding shall be presented stating the percentage of specimens, breeding true to type. All papers shall be filed with the Secretary of the American Poultry Association at least sixty days prior to the annual meetings of the Association, and the Secretary shall give notice to the members of the pendency of the petition and shall include in this notice a copy of the proposed standard.

If upon the examination of the affidavits and on inspection of the fowls the members of the Association are satisfied that the fowls have reached a thoroughbred condition, and that all requirements for admission have been complied with, a majority vote of the mem-

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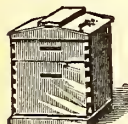
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bers present, and voting, shall admit the breed or variety to the Standard.

A CALLED MEETING OF THE ASSOCIATION. While at Hagerstown, Md., in attendance upon the late adjourned meeting of the Association, the President and Secretary-Treasurer agreed in asking a half-dozen members of the Executive Committee to unite in signing a petition for a called meeting, to be held at San Francisco, California, on Thursday, November 30, 1905. The call specified that this meeting is for the purpose of promoting a further acquaintance with our Association among the fanciers of the Pacific Coast; the actual business of this meeting is limited to the receiving of new members. The President and Secretary-Treasurer guaranteed that there would be no bills presented by them for expenses at this called meeting, as they are to be in attendance upon the California State Poultry Exhibition at that time.

The signers to the above petition are J. H. Drevenstedt, George O. Brown, Charles McClave, Eugene Sites, W. C. Denny and August D. Arnold.

In compliance with the above petition the President of the Association has in-

Let there be a prompt payment of one or more years of dues by all annual members. Better still would it be, if many of these annual members should remit \$8 and be transferred to the life membership list.

NOTICE TO ASSOCIATION AND CLUB MEMBERSHIP.

Attention is called to Article III, Section 1 of the Constitution, which provides that all representatives of clubs and associations must file their credentials with the Secretary-Treasurer at least ten days in advance of the annual meeting. Do not postpone this matter until after January 8th; that will be too late.

THE SALE OF THE NEW STANDARD.

In June, 1905, the Secretary-Treasurer was pronounced rash when he predicted that by July 1, 1906 the sales of our new Standard would reach 10,000 copies. At the time of closing this report more than 8,800 copies have been ordered and paid for, so that it seems quite possible that the 10,000 mark will be reached six months sooner than predicted.

THE OLD BRIDGE NOTE PAID.

We are glad to report that a full and amicable settlement of the Bridge note, held by Mtschke Bros., Columbus, Ohio, has been effected. They agreed to a cash settlement of about 62 per cent of the amount of their claim, and the Finance Committee quickly approved this and the vexatious affair is now ancient history.

ERRORS IN THE NEW STANDARD.

Attention has been called by many to an evident error on page 25, under the head of "Sweepstakes and Special Prizes." In the fifth line of this paragraph change "latter" to "former," so as to handicap solid colored rather than partly colored specimens.

GEO. D. HOLDEN,
President.

T. E. ORR,
Secretary-Treasurer.

Mr. F. D. Baerman, the genial fancier who originated the storm concerning the American Reds, has served notice in due shape that he will propose some changes in the Standard's description of the Rhode Island Reds. He wants "ticking" in the females, and desires reddish buff in preference to reddish salmon undercolor. He also desires to see the clause eliminated which gives the best undercolor preference, other qualities being equal. The weights of hens he wishes changed from six and one-half to seven, and of pullets from five points to six. I imagine there will be some serious objections to this.

That hurler of the editorial javelin, Brer Hewes, gives a piece of his mind and a portion of his inkpot to telling the management of the Lewis and Clark Exposition that he was at their hen show, even if they did try to hide it from him behind a railroad dump. The coasters declare it was a great show for a' that, Theo.

CO-OPERATIVE DISHWASHING.

Why not have a regularly equipped dishery, we might call it—in each neighborhood, with coöperative dishwashing for the families subscribing to it? asks Cara Reese in *Good Housekeeping*. This would mean the erection of a small building, or the lease of a room in some building that supplied "power," or if rigid economy were necessary, simply the experimental "borrow" of a kitchen, with sinks for the pots and pans and the installation of a "hand" dishwashing machine, with, of course, a continuous supply of hot water.

DON'T KILL THE LAYING HEN.

Thousands of hens are killed annually that are among the best layers in the flock, but the owner has heretofore had no way of knowing whether they were laying or not, and has had to trust to luck in selecting hens for slaughter. Realizing the value of knowing how to distinguish the laying hen from the non-laying hen, T. F. Potter & Co., of Downer's Grove, Ill., have given the matter thorough study, and have made a discovery that will be worth thousands of dollars annually to the poultrymen of the country. They have discovered the secret and can tell in one second whether a hen is laying or not, or whether she will lay in the future. Read their large display ad. and then send for their free circular, giving full details. Address T. F. Potter & Co., Box A, Downer's Grove, Ill.

E. A. Parks, the Partridge Wyandotte breeder, has moved from Syracuse, N. Y., to Jamesville, N. Y., where he has a 100-acre farm. He will build several new poultry houses in the spring, one of which will be 150 feet long and 14 feet wide. This farm is pleasantly located on the old Genesee Turnpike, two miles east of Jamesville, where he has express facilities. He is also three miles from Manlius and seven miles from Syracuse. This gives him access to all the express companies. He can spare some of his breeders at the present time.

Advertisers seldom realize in how many ways their advertising gets before the public. One of Mr. Park's customers bought an order of eggs from him through an ad he saw in the AMERICAN POULTRY JOURNAL loaned to him by a friend. This customer, Mr. Wright, of Worcester, N. Y., in reporting to Mr. Parks the success that he had with the twenty Partridge Wyandotte eggs that were sent him, states that he secured fourteen good healthy chicks; the hen killing four or five in the nest, one disappearing after nearly full grown. Mr. Wright signs himself as a satisfied customer.

WHITE PLYMOUTH ROCKS

No better birds anywhere. Bred for utility as well as show purposes. Stock for sale at all times.

FRANK J. HICKS

Onarga, Illinois

White and Barred Rocks.

Partridge and White Wyandottes, Mammoth White Holland Turkeys and Imperial Pekin Ducks. Our birds are winners at Chicago, Cleveland, Indianapolis and Illinois State Shows. We have three yearling and two young toms at \$5 each. No females. Eggs \$2.50 per 15, \$5 per 40. Turkey eggs \$5 per 12. Write your wants. We guarantee satisfaction or return money.

Stryker Bros. Box 204, Plainfield, Ill.

THE BADGER STRAIN

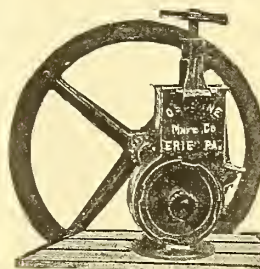
For the next 60 days I will sell my this year's breeders at half their value. Are you going to get some of this grand strain? First come first served. Get my prices for either cockerel or pullet mating. Please write just what you want.

C. A. STROHM

Burlington, Wis.

State Sec. American Ply. Rock Club.

THREE TOOLS IN ONE



The former manufacturer of one of the most popular Bone Cutters has just designed a new machine which he calls the

Osborne Bone Cutter

Really three tools at the cost of one. It grinds bone, cuts vegetables, crushes oyster shells, dry bone or charcoal, grain, etc. Price, \$5 adjusted, light running.

up. Very strong, durable, easily adjusted, light running. Satisfaction guaranteed. Catalogue free.

OSBORNE MFG. CO.

Erie, Pa.



A FISHEL WHITE WYANDOTTE.
Bred and exhibited by J. C. Fishel & Son,
Hope, Ind.

structed the Secretary-Treasurer to publish this call for a meeting to be held at the time and place above specified.

THE INCREASE OF OUR MEMBERSHIP.

At the St. Louis adjourned meeting there were added to our roll, thirty-three life members and twenty-four annual members.

At the Minneapolis annual meeting the additions were as follows: Life members, seven; annual members, thirty-one.

At the late Hagerstown adjourned meeting eleven life members were received; also twenty-six annual members.

In the past year twenty-two members, admitted as annuals, have been converted into life members.

NOTICE TO ANNUAL MEMBERS.

The "Proceedings" sent to all members during the summer of 1904, showed for what year all annual members had paid their dues. Many annual members are now two years in arrears and all such will be dropped from the roll unless their dues of one dollar per year are received by the Secretary-Treasurer by January 8, 1906.

See Article III, Section 4, of the Constitution.

KANSAS EXPERIMENT STATION EGG-LAYING CONTEST.

The egg-laying contest, arranged by the Kansas White Wyandotte Club and conducted by the Dairy and Animal Industry Department of the Kansas Experiment Station, was completed October 31. Each contesting pen consisted of a male and six females, and the competition lasted one year.

The hens have made a fair record, and the average yield will compare favorably with that of other authentic egg-laying contests. Better records would probably have been made had it not been for some unfavorable conditions which accompany the carrying on of such a contest, as, for instance, the transportation and frequent handling of the fowls, and the adaptation to strange rations and surroundings, all of which tend to diminish the egg yield. Beside these usual unfavorable conditions, the winter was the most severe ever known in the State. The pens in which it was necessary to house the contest fowls were of the curtain front type, and built for the accommodation of twenty-five fowls each. This house, with its ample ventilation, is perfectly satisfactory when filled with a sufficient number of birds per pen to maintain the heat, but with only the six hens prescribed by the rules of the contest the house was cold and the egg yield was reduced proportionally.

The methods of care and feeding followed were designed to bring out fair comparative results of the breeds and of individuals, rather than forced egg yields. A variety of grain was fed the year round. This was fed in straw in the winter and in the yards in the summer. An evening mash was fed the entire year, composed at first of equal parts of bran, chop, meat-meal, shorts and linseed-meal and later of bran, chop and meat-meal only. In the winter mangels and alfalfa leaves and in the summer green alfalfa and rape, were used for bulky food. Oyster shell and grit were supplied. No fresh meat, hot mashes, ground bone, red pepper, patent foods or medicines were fed. The intention was to use only such foods as produced normal results and can be secured at any place or in any section.

CONTESTING PENS.

The following is a list of the contesting pens, with notes upon their work:

Single Comb White Leghorns, owned by the Kansas Agricultural College.—This pen, together with the Buff Wyandottes owned by Mr. Wheeler, are not in the contest as arranged by the Kansas White Wyandotte Club, and should not be considered in the honors of that contest. There being no prizes offered, these results are published with those of the regular contest. Although the College birds were moved from another part of the farm to the laying quarter, it must be admitted that they had some advantage over the birds from a distance, especially in the substitution of other pullets for those lost.

Rose Comb White Leghorns, owned by Mrs. Jennie E. Warren, Cottonwood Falls, Kan.—This pen wins first of the regular contest birds. It is worthy of note that their egg yield held up better in the winter than the Single Comb Leghorns. Both Single and Rose Comb Leghorns suffered a loss of two birds each. The Single Comb birds died suddenly during laying periods, while the Rose Comb pullets died of what is known as "going light."

American Reds, owned by Dr. J. Martin, of Wichita, Kan.—These were the best matured pullets at the beginning of the contest, and show the best winter egg record. They were, in fact, hatched so early that they molted during January. There was no sickness or loss in this pen.

White Wyandottes, owned by Beecher & Beecher, Belleville, Kan.—These pullets maintained good health throughout, except No. B1B. This fowl laid poorly shaped eggs, and during October developed a protrusion of the egg-laying organs, which resulted in death of the hen. No. 4C11 of this group is exceptional for steady laying, and also for the earliest and most rapid molt.

Buff Wyandottes, owned by Mr. G. C. Wheeler, Manhattan, Kan.—This pen showed uniformly good layers except 459, whose unusually poor work brings the pen from a high to a low rank. The best of health prevailed and no loss occurred.

Barred Plymouth Rocks, owned by Mrs. J. W. Jones, Abilene, Kan.—This pen consisted of hens, while all others entered were pullets. This was due to an unfortunate misunderstanding, and is manifestly unfair to the breed, for hens are generally considered to be poorer winter layers than pullets. The hens were inclined to over-fatness and were heavy eaters. No. 45 of this pen has a most excellent record for a matured hen. These hens maintained excellent health and suffered no loss.

Light Brahmas, owned by Mr. F. A. Brown, Onaga, Kan.—Brahmas are slow in developing, and these were not developed when placed in the contest and did not lay well except for a short time in the spring. They were in good health, one bird being lost by accident shortly before the close of the contest.

The following tables give the complete results of the contest. The prices taken are on the local Manhattan market, and for sake of comparison, feed prices are given per cwt. All weights given are in pounds or decimal fractions of pounds. The individual loss or gain is figured by assuming that each hen ate one-seventh of the food consumed by the pen. The molting periods are given by the month in which they occurred. The number of broody periods separated by a period of laying is recorded. The laying time lost in breaking up broodiness ranged from ten days upward. The percent of fertility is recorded only for hens from which ten or more eggs were incubated. The records of the weights, of eggs were taken during the summer

months, and are incomplete because a few hens were not then laying. The total weights recorded are only approximations, as the weights of a hen's eggs are not uniform throughout the season. The feed records include all grain and mash fed and the costs and profits figured are intended to serve for the comparison of the pens, rather than as a basis for figuring the profits of commercial egg-production.

BELLEVILLE, ILL.

The St. Clair County Poultry Association will hold their annual show December 13-17, 1905. V. S. Campbell, judge. D. O. Thomas, secretary.

OKLAHOMA CITY, OKLA.

On account of conflicting dates the dates of the State Poultry Show have been changed from January 1-6 to January 29-February 3, 1906. T. E. Shaw, assistant secretary, 2509 Western avenue, Oklahoma City, Okla.

SAND CREEK, OKLA.

The first annual show of the Sand Creek Poultry Association will be held December 6-8, 1905. M. S. Fite, judge. C. L. Bickerdike, secretary.

SHELBY, OHIO.

The Shelby Poultry and Pet Stock Association will hold their annual show February 5-11, 1906. Phil. Feil, judge. W. O. Smith, secretary.

DUNLAP, IOWA.

The Boyer Valley Poultry Association will hold their first annual show December 26-29, 1905. F. H. Shellaburger, judge. Send for premium list to the secretary, George J. Gleason, Box 176, Dunlap, Iowa.

STREATOR, ILL.

The Streator Poultry Club will hold their annual show December 20-23. E. R. Schurman, secretary.

PROFITABLE POULTRY

A free 64-page book, finely illustrated, that tells how to make money raising poultry. Others are doing it; why not you? This book gives full information on breeding, feeding, rearing and hatching. Illustrates and tells why Berry's "Biddy" incubators and brooders hatch and raise the largest per cent of chicks—the kind to buy. Contains cuts of our fine pure-bred poultry with prices of birds and eggs for hatching.

Berry's Golden Rule Poultry Farm, Box 74, Clarinda, Ia.

Partridge and White Cochins

WHEELER & MOORE

1901 South J St., Elwood, Indiana

400 - White Wyandottes For Sale - 400

COCKERELS AND PULLETS

These are from our prize-winning stock and some of them will be heard from in the show room this season.

Write at once for prices and particulars if you want a bargain.

Congress Park Poultry Yards CONGRESS PARK, ILL.

THE SETTING HEN.

As this is the season of the year when many hens of the farmer and fancier want to set, I thought it a good time to tell the readers how my hens are set. Some may think it is rather late in the year but if chicks have plenty of shade and the other necessities they may be raised with considerable profit even at this time. Free range will also help in bringing up these late chicks to maturity. An orchard is an ideal place. I will consider in my article seven distinct topics which I know if followed will bring the best results.

First—A suitable place should be found for the hen. By this I mean a place where wind and rain will not enter. Above all things do not let the setting hen be near or with the laying flock; if she is, poor results are the consequence. Special caution should be taken against rats which prevail in nearly all neighborhoods. If rats have a chance to get in the nest they will eat the eggs. Skunks should be guarded against in the same way. I have had both the rats and the skunks spoil several eggs at one time for me, since then I have been more careful.

Second—Get a square box, in the bottom of which place some slightly moistened earth. On top of this put some hay. A little chaff on top of the hay puts the nest in better shape to receive the eggs. When this has been done take some good brand of lice powder (I use Lamberts with good success) and thoroughly sprinkle the hay and chaff with it, for if we wish to raise strong, healthy chicks we must have them started free from mites. Now put some decoy eggs in the nest, china eggs are good, and are what I use, but stale eggs may be used. Five or six are plenty.

Third—The nest is now ready and the decoy eggs are in it. We will now get the hen. The best time is at dusk. Dust her thoroughly with lice powder. Grease her head with lard or ointment; also under her wings. Now place her gently on the nest. Have her head facing the nest as you place her on, or else she may break the eggs. Do not cover her up with anything; now walk quickly and quietly away.

Fourth—The next night if she is still on the nest and is setting good take her off and remove the decoy eggs. Now place the good eggs under her. About this time of the year from thirteen to seventeen eggs may be put under a hen, depending upon the size of the eggs and the hens.

Fifth—Of course a hen in setting must have something to eat. I have a trough full of whole corn before her always from which she can help herself whenever she wishes, a dish full of grit (which is very essential), and fresh water every morning. This is all the feed that is necessary. The above is what I use and what I have found to be the best for setting hens.

Sixth—A dust bath is not absolutely necessary but it is a good thing to have. Use a shallow box filled with road dust or ashes. The hen likes the road dust the better.

Seventh—Every morning as the poultryman visits his setting hens to water them he should see that all is well. If any eggs are broken or soiled wash them off in lukewarm water; if the nest is soiled replace it with new nesting material.

If the reader follows the rules which

I have given above, it will not be the hen's fault if the eggs do not hatch well. It will be in the fertility of the eggs or in the vigor of the parent stock. I have found by experience that these are the best methods for setting the hens and no one will regret using them.

EDWIN H. HAYES.

Buffalo, N. Y.

SUMMER CLEANLINESS AND HOW IT AFFECTS THE YOUNG STOCK.

Perfect cleanliness is of the highest importance in the poultry yards and houses during the entire year but is especially necessary in the sultry summer months, when every detail should be carefully attended to, which may be of any possible benefit to the growth and development of the young stock. Fowls which have the very best of food and care in other respects will not thrive when confined in unclean and ill ventilated houses and pens. Cleanliness is highly necessary in the rearing of young chicks, no matter whether they are intended for exhibition stock, for breeders, or for the market.

By cleanliness is not meant the use of a large quantity of disinfectants which may give the appearance of cleanliness, although these are undoubtedly good to use in connection with the care of the poultry quarters. Cleanliness is of such great account in the summer that in many cases it may mean the saving of the life of a chick, as well as its health and growth, for cleanliness is the foe of vermin, and vermin is the cause of a majority of the poultry losses and diseases.

The houses for the young stock should be dry and well ventilated and the chicks should be kept from crowding and taught to go on the roosts as soon as possible so that there will be no danger of deformed breastbones caused by overcrowding. The brood coops and brooders should receive much of the poultryman's attention during the hot season and the little chicks should have clean dry straw on the floors of their coops and also plenty of fresh air and shade.

Lime is one of the best things to use in the houses, either in the form of white-wash or sprinkled about the floor as a powder. Carbolic acid is also a good disinfectant and kerosene should be used in the fight against lice and mites. The chicks need to be dusted with insect powder and their dusting places sprinkled with it. The yards should be dug up often and disinfected with lime and carbolic acid, so that the ground will not become old and full of disease germs.

A good house for the young chicks, and one which is easy to keep clean, may be made from an organ box, about 3½ feet wide, 4 feet high, and 4 feet long. Half of one side may, by the use of hinges, be made to swing out as a hood, and the opening covered with wire fencing, so as to give an abundance of ventilation on hot summer nights. The roof is made slanting and a small door may be cut in one end for the chicks, while a larger one may be placed in the side. Fine dry sand is good to spread on the floors of these houses, which may be made of earth or boards.

WILK H. WORKS.

Evay, Ind.

FOR THE HOUSEWIFE.

Ever since our colonial ancestors instituted Thanksgiving Day, it has been a day of rejoicing, and the good old-fashioned dinner plays the all-important part therein. A detailed and an interesting account of a Thanksgiving dinner, as it will be served by the young housewife who has followed the story of "The Making of a Housewife in *The Delinquent*", is given by Isabel Gordon Curtis in the November number. "Thanksgiving Day Novelties" illustrate many seasonable dishes, from the traditional pumpkin pie to a choicely arranged harvest centerpiece. Other articles on "Nut Novelties" and "Maple Dainties" can be made to advantage at this season of the year, and will add a novelty to the family menu.

Mrs. F. A. Hargrave, of Richmond, Kan., commences advertising in *AMERICAN POULTRY JOURNAL* this month. She has done little with her poultry for the past three years, but with returning health she expects to carry on the business larger than ever. She breeds Mammoth Bronze Turkeys and Barred Plymouth Rocks, and has a nice lot of stock on hand, including some fine large boned and bodied Toms, some show birds and a nice lot of Barred Rocks, these being good breeding birds. Topeka, Kan., and Kansas City have been her chief show-rooms, winning whenever she exhibited. She has a 37-pound, 18-months-old, 96-point yearling Tom which heads one of the yards and which has carried off two premiums. On her Barred Plymouth Rocks she recently won 1st pen and 2nd cockerel on six birds entered.

A NEW POULTRY BOOK.

Especially Written and Designed for the Beginners—Sent on Approval.

The book treats at length on the great profits in poultry culture, citing many cases where splendid incomes have been made from this fascinating business. It is a well established fact that there is big money in poultry culture. There are thousands of men and women who are earning princely incomes from it, while there are many more thousands who are making a snug little income every year conducting it as a side issue. To make from \$100 to \$1,000 clear profit every year, just in the spare moments, is no small matter with most people. And yet there are thousands who are doing this very thing raising poultry, and this same thing can easily be accomplished by anybody who will conduct it in an intelligent manner. It is just for this latter class that this book has been designed and by following its simple instructions success will be sure and the profits large.

SENT ON APPROVAL.

We want every beginner to read his book and we are willing to send it free on ten days' approval to every man, woman or boy interested who will take the trouble to write to us for it. In order to assist our readers to get this book on approval we print the following coupon, and advise our novice friends to fill it out, cut off, and send it today: Congress Park Poultry Yards, Congress Park, Ill.

Enclosed find 4c in stamps for which please send me on approval, your new book, "*Successful Poultry Culture for Pleasure and Profit*." If I want the book I agree to send you 50c for it. If I don't want it, I agree to return it to you within 10 days.

Name
Town
State

Barred Ply. Rocks.

Bradley Bros. Strain. Nice, well bred, vigorous cockerels \$2 to \$3. Better ones \$5. Exceptionally fine exhibition birds \$10. E. F. WINSOR, Hollenberg, Kan.

AMERICAN REDS

LANGSHANS—BARRED ROCKS

Old and young stock. Highest grade.

Sunny Side Poultry Farm, Adrian, Mich.

FINE YOUNG BUFF ROCKS

From high scoring stock for sale.

F. WHALEY TURNEY, MO.

Buff Wyandottes and Barred Rocks

Special bargains in breeding pens.

G. R. MORRIS LANARK, ILL.

FIVE THOUSAND LAND AND WATER FOWLS

FOR SALE. Also will sell some of my prize winning breeding yards. Send 10c for 100-page catalogue telling all about poultry, ponies and hogs. GEO. A. HEYL Washington, Ill.

AUTOGRATS OF SHOW ROOM AND UTILITY...

Black Minorcas—W. P. Rocks

Makes sweeping win at late New York Madison Square Garden Show. Four 1sts, two 2ds, including 1st and 3d pens on Minorcas and four 1sts, including 1st pen on Rocks. Grand total eight 1sts and one 2d out of possible 10 1sts in largest and strongest classes each variety ever shown in Garden. Grand chicks and pullets linebred direct from the winners after September. Greystone Poultry Farm, Yonkers, N. Y.

S. C. B. MINORCAS and R. C. B. ORPINGTONS

Some grand young stock for sale, farm raised. Write for circular.

Rosedale Poultry Farm

G. M. Shook Valley Park, Mo.

Hallock's White Wyandottes

won five out of six firsts at New York. Stock for sale.

ROSS C. H. HALLOCK, 6314 Clifton Ave., St. Louis, Mo

**Doolittle's Partridge Wyandottes**

Best on Earth. All but one possible 1st; 3 out of 4 specials; 15 prizes in all on this variety at the World's Fair, 1904. Stock for sale. Catalogue 10 cents.

W. A. Doolittle Sabetha, Kan

BIG SUCCESS WITH HOGS.

SOME farmers are more successful with hogs than others. The man that only gets 8 lbs of pork out of a bushel of corn fed to hogs makes only half as much as the man that gets 18 lbs.

The American Swineherd is a specialist and the best authority on the hog industry.

The greatest success results from concentrating all efforts upon one line.

Three-fourths of the farmers waste a third of their feed given to hogs because they do not understand the best methods.

The American Swineherd teaches you how to be successful.

How to secure the greatest profits.

How to feed, to double the growth and gain over usual methods.

How to keep your hogs healthy, as only healthy ones are profitable.

How to get 18 pounds of pork out of a bushel of corn, and 20 pounds out of a bushel of wheat, fed to hogs.

Prof. Kennedy of the Iowa Agricultural College says: "Your paper is a leader on feeding."

One man writes: "A single instructive lesson in the Handbook on Hog Hygiene saved me \$50 in feeding a bunch of 40 hogs 60 days over the ordinary way of feeding. It is the best investment I ever made."

Every owner of hogs should take advantage of this special offer:

Send us \$1 for two years' snbs, rption to the American Swineherd and it will entitle you to a free copy of the Hand Book on "Hog Hygiene," with trade secrets, recipes, valuable information, etc. If the offer is accepted in ten days we will send you in addition "The Pig Feeders' Manual," worth a \$1 itself.

This equips you for a successful hog business.

AMERICAN SWINEHERD

Como Bldg., Chicago, Ill.

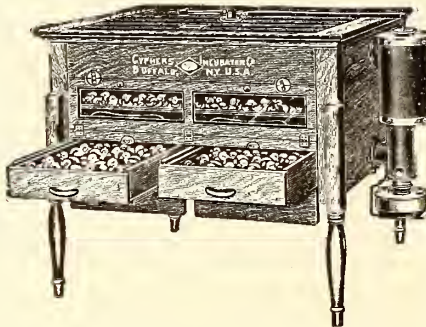
1906 CYPHERS COMPANY INCUBATORS.

After Two Years of Experimenting and the Most Elaborate and Thorough Tests Ever Made These New Machines Are Placed on Sale with 18 Distinct Points of Improvement. Five New Patents Pending.

Readers who had come to believe that in the Standard Cyphers Incubators as manufactured in recent years the limit of excellence had been reached—and that takes in the largest part of the poultry raising world—will be surprised at the Cyphers Company's latest announcement.

We were not, and we believe poultry raisers in general were not, looking for any startling announcements from the Cyphers Company this season, because by a sort of common consent the Cyphers Incubator had come to be regarded not only as "the standard" among incubators, but as embodying every possible requirement in the best form to secure excellent hatching results. The announcement, therefore, cannot be other than startling, that the 1906 Pattern Standard Cyphers Incubator embodies no less than eighteen distinct and valuable improvements upon the Cyphers as manufactured and sold in 1905. And yet the jury of International awards at the late Louisiana Purchase Exposition, in awarding to the Cyphers the gold medal and highest honors, called it, in their judgment, "a perfect incubator."

It seems that the Cyphers Company for two years has been working quietly on these new features. They did not underrate the excellence of their machine, but they believed that, good as it was, it could be im-



proved in certain particulars. They set about working out these improvements. Having accomplished all this to their own satisfaction, they did not at once offer the machines to the public. Wise conservatism forbade them to do this. They decided to make no announcement whatever until the seal of unquestioned approval had been set upon the improved machines by the leading poultry raisers of this country and Canada. How this was secured is told in an interesting way in the November advertisements of the Cyphers Incubator Company. Not until near the expiration of the second year, and not until all their proofs were perfected, was any hint whatever given to the public of what was going on. The 1906 machine, embodying the 18 distinct points of improvement, on which five separate patents are pending, is now announced.

This seems to us a matter of such importance, and the improvements on the Cyphers for the coming year pertain so evidently to the essentials of producing the most and the strongest chicks from a given number of eggs, that we reproduce here for our readers' attention the entire eighteen points of improvement. We give them in the words of the manufacturers, with their own brief explanation of the direct advantages of each:

1. Increased cubic capacity of hatching chamber, giving a greater volume of air and supplying more oxygen to the developing chick embryo.

2. Drop or hinged bottom to all Standard machines (Nos. 0, 1, 2 and 3) which, when let down, exposes the entire lower felt diaphragm, thus securing greater elasticity of ventilation, thereby adapting these machines to a far wider latitude in range of temperature.

3. Self-elevating nursery drawers (in the Nos. 2 and 3 Standard machines) for the reception of chicks and ducklings first to hatch and for use as carrying boxes for transporting the chicks and ducklings to the brooders or brooding house.

4. Staggered ventilating holes in drop bottom, which break up and diffuse the circulation of air to a beneficial extent.

5. Improved toggle lever thermostat, by the use of which one-fifth of a degree of change in temperature in the hatching chamber will positively control the heat.

6. Lock-nut at bottom of connecting rod that attaches the thermostat to the regulator arm, which renders it impossible for the nut to fall off or the connecting rod to work loose.

7. Double removable top diaphragms, so constructed that the thermostat (which is properly placed and adjusted at the factory) need not be removed nor interfered with at any time, for any purpose.

8. Fine texture fabric used for upper diaphragm, which permits the heat to pass through more readily into the hatching chamber, resulting in a saving of 15 to 20 per cent of oil.

9. Sloping or "dished" egg-trays (in the No. 0 and No. 1 Standards and in the Farm Economy and Boy's Choice incubators), i. e., trays which slope to the center from all points of the tray, thus assisting to equalize the temperature on a level with the top surface of the eggs in these small sized machines. The "inclined" (sloping) trays are retained in the No. 2 and 3 Standards.

10. "Split" or double lower diaphragm, which can be removed, washed, aired, replaced and the space between the burlap and felt readily cleaned.

11. Removable wire screen frames which protect the interior of the Nos. 2 and 3 Standard incubators when the drop bottoms are let down and that can be taken out at will when it is desired to clean these large-sized, deep-bodied machines.

12. Ease of access through open bottoms of Nos. 2 and 3 Standard machines for purpose of cleaning after a hatch, or at end of hatching season.

13. Special top and side ventilators for drying off ducklings, which makes these machines combination hen-egg and duck-egg incubators, rendering unnecessary the purchase of "special duck" incubators.

14. Patented gravity chick guard, which automatically prevents the chicks or ducklings in the nursery drawers from being injured when the drawer covers are pushed into place and the drawers are withdrawn.

15. Adjustable safety lamp support, instantly attachable without the use of nails, screws, bolts or other fastenings.

16. Guide ring on lamp burner, which renders it impossible to misplace lamp.

17. Black enameled metal cap and metal band for heater, which protect the asbestos heater jacket and add greatly to the durability and appearance of heater.

18. Removable mica on heater, so that it can be taken out to be cleaned, or can be replaced if broken.

It will be seen that all these are essentials and not mere talking points. The jury of 225 leading poultry raisers of the United States and Canada so regarded them. The Cyphers Company showed its wisdom as well as its conservatism in having its improvements passed upon by such an array of impartial judges before offering the new machines to the public. What these people said is appearing in Cyphers Company advertisements. More proofs are given in the new Cyphers Catalogue, which contains six chapters on poultry raising for profit, the raising of broilers, roasters, capons and ducks; photographs of America's leading successful poultrymen and the world's largest poultry plants; also complete illustrated description of our full line of manufactures.

It is mailed free and is certainly a catalogue that every poultry raiser should have.

S. C. WHITE LEGHORNS—ALL FOR SALE.

I have been very fortunate in adding to my White Wyandottes a remarkable flock of S. C. White Leghorns, and they certainly are the breed that lays and pays. My birds are very large birds of the strain. I have not shown any of this variety at the shows, as the demand for my stock was very large, but all of my pens are mated up with noted birds, both for the highest exhibition and utility. If you buy 12 eggs or 1,000, you get them from my best pens—I have no poor pens on the farm. Five hundred pullets, 100 cockerels. Write for prices and particulars to the Emma B. Poultry Farm, Gurnee, Ill.

THE DELINEATOR FOR DECEMBER.

For color work, press work and general beauty and usefulness, the December Delineator is conspicuous among the Christmas magazines. Eight paintings by J. C. Leyendecker, illustrating and interpreting the Twenty-third Psalm, is the most extensive color feature of the number, but a painting by Alphonse Mucha, accompanying a poem, "The Mother of Bartimeus," by Theodosia Garrison, is fully as notable as an art work. The short fiction of the number comprises stories by Hamlin Garland, John Luther Long, Gilbert Parker, and Alice Brown. The opening chapters of a new serial—a woman's club story—"The President of Quex," are given; it is said to be in the nature of a reply to "The Evolution of a Club Woman," which created great interest in the magazine last year. There is also the continuation of "At Spinster Farm," articles on Brass and Copper Utensils in "The Collector's Manual" and the Child at Play in "The Rights of the Child." A series of illustrated papers under the title "Some Heroines of Shakspeare—by their Impersonators," also begins in this number with Eleanor Robson on Juliet. The pastimes for children are filled with the spirit of the season, and there is an abundance of matter of housewifely interest.

"LINCOLN THE LAWYER."

Frederick Trevor Hill, the author of "The Accomplice," "The Case and Exceptions" and other books, has just completed work on a series of articles to be called "Lincoln the Lawyer," which The Century will print, beginning in December. Notwithstanding the fact that Lincoln's practice as a lawyer extended over twenty-four years, his achievement as a statesman so transcended his legal accomplishment that his chief biographers have necessarily given but brief space to his experience as a lawyer. Mr. Hill's articles are largely based upon the examination of court records and other personal investigations in the old Eighth Illinois Circuit, over which Lincoln traveled. Mr. Hill has had the assistance of Robert T. Lincoln, Robert R. Hitt, Judge Lawrence Weldon and many members of the bar and officers of the Illinois Historical Society.

THANKSGIVING NUMBER OF AMERICAN BOY.

In getting out this specially attractive number to mark the beginning of its seventh year, the publishers of The American Boy are certainly to be congratulated. The artistic, vigorous cover-page picture has "Thanksgiving" written all over it, and the contents of the paper almost marks the limit of what boys enjoy and will all be found of unusual interest. There are eighty-five splendid illustrations. Subscription price, \$1 a year. The Sprague Publishing Co., Detroit, Mich.

THE OUTING MAGAZINE FOR DECEMBER.

At Christmas time one naturally looks for something out of the ordinary in magazine production. The illustrated magazines of America lead the world, and how near the top stands The Outing Magazine we will leave you to judge after you have looked over the December number. With its six full page color plates, it is the best and handsomest number ever issued. Every article is brilliant, full of the rugged flavor of outdoor life and intensely American.

The Christmas number of Scribner's Magazine contains fiction by a remarkable list of contributors, which includes Frances Hodgson Burnett, Richard Harding Davis, F. Hopkinson Smith, Mary R. S. Andrews, Ralph D. Paine and Nelson Lloyd. There is also one of Henry van Dyke's most imaginative poems entitled "The Swarming of the White Bees," which is full of melody and fancy. Artistically the number is made beautiful by a colored cover, and many illustrations reproduced in colors by F. C. Yohn, Henry McCarter, J. C. Leyendecker and George Wright. There is also a beautiful art article by Kenyon Cox on the paintings of Holbein, with many examples of his work.

JUDGING DATES OF THEO. HEWES, INDIANAPOLIS, IND.

Dec. 1-4—Fort Wayne, Ind.
Dec. 4-6—Marshalltown, Iowa.
Dec. 8-9—Cattin, Ill.
Dec. 12-16—Kirksville, Mo.
Dec. 15-16—Vevay, Ind.
Dec. 19-22—Frankfort, Ky.
Dec. 27—Christmas week—Duluth, Minn.
Dec. 29-30—Viroqua, Wis.
Jan. 1-3—Eaton, Ill.
Jan. 3-6—Zion City, Ill.
Jan. 9-10—Ann Arbor, Mich.
Jan. 11-13—Newcomerstown, Ohio.
Jan. 16-20—Cincinnati, Ohio.
Jan. 22-25—La Crosse, Wis.
Jan. 29-31—Cleveland, Ohio.
Feb. 2-5—Toledo, Ohio.
Feb. 4-10—Indianapolis, Ind.

JUDGING DATES OF D. P. SHOVE, FALL RIVER, MASS.

Holyoke, Mass.
Springfield, Mass.
Leominster, Mass.
Lynn, Mass.
Woonsocket, R. I.

SOUVENIR POSTALS.

Nothing in modern times seems to have taken such a firm hold of men, women and children as the craze for Souvenir Postals. It is more than a fad—it is here to stay. Germany is still leading the world in the number sent, but we Americans are not far behind. Quite a novel idea in Souvenir Postals is a set published by the Pratt Food Company, of Philadelphia. These are printed in two colors—ten different designs and have the words "Souvenir From" printed at one end, so that it can be filled in by anyone and it becomes a souvenir from them and from their home. Most of the dealers in Pratt's Foods and Veterinary Remedies have these for free distribution, or for a limited time a full set of ten will be sent to any address upon receipt of 10 cents sent to Advertising Department, Pratt Food Company, No. 130 Walnut street, Philadelphia, Pa.

Judge W. S. Russell visited my yards last week and scored a number of birds for me. He found quite a few Barred Rock cockerels that scored 93 and a number that went from 92 to 92½. He also picked out a number of later ones that he said would be in fine shape and of such quality as to do to show at New York and Chicago.

I have over 500 birds to dispose of and

am making a special offer on fine large breeding cockerels at from \$3 to \$5 and pullets from \$3 up. This is about half their actual value, but I must have the room.

Magon, Ill.

DR. O. P. BENNETT.

"That warm blanket"—"just like the hen"—and fresh, pure air is what does it. The "Mandy" Lee is easily the best yet, says E. B. Hall, of Racine, Wis. It's the contact heat brooder. Catalog free.—Geo. H. Lee Co., Omaha, Neb.

S. C. Rhode Island Reds, owned by the De Graff Poultry Farm, Amsterdam, N. Y., made the following record at the Great Eastern Poultry Show held at New York City: 1st and 3d on cock, 1st on hen, 1st, 3d and 4th on cockerels, 1st on pullet, 1st and 3d on pens, making a record to be proud of.

The Wheeler Homestead Poultry Yards, of Kanona, N. Y., is the only plant in the country using Black Minorcas for market eggs. They have about 300 pure bred hens and have shipped since January, 1905, 24,000 eggs to hotels in Buffalo. They have for sale 50 S. C. Black Minorca cockerels.

Floyd C. Tabor won 2d on Brown Leghorn cockerel at the Great Eastern Poultry Show held in New York City, Nov. 13-17, 1905. There was a good showing of Brown Leghorns at the show and for Mr. Tabor to win 2d cockerel speaks well of his ability as a breeder of Brown Leghorns. He still has a few choice specimens to spare and our readers should write him for prices.

W. A. McCall, Xenia, Ohio, is advertising Barred Plymouth Rocks in this issue. Mr. McCall knows how to produce the good ones and has won a large number of prizes on his birds. Those of our readers who are interested in this variety should write him for further information.

The York Honey & Bee Supply Company, 141 Ontario street, Chicago, Ill., H. M. Arnd, manager, has secured the western agency for the Cornell incubators and brooders. Their ad will be found elsewhere in this issue; look it up and write them for catalogue and any other information you desire.

H. P. Mason, Fayette, Mo., breeder of Buff Rock Nuggets, writes that he will not exhibit this season, and has nearly 300 choice birds for sale. Mr. Mason was the largest winner at the World's Fair in the Buff Rock class, and he also won the Buff Rock State cup.



A GOOD POULTRY HOUSE

is a necessity. Morgan's Sanitary Houses in size, style and price are the best and cheapest houses on the market. Built right, arranged right, sold right. New illustrated catalog. Address

Box 1 SANITARY PORTABLE HOUSE CO., Lemont, Illinois.

BE ON THE SAFE SIDE

HARDING'S SUCCESSFUL ROUP CURE furnishes sufficient medicine to save the entire flock. Placed in the drinking water, fowls take their own medicine. No waste—no loss. This is a guaranteed cure, or money refunded. Have either a 50c or \$1.00 box of **HARDING'S SUCCESSFUL ROUP CURE** constantly on hand. If your dealer hasn't it in stock, send direct to the manufacturer. Price 50c and \$1.00, postage prepaid. Agents wanted. Send for free book, "How to Make Poultry Pay." Write today. **GEO. L. HARDING, BOX 333, BINGHAMTON, NEW YORK, U. S. A.**

There is no earthly use of having chicks die when a remedy is within the reach of all. A 50c box of **HARDING'S SUCCESSFUL ROUP CURE** constantly on hand.

CAXTON ENGRAVERS & PRINTERS
334 DEARBORN ST.
CHICAGO, ILL.

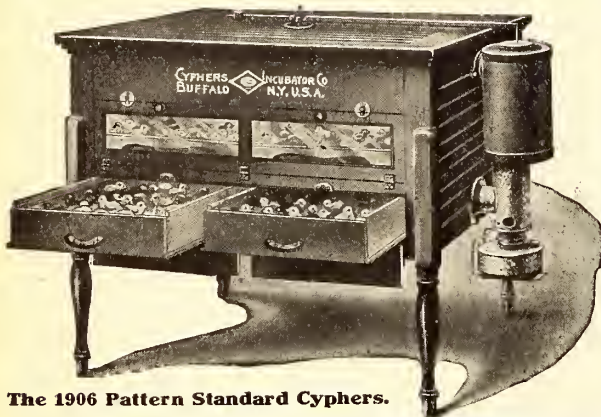
POULTRYMEN:—We are interested in your business, that is, if we can increase the sale of your stock. You want our help—How? By presenting good, clear arguments through well printed and illustrated circulars, booklets, cards, etc. We make the best poultry cards and half-tones, and do the best poultry printing on the market.

INCUBATOR PROGRESS!

FACTS TALK!

Anybody in this great free country can "CLAIM" almost anything, but **PROOF IS WHAT COUNTS.**

If it is true that the leading, successful poultrymen in the United States and Canada declare the **1906 PATTERN STANDARD CYPHERS INCUBATOR** to be "The Most Perfect Hatching Machine Ever Devised by Human Ingenuity and Skill," and **YOU** are thinking of buying an Incubator, it certainly will be to your interest to investigate our proofs.



The 1906 Pattern Standard Cyphers.

And That Is All We Ask.

We claim eighteen distinct and valuable improvements in the 1906-pattern Standard Cyphers Incubator—improvements that add greatly to the convenience of handling, economy of operation and **Certainty of Results.** Our guarantee is that the latest pattern, genuine Cyphers will hatch **larger percentages of bigger, stronger and more vigorous** chicks and ducklings than any other make of incubator on the market—*this, or your money back.*

1906 Standard Cyphers Incubators

Highly Endorsed by Men You Know.

CANADA. 95½ Per cent. Hatch.

London, Ont., June 26, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
I received the No. 2, 220-egg capacity **1906-pattern Cyphers Incubator** in splendid condition and placed it in a nice, dry, well-ventilated cellar. * * * **The chicks all hatched at once**, practically speaking, and I had a little over 95½ per cent. of **healthy, strong chicks.** This is the best incubator I ever operated. I like all the improvements. They make the machine easier to operate and it takes less oil to run than the old Cyphers. * * * * *

I think your new machine is about perfect.

Yours truly,

John H. Hill

GEORGIA. 93 Per cent. Hatch.

Station A., Atlanta, Ga., June 26, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
We put 220 eggs in one of your **1906-pattern Standard Cyphers Incubators**, tested out only ten as being infertile and out of the remainder (210 eggs) I hatched 196 as fine, healthy chicks as we ever saw. We ran the machine with the drop bottom down to the floor. This machine requires a good deal less oil to run than do the others. While we have been operating your incubators during the last five years and consider them first-class, we think the 1906-pattern is superior in every respect.

Respectfully yours,
Long View Poultry Farm, *F. D. Nixon*,
Manager.

IOWA. 96 Per cent. Hatch.

Iowa Falls, Iowa, June 27, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
Find herewith report of my first trial with the **1906-pattern Cyphers Incubator.** One hundred and seventy-three Wyandotte chicks from one hundred and eighty eggs (96 per cent plus) is certainly a remarkable result. The trial given the machine was a very severe one. During incubation a hot wave swept over this section. This was followed by a decided drop in the temperature, accompanied by a cold wave.

The machine all this time did not vary a fraction of a degree. The chicks came very strong, every one firmly on its feet and as vigorous as could be. * * * I am delighted with the machine. It means more profit to breeders and fanciers. Consumed 20 per cent less oil during the hatch, which is a matter of consequence.

Yours respectfully,

Thos. F. Rigg

ALABAMA. 94, 98 Per cent. Hatches.

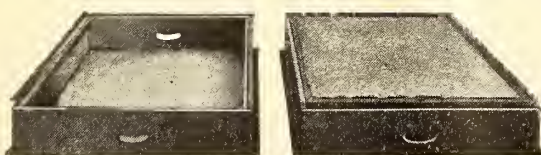
Birmingham, Ala., R. F. D., No. 5,
August 22, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
In our opinion your **1906-pattern Standard Cyphers Incubator** is the most complete machine for hatching on the market and the most convenient to handle. The ventilation is excellent and the thermostat holds the heat to a fraction of a degree. We made three trial hatches with remarkable results, hatching 20 per cent more chicks than ever before (we have used Cyphers incubators for several years) and at one-third less expense for oil. The three hatches were brought off June 9th, July 1st, and August 19th respectively and gave us 175 chicks from 186 fertile eggs, 160 chicks from 185 fertile eggs and 192 chicks from 195 fertile eggs. Considering the time of the year, the foregoing results approach perfection and we look upon your 1906-pattern as a marvel. In our estimation the incubation was perfect. We are going to replace all our old-style machines as fast as possible with the 1906-pattern.

Very truly yours,

Francis Profit
John R. A.

CONNECTICUT. 100 Per cent. Hatch.

Bristol, Conn., June 15, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
Am pleased to report very remarkable success with the **220-egg Standard Cyphers Incubator, 1906-pattern.** * * * When the machine was started we had in it both Partridge and White Cochins eggs and eggs from six different neighbors, making eight different kinds of eggs. * * * About ten days after starting the machine we had a very warm day and the temperature stood at 91 in the incubator.



Showing Construction of Nursery Drawers and Carrying Boxes Used in No. 2 and No. 3 Standard Cyphers Incubators, 1906 Pattern.

cellar, but at no time did the machine show any variation from 103. * * * All chicks were out on the 20th day and I am happy to say all the Cochins came out strong and clean and from the other 110 eggs we hatched 102 chicks, making a 95 per cent hatch of all eggs that were left in the machine after the second test; and I would add that the hatch from the eggs possible to hatch was 100 per cent, as we found that the chicks not hatched died in the shell at about the time of the second test. Your directions were followed to the letter. * * * Every chicken is yet alive and very strong, as all came out of the shells in the best of condition. Yours very truly,

Wm. M. Smithee

COLORADO. 6098 Feet Above Sea Level.

Colorado Springs, Colo., Aug. 13, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
Last week (August 9) I took off a hatch of 236 chicks from my 1906-pattern Standard Cyphers, and I believe this to be the largest hatch ever taken at one time from any make of incubator in Colorado Springs. Three of my friends have _____ incubators. The best one of them could do was 67 chicks from 300 eggs, and the other two got six chicks each from 150 eggs. One of them at least is already a Cyphers convert and has written you. Another friend will sell his _____ in the spring and get a 1906 Cyphers.

Yours truly,

G. W. Veditz

INDIANA. 93 Per cent. Hatch.

Winamac, Ind., July 5, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
Find enclosed report of my first hatch with the 1906 Standard Cyphers. I placed 240 White Wyandotte eggs in this machine and had 173 fertile left after the second test. On June 13th I took off 162 strong chicks, all of them hatching within twenty-four hours. To obtain a hatch of better than 93 per cent so late in the season is very satisfactory. I do not see wherein the machine could be improved. Very truly yours,

Chas. V. Keeler

LONG ISLAND, N. Y. Chicks and Ducklings.

Farmingdale, L. I., N. Y., July 10, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
I take great pleasure in reporting my success with your 1906-pattern Standard Cyphers Incubator. I have waited until now, as I wanted to report on duck eggs as well as on hen eggs. I set 290 hen eggs, and on the first test

found 276 fertile, from which I took out 254 strong little chicks (92 per cent plus). Also from 200 duck eggs, of which 165 were fertile, it turned out 146 ducklings (88 per cent plus).

I cannot see how this machine could be improved upon, as I find that it will hatch practically every hatchable egg and the regulator is perfect. I ran the machine in my cellar, which is about 75 degrees, with the drop-bottom down to the floor. I cannot say too much in favor of this type of machine and believe it is the best incubator on the market.

Yours very truly,

Belle Fleuer Poultry Yards,

A. B. Sobothin

PENNSYLVANIA. 90½ & 95 Per cent. Hatches.

Moon Run, Pa., Oct. 3, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
I take great pleasure in recommending your 1906-pattern Standard Cyphers Incubator. I ran it through two hatches and received a 90½ per cent hatch from the first trial and a 95 per cent hatch, second trial. The last hatch was run during very warm weather and I ran the entire hatch with the bottom dropped down to the floor and very little light turned on. The regulator worked perfectly and I think the nursery drawers a great improvement. This new machine is as near perfect as can be made and I believe you have the moisture question solved. Have used several different makes of incubators, but find the Cyphers the best in every particular. Yours truly,

C. F. Lorish

MICHIGAN. 92 & 91 Per cent. Hatches.

Dearborn, Mich., Sept. 21, 1905.
Cyphers Incubator Co., Buffalo, N. Y.
Your 220-egg Standard Cyphers incubator, 1906-pattern, arrived in good condition. Two hatches were run through it. The first hatch, from 176 fertile eggs I obtained 163 strong chicks (92 per cent plus); second hatch, from 194 fertile eggs I obtained 176 strong chicks, (91 per cent) with drop-bottom down to the floor. I have carefully examined the 1906-pattern Cyphers and cannot see where it can be improved. The lamp guide and new bracket are a marked improvement. The nursery drawers are very convenient and the regulator perfect. Yours very truly,

NOTE:—For reports from other States of the Union see complete catalogue.

Samuel D. Lopham



1906-Pattern Metal Cap Heater.

Please Bear in Mind

that these latest pattern GENUINE, PATENT-DIAPHRAGM, NON-MOISTURE

Cyphers incubators are not offered to you untried, untested—in the nature of an experiment. They have been operated with uniform success in all parts of the United States and Canada by the best known men in the poultry business, by foremost fanciers, by the proprietors and managers of the largest poultry plants in America and by professors at the Government experiment stations; by men whose names are synonymous with integrity and reliability; by men who would not make false reports or lend their names to purposes of deception, either directly or indirectly.



1906-Pattern Safety Lamp Support.

THE ABOVE CONDENSED REPORTS ARE BUT FAIR SAMPLES. Hundreds of others equally strong and convincing are published in our complete catalogue for 1906, entitled "Poultry Raising Made Easy and Profitable"—A FREE COPY of which will be mailed to anyone who will mention this paper and send us the names and addresses of two neighbors who are interested in poultry for profit.

THIS NEW CATALOGUE consists of 228 pages, 8 x 11 inches, and contains a large amount of valuable information, including six chapters on poultry raising for profit, the raising of broilers, roasters, capons and ducks for market, poultry keeping on the farm, photographs of America's leading successful poultrymen and illustrations of the largest poultry plants in the world; also a complete illustrated description of our full line of manufactures, embracing the following popular Cyphers Company specialties:

Mealed Alfalfa,	Laying Food,	Shipping Coops,	Feed Cookers,	Egg Preservative,	Egg Testers,
Short cut Alfalfa,	Forcing Food,	Egg Carriers,	Lice Powder,	Poultry Remedies,	Wire Fencing,
Shredded Alfalfa,	Scratching Food,	Food & Water Vess.,	Liquid Lice Paint,	Food Hoppers,	Roofing,
Chick Food,	Brood Coops,	Bone Cutters,	Fumigat'g Candles,	Grit & Shell Bxs.,	Sprayers, etc.
Developing Food,	Portable Houses,	Chicken Markers,	Disinfectants,	Leg Bands,	

NOTICE—This is advertisement Number 2 of the series. For Number 1 see last month's issue of this paper. For Number 3 see next month's issue.

Write to-day, Addressing Nearest Office.

CYPHERS INCUBATOR COMPANY,
Factory and Home Offices, Buffalo, N. Y.

BRANCH STORES AND WAREHOUSES:

23 Barclay St., New York, N. Y. 26-30 Union St., Boston, Mass. 310 Fifth Ave., Chicago, Ill.
329 Sansome St., San Francisco, Cal. 2325 Broadway, Kansas City, Mo. 119-125 Finsbury Pavement, London, E. C., Eng.

Shows, Associations and Clubs

Secretaries are requested to send us the latest news and announcements for this department.

SEDALIA, MO.

The Sedalia Poultry and Pet Stock Association will hold a Show December 26 to 30. L. P. Harris, Clay Center Neb., judge; L. H. Archias, secretary.

KINGSTON, N. Y.

The Ulster County Poultry, Pigeon and Pet Stock Association will hold its annual show December 13-15, Drevenstedt, judge; F. E. Miller, secretary; Rifton, N. Y.

BLOOMINGTON, ILL.

The Bloomington Poultry Association will hold their annual show, January 10-16, 1906, W. C. Pierce, judge; J. H. Rader, secretary.

LA CROSSE, WIS.

One of the best and largest shows to be held in Wisconsin this season will be that of the La Crosse Progressive Poultry Association to be held at La Crosse, Wis., January 22 to 27, 1906. Theodore Hewes will act as judge. The association has made great plans for this show and premiums well worth competing for

will be offered. Cash prizes on single birds and breeding pens will be paid, besides sweepstakes and special premiums. It will be the meeting place for fanciers from Western Wisconsin and Minnesota and a score card signed by Hewes at the La Crosse show will be of great value. Premium list may be had by addressing H. J. Hahn, secretary, La Crosse, Wis.

DELAVAN, WIS.

The management of the Southeastern Wisconsin Poultry Association take pleasure in announcing their Eight Annual Exhibition at Delavan, Wis., January 15-20, 1906. This is the oldest continuously organized poultry association in the State, and its increasing popularity is its best recommendation. Its aim is to please and the praises of scores of Wisconsin and Northern Illinois exhibitors attest the fact that it does please. The forthcoming show gives promise of even greater things than its predecessors. Among the many superior inducements to the fancier which this show offers may be mentioned the following: The exhibition is held in a well lighted hall in uniform exhibition coops furnished free by the Association. The

cash and special prizes are both liberal and promptly paid. The birds are well cared for and returned in good condition. Only the best judges are employed, and the last show, having outgrown the capacity of one judge, the directors have engaged the services of two competent men to pass upon the birds this year. Good things are in store for Delavan exhibitors and all poultrymen are invited to come and take advantage of them. The Premium List and Breeders' Directory will be ready for distribution about December 15. All inquiries regarding the show will be promptly answered by the secretary.

Delavan, Wis. W. E. PEPPER.

AMERICAN LEGHORN CLUB MEETING.

The twelfth annual meeting of the American Leghorn Club will be held at Madison Square Garden on Friday, January 5, 1906, at 4 p. m. during the New York show. Good attendance is desired. Some special business to transact.

W. W. BABCOCK,
Secretary and Treasurer, Bath, N. Y.

PAXTON, ILL.

The Ford County Poultry Association of Paxton, Ill. will hold their first annual show, January 25-27, 1906. W. H. Surface, secretary.

CORVALLIS, ORE.

The second annual show of the Corvallis Poultry Association will be held November 30th to December 2d, 1905, C. G. Hinds, judge. Gene M. Simpson, secretary, Corvallis, Ore.

Let Us Quote You a Price ON A GENUINE CHATHAM INCUBATOR.

WE have a surprise for you on the price of our 1906 Chatham Incubators, made in several sizes. This price is so low for the *genuine* Chatham Incubator that you cannot afford to think of buying an incubator before writing to us and getting our quotations.

We are the largest Incubator Manufacturers in all the world. Our two mammoth factories—which are larger than any other six incubator factories in the country put together—enable us to turn out six to seven hundred machines a day.

Buying high grade lumber in several million feet lots at a time—having the most modern machinery in every branch—enables us to turn in our own factory everything that goes into our machines—with the exception of the screws and nails—and having large capital to work with enables us to produce the highest grade machine on the American market at a very low price.

There is no question about Chatham Incubators. They have stood the test—and our liberal selling plan enables you to prove, for yourself, that the quality of our machines is the highest—or you can get your money back—because, we ship them on 84 days free trial, which enables you to take off four hatches with a Chatham—and if the machine at the end of the four hatches is not exactly as we claim it to be—and does not do what we claim it will do—you can send it back to us and you won't be a penny out.

We will pay all the freight charges both ways, and beyond that, we issue a 5-YEAR IRON-CLAD GUARANTEE which insures that the Chatham Incubator will not only hatch at the end of the first season, but at the end of the fifth season. Now our 84 days' free trial and five-year guarantee, together with the extremely low price we are quoting on these machines, makes the Chatham Incubator offer the most liberal one of the year.

We have a new catalogue just out—which tells about the Chatham perfect system of heating, ventilating and regulating. Chatham Incubators are built as solid as a rock and are made to stand rough usage—five years of it—and live out our guarantee. We have warehouses in 20 different cities throughout the country, from which we can ship machines, thus insuring prompt delivery.

Write us at once for our Free Catalogue, telling us what sized machine you are interested in, and we will send you the catalogue at once, together with special quotations on our full line. Address

THE MANSON CAMPBELL CO. Ltd., 52 Wesson Avenue, DETROIT, MICH.
Manufacturers of Chatham Fanning Mills, Corn Graders, Incubators and Brooders



**84 DAYS
FREE TRIAL**

NORWALK, OHIO.

The third annual show of the Fireland Poultry and Pet Stock Association will be held February, 14-19, Charles McClave, judge; T. P. Kellogg, secretary.

LYNN, MASS.

The ninth annual show of the Lynn Poultry Association will be held January 2-5, 1906, W. B. Atherton, J. Fred Watson, D. P. Shove, and C. G. Flinders, judges. Chas. E. Hunt, 157 Maple street, Lynn, Mass.

PAINESVILLE, OHIO.

The tenth annual exhibition of the Painesville Poultry and Pet Stock Association will be held at Painesville, Ohio, January 10-15, 1906.

As has always been the rule this will be a score card show, Mr. Thomas F. Rigg, one of the best known poultry experts, will be the judge.

This association has held nine successful shows, always paying their premiums in full, and the exhibitors as a rule have been well pleased and satisfied with their treatment.

Liberal cash premiums are given on all standard varieties. The premium list will be forwarded upon application.

The officers of the association are president, Dr. O. O. Hansch, Perry, O.; vice-president, Ira M. Crowther, Willoughby, O.; secretary and assistant, F. G. Johnson and A. H. Ayer, Painesville, O.; treasurer, F. C. Crosby; superintendent, H. M. Mosely; executive committee, H. M. Mosely, Tom Linton, Wurt M. Warner, J. H. Waters all of Painesville, O.

EDON, OHIO.

The first annual show of the Edon Fanciers Association will be held January 10-13, 1906. Eugene Sites, judge; John Gearhart, secretary.

MOHNSVILLE, PA.

The Wyomissing Poultry and Pigeon Association will hold their first exhibition in the large K. of P. Hall December 19-23, 1905. Chas. T. Cornman, of Carlisle, Pa., has been engaged as judge. And the officers and members of the as-

sociation are using every effort to make this show the largest and best ever given in this part of the state. Catalogues and premium list now ready, and can be had by addressing the secretary, Geo. W. Hatt, Mohns Store, Pa., who will also be pleased to answer any and all correspondences.

DAVENPORT, IOWA.

Davenport will hold the largest show in this state this season. Do not fail to send for premium list and see what a large list of cash and other special prizes we are offering in addition to our regular prizes. Premium list now ready. Address J. B. Voss, Secretary.

NEWARK, N. J.

The next Newark Poultry, Pigeon and Pet Stock Show is to be held in the Bamberger Auditorium, Newark, N. J. January 29, 30, 31, and February 1, 2 and 3, 1906.

Newark is one of the few first-class exhibitions. These words are a bit sweeping, but I mean all I say; for a show, in my humble opinion, cannot be "first-class unless it is powerful enough to demand a high entry fee—pay valuable regular class premiums—offer substantial cash or plate specials—employ a staff of judges of the highest standing—give good ribbons, badges and diplomas—issue an official marked catalogue—engage an outfit of light, uniform and attractive cages, command a good attendance—and after the curtain drops, disburse all its liabilities.

Newark has done all this and more too. She offers \$5 first and \$2 second in all poultry classes—about \$300 in cash and cups. The judges, badges, catalogue and cages are a matter of history and the attendance for the six days last year exceeded 70,000 by actual count.

With an entry fee as high as the Madison Square Garden, N. Y., and Boston with the regular class prizes identically the same and with an attendance equal to about any of the three largest poultry shows combined, who can truthfully say that Newark is not one of the "first-class" shows?

The aim of my association is to be up-to-date and progressive in every way. I am therefore anxious for ideas and suggestions from all fanciers and breeders.

Poultry Supplies

Everything from Chick Manna and scratch foods to Cyphers Incubators and Brooders. Our free **Illustrated Poultry Supply Book** tells about them and explains how your chickens can make more money for you.

JOHNSON & STOKES Dept X
217-219 Market Street, Philadelphia

GLOBE



Poultry Food

A carefully mixed, balanced ration of grains, cracked and whole, and selected seeds best adapted for vigorous growth of fowls and production of eggs.

SUITABLE AT ALL SEASONS

Clean, Sound, Wholesome

ALSO OFFER

Crescent and Sun Brand Chick Foods

Put up with or without grit.

We offer these goods on their merits.

Samples and prices on application.

THE ALBERT DICKINSON CO.

Seed Merchants

CHICAGO, - - ILLINOIS

EVERY YEAR FOR 14 YEARS

Has our strain been winning for our patrons as well as for us. Competition each year gets stronger, and each year we have more and better birds. We have furnished winners for New York, Boston, Chicago, California, Canada, England, Russia, Brazil, &c, &c, besides winning at the World's Fair and the principal large eastern shows' highest honors, Cups, Gold Specials, Championships, &c.

WE CAN SELL YOU WINNERS IN

Cocks, Hens, Cockerels and Pullets—our six ever popular varieties gives most Pleasure and Profit. White Leghorns, White Wyandottes, White Rocks, Barred Rocks, Black Minorcas, Light Brahmas. Grand Bred Exhibition Males, \$5 to \$25 each; Females \$5 to \$20 each; elegant Breeding Cockerels. (better than many seen in shows) \$3, \$4 and \$5 each. A few hundred Pullets and Breeders for sale. Catalogue free.

ELM POULTRY YARDS, Box 121, HARTFORD, CONN.

Established 1888

\$645 NET PROFIT IN FIVE MONTHS!

Proof that Sure Hatch Incubators are Money Makers

DOES IT PAY? That's what the prospective incubator buyer wants to know. We answer "Yes!"—and we prove it by the actual signed statements of thousands of "Sure Hatch" users. Here is a sample of the letters we receive by the bushel basketful:

Wichita, Kas., March 23, 1905.
Gentlemen: Beg to state, that with the five 150-Egg Sure Hatch Incubators I purchased, I have made seven hatches, hatching 4,200 chicks, doing this within five months, from Jan. 1st to June 1st. Out of the 4,200 chicks, I marketed at 12 weeks old, 3,360 broilers that averaged me 32 cents each, bringing \$1,075.60.

The entire expense of raising, feeding and marketing, aggregated \$430, leaving me a net profit of \$645. This is the only way of profitably raising chickens for the market. I remain,

Yours truly,
E. FULTON WEAVER.

This means that *each one* of Mr. Weaver's five machines produced a net profit in five months of \$129.00!

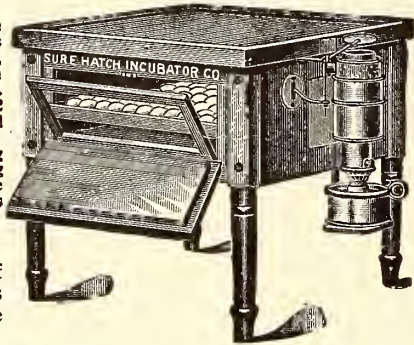
Our 1906 machines are now ready for delivery—the finest line of incubators that have ever been built. The 1905 machine was a splendid hatcher, but the 1906 "Sure Hatch" has so many important improvements that we absolutely guarantee it to out-hatch any other machine on the market. We have tested the 1906 "Sure Hatch" in every possible way, and we find that the percentage of chicks hatched is higher than ever before. 85 per cent hatches and better are the rule. In fact we find that the 1906 machine hatches every fertile egg. We have improved our ventilation system until it is absolutely perfect. The "Sure Hatch" hot water heating system in the 1906 machine has 138 square inches of heating surface—nearly two thirds more than any other machine. Our new safety lamp is all that its name implies. It builds no soot. Can't come apart. A wonderful oil-saver. These are only a few of the many improvements that make the "Sure Hatch" so far superior to ordinary incubators.

Sure Hatch on 60 Days Trial Let us send you our 1906 "Sure Hatch" on two full months' trial, freight prepaid, with the understanding that if not entirely satisfactory and superior to any other incubator on the market, we will take it back and refund your money. Each machine guaranteed for five years. Write at once for special money saving proposition and large catalogue of Incubators, Brooders and Chick Feed. Address nearest office.

SURE HATCH INCUBATOR COMPANY,

Box 66, Clay Center, Neb.

Department 30, Indianapolis, Ind.



What additional classes do you want? Who do you wish to recommend as a judge?

Is it your desire to offer a special prize?

A suggestion or a special will be gratefully received by the superintendent.

Premium lists will be mailed to anyone upon application which may be made at once so that name may be recorded.

Spratt's patent all-wire, disease and vermin-proof cages will be used and their method of feeding carried out.

The space at disposal for displays of incubators, brooders, appliances and supplies of interest to the breeders is very limited and application with deposit for space should be made immediately. Don't forget you are displaying your goods or manufactures to 70,000 visitors. No show offers such an opportunity to advertise and sell. The price is \$2 per front foot.

Full information and particulars may be had by applying to

T. FARRAR RACKMAN,
Superintendent, East Orange, N. J.

SPEARFISH, N. D.

The second annual exhibition of the Black Hills Poultry Association will be held December 21-23, 1905. J. H. Pearson, secretary, Belle Fourche, S. D.

GENEVA, OHIO.

The Geneva Poultry and Pet Stock Association of Geneva, Ohio, will hold a show January 23-27, 1906, inclusive. Phil Feil, of Canal Dover, Ohio, will act as judge. The secretary is W. H. King, to whom all inquiries should be addressed.

A SCIENTIFIC DISCOVERY

DON'T KILL THE LAYING HEN Learn the Secret of Knowing How to Select the Laying Hen From the Non-Laying Hen



This Information Will Enable You:

- 1st. To avoid killing the hen that is laying.
- 2d. To pick out the hen that is not laying.
- 3d. To know about how far advanced the hen is toward the laying point.
- 4th. To avoid wintering hens that are not likely to be good winter layers.
- 5th. To know how to select the hen having strong laying powers, for breeding purposes.
- 6th. To know the hen that has entirely lost her power of egg production.
- 7th. To know how to sort out the hens in summer or fall that have ceased laying for the year.
- 8th. To know the hen that has become weakened in her laying powers.
- 9th. To know how to buy hens in the early winter, that will make good winter layers, and dispose of them at a large profit after receiving their crop of eggs.

Illinois State Fair, Sept. 30 to Oct. 7, 1905

Springfield, Ill., October 3, 1905.
To whom it may concern: This is to certify that T. F. Potter has demonstrated to our entire satisfaction the Potter system of selecting the laying hen from the non-laying hen, and we are convinced that his system is absolutely certain.

A. G. Murray, Springfield, Ill., member Illinois State Legislature and Pres. Illinois State Poultry Association.
D. T. Helmlich, Jacksonville, Ill., has judged all leading shows for the past 15 years.

U. R. Fishel, Hope, Ind., White Ply. Rock Specialist.
J. Brinkama, 113 Adams St., Chicago, Ill., Poultry Judge.
F. H. Shellabarger, West Liberty, Iowa, Poultry Judge.
W. A. Hoyt, Whitewater, Wis., Poultryman.
H. H. Fike, Libertyville, Ill., of C. and F. White Wyandotte breeders.
F. J. Phillips, Chicago, President Chicago P. S. H., Lake-side Bldg. Henry Steinmesch, St. Louis, Mo., General Superintendent of Poultry World's Fair, 1904.
W. C. Pierce, Indianapolis, Ind., Editor Fanciers' Gazette and Poultry Judge.
J. A. Leland, Ex-President Illinois State Poultry Association.

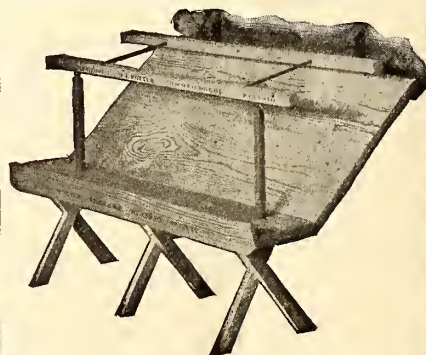
Don't kill a Hen in this Condition

These are only a few of the gentlemen who took my system, and by reading over the names you will find that all these gentlemen are men who stand high among the poultry fraternity. Send for free circular telling all about the Potter system.

POULTRY HOUSE FIXTURES.

The Potter Portable Hennery Outfit and Vermin Exterminator Roost

Within the past few years we have equipped hundreds upon hundreds of poultry houses in every part of the country with our apparatus. Poultrymen of every class use and recommend it, and pronounce our fixtures the most complete, convenient and satisfactory ever put on the market. Do not think of building a new house or retrofitting the old one until you have secured a copy of our large 30-page catalogue.



The above cut shows but one of the three styles which we make. Outfits are made in 50 different sizes to fit any house. Better send for our catalogue and see what we are offering. Inclose one red stamp if you want it.

T. F. POTTER & CO. Box A, Downers Grove, Ill.

THE WIND-UP SHOW.

A Chance To Compare The Winners From Other Exhibitions.

The Fanciers' Association of Indiana will hold its Sixth Annual Exhibition in Tomlinson's Hall, Indianapolis, Ind., February 5th to 10th, 1906. In addition to poultry we will make special classes for dogs, cats, pet stock and pigeons. The entry fee for poultry is \$1 for single entries; \$3 for breeding pens. Single entries cannot compete for breeding pen prizes. The association will pay the following cash prizes: Single entries, first, \$3; second, \$2; third, \$1; fourth, 50 cents. Breeding pens, first, \$4; second, \$2.50; third, \$1.50. In addition to cash prizes we will give an elegant silver cup in all classes where there are ten or more single entries.

Entry fee for dogs, \$2; cats, \$1; pet stock, 50 cents; pigeons, 25 cents. Premiums in this class, first, 40 per cent of entry fee; second, 20 per cent of entry fee. The Empire Couping Company, of Fultonville, New York, will have charge of caging the entire exhibit.

The judges selected are the most prominent men in the ring today; they have had years of experience and have judged the most important classes at the leading shows in America.

Mr. James A. Tucker, Concord, Mich. Light and Dark Brahmas; Buff and Black Wyandottes; all Dorkings; all Cochins and Seabright Bantams.

Mr. Geo. Burgott, Lawtons Sta., N. Y. The entire Mediterranean class as represented in the new illustrated Standard.

Wesley Lanius, Greensburg, Ind. All Game and Game Bantams; Crevecoeurs.

Ben S. Myers, Crawfordsville, Ind. White Langshans; Buff Rocks; American Dominiques; Javas; all Hamburgs; Japanese Bantams; all Water Fowls.

W. C. Pierce, Indianapolis, Ind. White Plymouth Rocks; White Wyandottes; Rhode Island Reds, rose and single combs; Buckeyes; all Turkeys excepting Bronze and Holland.

O. L. McCord, Danville, Ill. All Cochins; Golden and Partridge Wyandottes; Sultans; Black and White Rose Comb Bantams; Booted White Bantams.

S. B. Lane, Spiceland, Ind. Black Langshans; Silver Penciled Wyandottes;

Houdans; all Polish; all Orpingtons; Bronze and White Holland Turkeys.

Theo. Hewes, Indianapolis, Ind. Barred Rocks; Silver Penciled Rocks; Partridge Plymouth Rocks; Silver and Columbian Wyandottes.

C. M. Ryan, Eaton, Ind. Superintend and judge all dogs.

Our cat and pigeon judge has not been selected as yet but will be announced later.

The premium list will be ready for mailing not later than December 1st. For further particulars address E. A. Pierce, secretary, or Theo. Hewes, president, Indianapolis, Indiana.

KANSAS CITY, MO.

The Kansas City Fanciers Association will hold their annual show January 15-20, 1906. Fairchild, Fite and Wale, judges. P. H. De Pree, secretary. 932 Jackson avenue, Kansas City, Mo.

VEVAY, IND.

The Switzerland County Poultry Association will hold its annual show December 14-16, 1905. Wilk H. Works, secretary.

ZION CITY, ILL.

The Zion City Poultry Association will hold an exhibition January 4-6, 1906. Theo. Hewes, judge; C. L. Greer, secretary.

WINNEBAGO, MINN.

The Blue Earth Valley Poultry Association will hold its next exhibit January 16-19, 1906. E. W. Rankin, judge; Jas. E. Humphrey, secretary.

SPRINGFIELD, OHIO.

The Springfield Poultry & Pet Stock Association have secured Ira C. Keller, of Prospect, Ohio, to help in the judging January 22-27, 1906. Henry Traford has already been engaged, and the association aims to get the ribbons up as quickly as possible, and there will be a large number of cash and special premiums. All inquiries should be addressed to J. H. Schaefer, secretary, 35 Gotwald Bldg., Springfield, Ohio.

FROM CHICK TO EG
A most interesting little poultry book that tells the way Uncle Charlie feeds and the kind of feed he uses. Free if you write. ALFALFA MEAL CO., 1632 Farnam St., Omaha, Neb.

Brooks' Sure Cure

FOR
RUPTURE
Brooks' Appliance. New discovery. Wonderful. No obnoxious springs or pads. Automatic Air Cushions. Binds and draws the broken parts together as you would a broken limb. No salves. No lymphol. No lies. Durable, cheap. Pat. Sept. 10, '01.
SENT ON TRIAL.



CATALOGUE FREE.

BROOKS APPLIANCE CO., Box 464 MARSHALL, MICH.

Egg and Feather Food

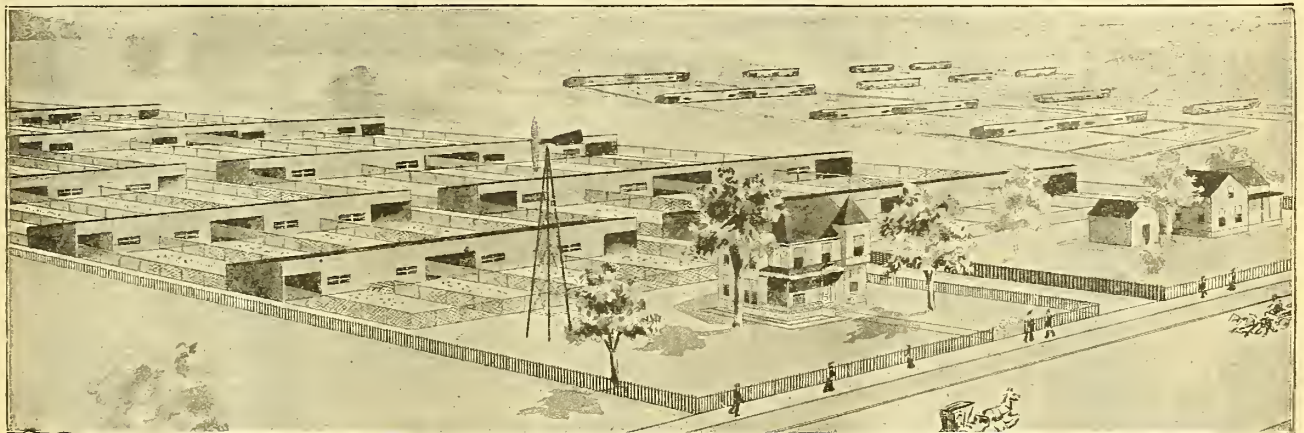
There is one thing about Midland Poultry Foods you find in no other. They are not sold as all around, general purpose foods. Fact is, you don't want that kind. What's good for everything is good for nothing. If you want eggs you want a food that makes eggs—does it naturally, without impairing any of the other delicate organs of the hen. You want eggs of good quality—not weak, watery, infertile eggs. A hen is simply a machine. Supply her with the required materials and she'll lay eggs. The quality and quantity depends on the kinds of materials she is furnished to work with.

NO.
4

Midland Poultry Food

is the greatest egg and feather producing food known. It is positively without a rival. A trial will convince you that egg production can be controlled to a remarkable degree. No. 4 makes eggs, good eggs, plenty of them and does it naturally, not by force; and it goes just one step farther—only one—it fits birds for exhibition safely and quickly, sending them in at standard weight in beautiful feather. Sold by dealers everywhere or sent direct from factory. Write for book "The Science of Poultry Feeding," it tells what Midland Foods are for and how to feed them to make the most money; also ask for book, "Poultry Fattening Perfected," they are free but worth many dollars to poultrymen.

MIDLAND POULTRY FOOD CO.,
Dept. A, Kansas City, Mo., U. S. A.



Crescent Poultry Farm, Frank Foy, Proprietor, Des Moines, Iowa

"Money in Poultry" is the title of our new 84 page thoroughly revised and illustrated book which tells how to make it; also how to feed, breed and grow and market your poultry for best results. Plans for houses; diseases, and cures; how to kill lice and mites. This book probably gives more reliable information about the poultry business drawn from actual experience, than any book of the kind published. It contains many illustrations; tells all about raising poultry for profit; feeding for eggs, broiler raising, artificial incubation and contains many valuable and interesting articles. Illustrates and describes the largest pure-bred poultry farm in the country. It also describes and illustrates 30 leading varieties of pure-bred fowls, and the Frank Foy Incubators and Brooders, and quotes extremely low prices on fowls, eggs, incubators and brooders. Mailed to any address for four cents in stamps. Address

FRANK FOY, : : Box B, : : DES MOINES, IOWA

SHOEMAKER'S BOOK ON POULTRY



and ALMANAC for 1906 contains 224 pages, with many fine colored plates of fowls true to life. It tells all about chickens, their care, diseases and remedies. All about INCUBATORS and how to operate them. All about poultry houses and how to build them. It's really an encyclopedia of chickendom, and no one can afford to be without it. Price only 15c. C. C. SHOEMAKER, Box 473, FREEPORT, ILL.



GREIDER'S FINE CATALOGUE

of Standard bred poultry for 1906, printed in beautiful color, contains fine Chromes, illustrations and describes 60 varieties. Gives reasonable prices for stock and eggs, tells all about poultry, their diseases, lice, etc. This book only 10 cents. B. H. GREIDER, RHEEMS, PA.



Two Eggs in place of ONE

AND right in the WINTER TIME too, when EGGS are 30c to 40c a dozen—But more often it's THREE or FOUR Eggs in place of one, if you use

PURINA POULTRY FEEDS

Because they are prepared according to Nature's Laws, from the HEN'S STAND-POINT, and have been TESTED by feeding until perfect—until you can depend on them for RESULTS from EVERY HEN, EVERY TIME.

Feed of the same chemical analysis as Eggs won't make Eggs. Any more than Ground Leather will grow big crops, though chemically rich in Nitrogen.

No need to make expensive PERSONAL experiments any more—when every egg you should get and don't get is that much money right out of your pocket.

For Purina Feeds have been TESTED FOR YOU—prove our claims at OUR EXPENSE.

If the RESULTS don't come, just tie up the bag and write us, and we'll return every penny of your money, and tell you what to do with the unused feed. You are not out a cent in making the trial, for we will supply you through your dealer or direct FREIGHT PREPAID and the feed used will cost you nothing.

This is the Money Back Line—Ask for particulars about our Free Test Plan. Write today. Purina Mills, B St., St. Louis, Mo.

Pacific Coast orders filled by Acme Mills Co., Portland, Ore. Canadian orders by The Tillson Co., Ltd., Tillsonburg, Ont.



NORTH BALTIMORE, OHIO.

The North Baltimore Poultry Association will hold their annual show February 16-20, 1906. Chas. McClave, judge; G. B. Smith, secretary.

SALT LAKE CITY, UTAH.

The eight annual exhibition of the Utah State Poultry Association will be held January 17-20, 1906. F. H. Shellabarger, judge; Thos. J. Fanning, secretary.

MONTEZUMA, IOWA.

The Paweshiek County Poultry Association will hold their first annual show December 19-22. A. L. Pedrick, judge; E. E. Bond, secretary.

THE 1906 NEBRASKA STATE SHOW.

The Nebraska State Poultry show will be held as usual in Lincoln, Neb., at the University Armory, January 15-20, 1906. Premium lists may be had from Luther P. Ludden, secretary. The past year the fanciers of this state have been working very harmoniously together, and this coming year's show bids fair to eclipse anything that the State Association has ever held. The past seasons many exhibitors from Iowa, Missouri, Nebraska, and Kansas availed themselves of the opportunities this show affords for exhibiting and selling stock in this country. Lincoln is known as one of the best selling shows in the west. The association prides itself on the benefit it is receiving from the state annually, and on the method which is used to satisfy all exhibitors as regards the payment of their premium money before the show is closed. This show has never been held once without paying all its premiums before the birds were taken from the exhibition hall. Fanciers living in southeastern Iowa, northern and eastern Kansas, South Dakota, Colorado, Missouri, and Nebraska can avail themselves of a lot of free publicity if they will only show their birds at Lincoln. Our premiums are very liberal and the superintendent, Mr. E. E. Day is known as one of the best in the west. He has successfully handled more than one big show. Last year he handled the Nebraska state show for us and we were so well pleased with him

that we appointed him superintendent again this year. He takes extra good care of the birds and sees that they are quickly and properly returned when the show is out. He gives them every advantage as regards position and location in the show room when they arrive, and in this way tries to give every exhibitor a square deal. He is ably assisted by a half dozen care takers who clean out the coops and feed and water regularly. Why not send your birds to Lincoln? Do not fail to remember our dates and be sure to get the premium list from the secretary.

A. D. BURHANS,
Superintendent Press.

IOWA FALLS, IOWA.

At Iowa Falls, Iowa, December 18-22, the Northwestern Fanciers' Association will hold its first annual show. A. B. Shaner has been engaged and all may expect fair treatment. A large exhibit is expected, as the management has secured a liberal donation of specials, besides the cash prizes offered. Send your name to Geo. A. Adams, secretary, for premium list.

BUTLER, PA.

The Butler County Poultry and Pet Stock Association will hold its second annual exhibition January 24-27, 1906. H. B. Arble, secretary, Butler, Pa.

MONETT, MO.

The Peirce City and Monett Poultry Association will hold an exhibition November 27, 1905. Thos. Carlin, secretary, Peirce City, Mo.

PRINCETON, ILL.

The fanciers of Princeton, Ill., have organized a poultry association called the Bureau County Poultry Association, and their first annual show will be held at Princeton, Ill., December 13-16, with F. H. Shellabarger and J. M. Rapp, judges. The secretary is Frank R. Bryant. A few years ago, poultry shows were held in Princeton and were widely and favorably known. They hope in the future to gain the same prestige. As this is a new organization and late in getting started, we trust that exhibitors will pay especial attention to this and give it the best of their patronage.

MORE EGGS

TRY THIS BONE CUTTER

LESS FEED

What's the use of keeping poultry and only making half as much from it as you ought? Increase your egg yield—cut down your feed bills—double your poultry profits. There's just one way to do it. Feed the food that makes eggs. Your hens need animal food—fresh cut green bone supplies it in the best form. Get this open hopper

HUMPHREY Green Bone and Vegetable Cutter

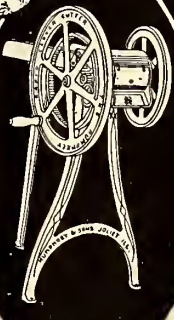
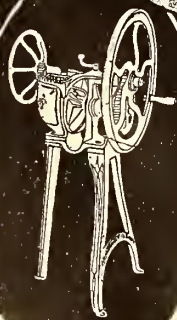
You want a bone cutter because it will double your profits. You want the Humphrey because it turns more easily, cuts more rapidly, and makes better feed than any other. It's so very simple—only three working parts—that there is no waste friction and no trouble to clean. Open hopper—always ready when you are. Turns with one hand. No springs to get out of order. No screws or split nuts to wear out. We'll give you a

FREE TRIAL IF YOU WANT IT.

HUMPHREY RAPID CLOVER CUTTER

cuts alfalfa and clover for poultry into one-eighth inch lengths. No long pieces. Cuts more rapidly and shorter than any other. Double edged knives. You ought to have one. Send to-day for free book of Poultry Helps. You will be interested and it will help you make money. Address

HUMPHREY, White St. Factory, JOLIET, ILL.



THE BIG SHOW AT ADRIAN, MICH.

The Lenawee County Poultry, Pigeon and Pet Stock Association will be one of the best points for breeders to make in their list of shows. Commencing the first week in January, just when the May hatched are showing up best, with judges, who will pass out the ribbons to the best birds, regardless of who is the owner. Valuable premiums will be given, including a silver water pitcher and goblet, nine silver cups, 125 specials from \$1.00 up to \$20.00, and several hundred cash prizes, to say nothing of several hundred other prizes offered to competitors. The show room will accommodate 1,200 birds, with separate room for dogs, cats, etc.

This association has 130 members, who are working hard to make it the best and largest show to be held in Michigan. Premiums will be paid when ribbons are up. They want exhibitors to attend, and in Adrian, they will find prizes and ribbons all right.

The 60-page premium list is now ready and can be secured by addressing J. E. Holyoke, Secretary, Adrian, Mich.

CLEVELAND, OHIO, JANUARY 29-FEBRUARY 3.

The Cleveland, Ohio, show, January 29-February 3, under the management of the Cleveland Fanciers' Club, Incorporated, Fred E. Pile, president, and F. L. Gruehl, secretary, will beyond all question of doubt attract a very large number of the most prominent exhibiting fanciers in America. The show is being built on modern, down-to-date lines. The cooping will be something new and attractive. The prizes, both

regular and special, are very liberal. The management has the confidence of the entire fraternity. A large number of specialty clubs have offered very liberal inducements to their members to exhibit at this show, and the management has very generously met all these offerings with like offerings. No fancier can afford not to show at Cleveland. The judges engaged are Hewes, Rigg, Orr, Sites, McClave and Donkin.

CINCINNATI, JANUARY 16-19.

Cincinnati, Ohio, January 16-19, the American Poultry Association show, as it is now referred to in some quarters, promises to meet every pledge made by Secretary Foy and his associates when they were making the campaign for the annual meeting of the American Poultry Association. The tide is running toward Cincinnati. There is to be something doing at this meeting, and it is safe to say that it will be very largely attended by fanciers from every part of the country. The show management proposes to meet the demand that they put up as good a show as will be held in America this winter. They are going to do it, so they say. Messrs. Orr, Rigg, Hewes and Shepard will place the awards.

BRADFORD, PA.

The McKean County Poultry, Pet Stock and Horticultural Association will hold its next annual exhibition Jan. 29th, 1906. Keller will judge the poultry. Premium list and any other information will be gladly furnished by the corresponding secretary, E. L. Jones, Bradford, Pa.

**ROSE COMB
BUFF LEGHORNS**

D. N. Klopfenstein, - Grabill, Ind.

SCHUMACKER'S AMERICAN STRAIN**Barred Rocks
and Golden Wyandottes**

We have 250 birds, the best we ever raised. Will be ready for early shows. Our strains of these two varieties come from the strongest blood lines on earth. Stock for sale at all times. Write for prices. Satisfaction guaranteed.

Du Page Poultry Yards Schumacker Bros., R. 1, Plainfield, Ill.

**GRITLESS
POULTRY FEED**

Star Beef Scraps.....	per 100 lbs.	\$2.00
Double Star Beef Scraps.....	per 100 lbs.	1.75
Colorado Alfalfa Meal (the best).....	per 100 lbs.	1.15
Premium Scratching Feed.....	per 100 lbs.	1.25
Premium Hen Feed (no grit).....	per 100 lbs.	1.25
Premium Laying Feed.....	per 100 lbs.	1.25
Premium Chick Feed.....	per 100 lbs.	1.35
Premium Forcing Mash Feed.....	per 100 lbs.	1.25
Premium Pigeon Feed.....	per 100 lbs.	1.50
Premium Alfalfa Mash.....	per 100 lbs.	1.25
Premium Molting Feed.....	per 100 lbs.	1.25
Premium Plain Mash.....	per 100 lbs.	1.25
Premium Beef Mash.....	per 100 lbs.	1.50
Premium Morning Mash.....	per 100 lbs.	1.25
Premium Canadian Peas.....	per Bushel	1.50
Premium Sun Flower seed.....	per 100 lbs.	3.50
Premium Granulated Charcoal.....	per 100 lbs.	1.50
Premium Granulated Bone.....	per 100 lbs.	1.65
Premium Cracked Corn.....	per 100 lbs.	1.25
Premium White Kaffir Corn.....	per 100 lbs.	1.15
Premium Millet Seed.....	per 100 lbs.	1.35
Premium Chicken Wheat.....	per bushel	.85

Send for samples of Beef Scraps, and anything else that you need.

W. F. CHAMBERLAIN

314-316 N. COMMERCIAL ST.
CASH WITH ORDER ST. LOUIS, MO.

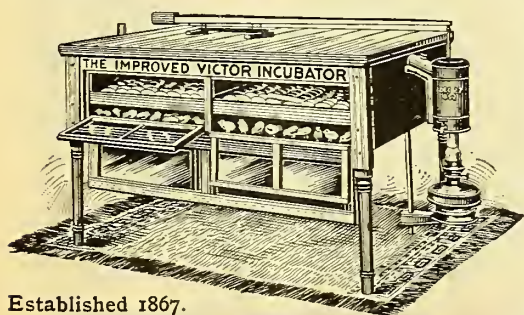
The Difference in Profit

from a single hatch may pay the difference in cost

between an incubator of Victor quality and one of the cheap kind. Don't be fooled. There is a great difference in results. Let us send you "The Victor Book," which tells why Ertel machines make more money for their owners.

It is a question of profits with you. You owe it to your own pocket to find out what our machines can do for you, before you purchase elsewhere.

Our Victor Book begins at the beginning and tells all the facts about lumber, about copper tanks, lamps, burners, regulators, thermometers, and all the points which the man or woman who runs the machine wants to know. We tell you how we build an incubator. What you would see if you came to Quincy and spent a day in our factory. We are careful to tell the exact facts, because, with every machine we sell, we send a Bond under the seal of our Company, agreeing to take it back and refund your money if it is not in every way as we said it would be. We have built up an enormous trade by honest and fair dealing. We can't afford to make a single statement that is not so. Ask anybody in Quincy who knows us or anyone anywhere who has ever had dealings with us whether it is safe to do business with us.



Established 1867.

The New Victor Book for 1906 is now ready and will be sent absolutely free. Better use this coupon today.

GEO. ERTEL CO.
Quincy, Ill.

39 years in the business.

CUT OUT THIS SLIP AND MAIL IT TODAY BEFORE YOU FORGET**GEO. ERTEL CO., Quincy, Ill.**

Please send me the new Victor Book for 1906 FREE.

I saw your ad in American Poultry Journal.

Name

Postoffice

Route No. State

BALANCED RATIONS

FOR FOWLS

Did you ever stop to think what a lack of system there is in feeding fowls? What hit or miss? And yet what wonderful results have been accomplished in spite of all this. What might results be if scientific feeding was the rule instead of the exception? It's a well-known fact that no one food will answer for all purposes. The same food you feed old hens will not do for young chicks; food that makes eggs won't fatten broilers profitably.

Midland Poultry Foods

10 of them—balanced rations—every one for a specific purpose, make it possible for every poultry raiser to feed scientifically, and make more money.

Ever figure on what it means to know before hand what a certain food will do? There are many advantages in having foods for specific purposes. For instance, you feed No. 4 MIDLAND POULTRY FOOD—you get eggs, lots of them. If you don't get eggs you get nothing and the food's a failure. But suppose you fed some so-called poultry food, said to make eggs, and do all sorts of things for fowls, and you didn't get eggs, you might keep on feeding it for the other things it was GOING TO DO and waste your money and time.

We say what every one of our 10 Foods will do, and we stake our reputation on the food for that certain and single purpose—not much chance for us to do business if we fail to make good, we cannot dodge behind the other good things they may do. You do not need all ten of them. You do need some of them. Our book, "THE SCIENCE OF FEEDING," FREE will tell you which you need and how to feed, and our book, "POULTRY FATTENING PERFECTED," will show you how to make a lot of money. Write today for one or both books. MIDLAND FOODS are sold by dealers everywhere, or we will send them direct from factory.

Midland Poultry Food Co., Dept. A, Kansas City, Mo., U.S.A.



ELWOOD, IND.

The third annual show of the Elwood Poultry and Pet Stock Association will be held at Elwood, Ind., Dec. 18th to 25th, 1905. Prospects for a great show are better than ever before, and we already feel confident of great success.

S. B. Lane, of Spiceland, Ind., has been secured to judge the show this season, and this alone guarantees every exhibitor entire satisfaction.

Exhibitors will be treated with every courtesy, and their birds will receive the best of care and treatment.

Our premiums are as good as the best, and we offer a beautiful silver cup in addition to a large list of other special premiums. All premiums guaranteed and will be paid on the last day of the show.

Get in line and send some birds to Elwood, as this will be headquarters, Dec. 18th to 25th, 1905.

Premium list or other information may be had by addressing the secretary.

S. W. SWIHART, Secretary.

IOWA'S LEADING WINTER SHOW.

Webster City, Iowa, will hold the largest and best mid-winter show in the state. We have not been making much fuss about it, but every member has been doing the most that he could to make this Iowa's banner show, and we are now prepared to do it. This is the only show in the state that is different; we employ the very best judges that can be secured—the Hon. Sharpe Butterfield, of Canada, will do the scoring this time—January 1-7, 1906.

Our cash prizes are worth going after this year, and the association will pay all awards in full the last day of the show. Please drop a card to the secretary asking for catalogue, as our mailing list has been revised and you may not get one if you don't ask. This is an exceptionally strong outside show, and all exhibitors are cordially invited to be with us. Start the New Year right by

The Premier Portable Poultry Houses

FOR PRACTICAL POULTRYMEN

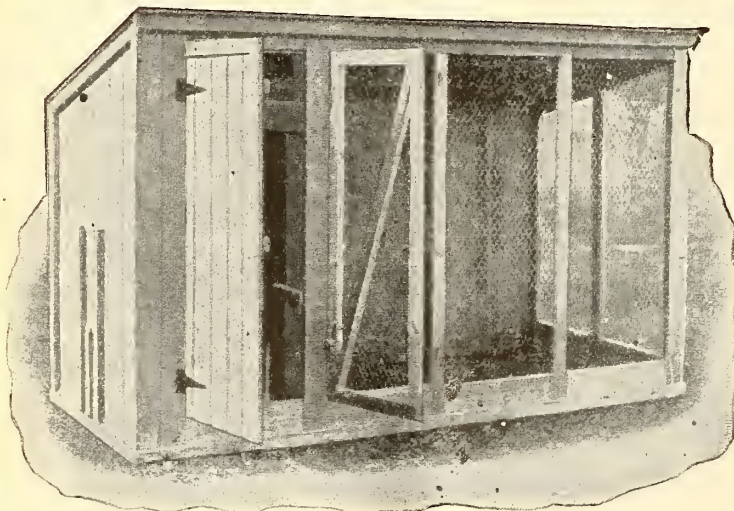
There is no system equal to the Colony House plan for raising healthy, hardy birds, and there is no better Colony House than the

PREMIER PORTABLE

The illustration shows a No. 4 with curtain front and end; fitted complete. Size 10 ft. long, 5 ft. wide, 6 ft. high. Soundly built of best material.

Price, \$12.60, Freight Paid

Other houses from \$5. Send for list, also "Pithy Pointers For Practical Poultrymen."



C. H. MANLEY, Dept. 1

Premier Mfg. Works, St. Johns, Mich.

winning a prize in the hottest competition in the state. Don't forget, Webster city, Iowa, the first week, in January, 1906. Catalogues ready now.

FRED HAHNE,
Secretary.

Webster City, Iowa.

FAYETTE, MO.

The fourteenth annual exhibition of the Missouri State Poultry Association, to be held in Kirksville, Mo., Dec. 12 to 16, 1905, promises to be the best in the history of the organization. Gov. Folk has offered a magnificent silver loving cup to be competed for by Missouri breeders; the White Wyandotte Club will offer a silver cup; also their usual ribbons; the Ivory Soap people will offer another of their handsome silver cups for the whitest bird washed with their soap; the S. C. Buff Leghorn Club offer handsome ribbons, as does also the Blue Andalusian Club; it is expected that the Buff Rock State Cup will also be competed for at this show. Liberal premiums are offered on all varieties, and with such judges as Hewes, Rhodes and Emry, the entries should be full in all classes. Send for premium list to the secretary, H. P. Mason, Fayette, Mo.

WINFIELD, IOWA.

The Winfield Poultry and Pet Stock Association will hold its fourth annual exhibition Dec. 27th to 30th, 1905. The preceding exhibitions have been more successful than its most enthusiastic members dreamed of. And this year, besides our regular cash premiums, and the large governor's silver cup, special cash prizes for highest scoring pen and highest scoring 10 in the different varieties, and other specials. A large coru carnival in connection, will make it one of the largest shows in southeast Iowa this season. And will be a good place for breeders to come to sell and advertise. Premium lists are now ready. Send for one. A. B. Shaner, judge. Russell Canby, secretary.

THE TENTH ANNUAL CHICAGO SHOW.

It is the determination of the management of the National Fanciers' and Breeders' Association to make their exhibition, to be held the week of Jan. 22nd to 27th, both inclusive, 1906, the greatest and grandest of the series of successful Chicago shows. The most prominent of the breeders and fanciers of poultry, pigeons, cats and pet stock of all kinds have already signified their intention of being in attendance, with an entry of their finest specimens. The best incubators and brooders of the country will be shown in operation. Foods and supplies and appliances pertaining to the great industry, which this enterprise represents, will compete for the favorable attention of the crowds which will throng the vast hall.

Premium lists with classifications, rules, list of judges and apportionment of same, and all necessary information to exhibitors and patrons, will be issued about Dec. 15, 1905, while the mailing list includes 20,000 names, and it is the purpose to send to all interested, yet some may by mistake be missed.

All such and those deserving specific information should write to Fred L. Kimmey, Secretary, Room 500, No. 325 Dearborn St., Chicago, Ill.

Bateman's Black Langshans

Won at World's Fair, 2, 4 cock; 7 hen; 2 chl.; 6 pullet; 2 pen. Won more Illinois special prize money than all other exhibitors combined. Won 1, 3 cock, 4 hen, 2 cockerel, 1 pullet, 1 pen in the state. Have won largely at Chicago repeatedly. At December 1904 show, won 1, 4, 5 cocks; 1, 2 hens; 1, 2, 3, 4 cockerels; 1, 2, 4 pullets; 1, 2 pens; Silver Cup for best display. Exhibition or breeding stock for sale.

JESSE T. BATEMAN,

WAVERLY, ILL.

White Wyandottes and Pekin Ducks

Winners in the greatest competition in the world. A few choice cockerels and young Pekin Drakes for sale.

THEO. AMBROSIOUS
Collinsville, Illinois

HAHNE'S PRIZE WINNING LIGHT BRAHMAS

A Grand Opportunity—We have about 500 fine home grown, farm raised Light Brahmas that we are going to dispose of during the next thirty days, and to do this we will make the price right if you will only tell us what you are needing. If we have not got what you want we do not want to sell you and will notify you promptly that we can not fill the order. Our birds have appeared in the show room during the past seven years and have always taken the big end of the good premiums, no matter how hot the competition. Illustrated catalogue free. Do you appreciate farm grown stock? Be prompt if you want some of them.

FRED HAHNE, 517 Webster Street, WEBSTER CITY, IOWA

WHITE WYANDOTTES

The Blue Ribbon Winners

EGGS From best pens \$3 per setting
From all other pens \$2 per

A few choice specimens for sale. Nothing but good birds sent out. I satisfy my customers or return money. Book your order for eggs now and insure prompt delivery.

MRS. T. F. LEONARD, BOX 60, MT. STERLING, OHIO

BIG PRIZES

BOYS AND GIRLS

Make Your Hens Bring You Dollars

Here is a golden opportunity for boys and girls under 17 years of age to earn big prizes and to gain a great deal of valuable experience which will help them all their lives. We want to establish a lot of records showing the very greatest possible ratio of increase in egg production by feeding hens "International Poultry Food." We want boys and girls everywhere to learn how to feed it and make their hens bring them more money. We are going to pay them well for helping us—so we are offering a

\$ 5 cash prize for the 5 hens laying the most eggs in 90 days
\$10 " " " " 10 " " " " " " " " " " " "
\$20 " " " " 20 " " " " " " " " " " " "

and ask the boys and girls to enter this contest and work to win one of these prizes. It won't cost a cent entry fee and the reward will be good pay for all the trouble. Tell your father and mother that they are invited to enter for the prizes offered to adults in this great

INTERNATIONAL Egg-Laying Contest

the object of which is to demonstrate that it is a money-making proposition to feed "International Poultry Food" and increase the quantity of eggs from each hen fed. One extra egg a month from each hen more than pays the cost of feeding this food—all the rest of the increase is clear profit, and there will be lots of extra eggs. How many is just what we propose to find out by this contest. Let every boy and girl who own five or more hens make application at once and start in to win one of these cash prizes. We'll give you all information and send record blanks and book, "Money in Poultry," etc., free. "International Poultry Food" largely increases the production of eggs. Made of powdered roots, herbs and seeds and is a conditioner of great medicinal value. It stimulates the appetite and keeps chickens healthy.

732 Eggs from 12 Hens in 61 Days

Adams, Penn.
Personally appeared before me, Miss Maggie Milliron, who, being duly sworn, states that she has 12 Hamburg hens and has received and sold 732 eggs from them during April and May by using "International Poultry Food."
[Signed] MAGGIE MILLIRON.
Before JOHN ADAMS, J. P.

Our broad \$1000 cash guarantee is printed on every package. Beware of cheap imitations and always insist on "International." Over 100,000 dealers sell it. If your dealer will not supply you write direct to us. Write today, mention this paper and we will also send free a beautiful picture in 6 colors of Fisher's \$500 Rooster. Address **POULTRY DEPT.,**

INTERNATIONAL STOCK FOOD CO.
MINNEAPOLIS, MINN., U.S.A., ALSO TORONTO, CAN.

"INTERNATIONAL LOUSE KILLER" IS A PURE WHITE POWDER - 25¢ PER BX.

ANGOLA, IND.

The Tri-State Poultry and Pet Stock Association will hold its fifth annual show in Angola, Ind., January 24 to 27, 1906. Judge S. B. Laue, who gave such excellent satisfaction last year, will officiate again this year. The association has already held four successful shows, and present indications point to a larger and better show than ever before. A large, well lighted room, courteous treatment to exhibitors, liberal cash premiums in all classes and sweepstakes are popular features of our show. Catalogues will be out early in December, and W. K. Sheffer, secretary, will be pleased to mail all interested a copy.

BRADFORD, PA.

The McKean County Poultry, Pet Stock and Horticultural Association will hold its next annual exhibition the week commencing Jan. 29, 1906. Ira C. Keller will do the judging. Premium list and any other information will be gladly furnished by the corresponding secretary, E. L. Jones, Bradford, Pa.

\$125.00 IN GOLD

Will be given as special premiums by the Northwestern Ohio Poultry and Pet Stock Association, January 10 to 13, 1906. This in addition to their regular cash premiums, the best lighted show room in the state and Chas. McClave to place the awards should bring together one of the best exhibits ever shown in the state. This association is composed of up-to-date fanciers, and with their

push, energy and good fellowship are bound to be among the leaders. They have the money in hand, and guarantee to pay all premiums in full. Send to V. Crabtree, secretary, Tiffin, Ohio, for premium list.

SCRANTON, PA.

Scranton, Pa., will hold a poultry show Jan. 15-20, 1906, at which J. H. Drevenstedt and others will judge. The entries will be limited to 1,000 birds, and will be cooped, fed and handled by Spratt's patent. The show will be up-to-date in every way, with a big list of cash specials; \$100 cup for best bird to be won three times, \$1.50 and 75-cent cash prizes, besides five beautiful and original ribbons. The hall is well lighted and on the principal avenue of this city of 120,000 people and will be of great advertising value to the exhibitors.

BUFF COCHINS AT CHICAGO SHOW.

Having learned from one of the exhibitors of Cochins at last winter's Chicago Show and a member of the American Buff Cochin Club, that buff cochins occupied a very poor position in the hall, in fact, were "relegated to benches under the gallery," I took the liberty of writing to Mr. Kimmy, the Secretary, and asking him to let me know if Buff Cochin exhibitors might expect better treatment this year. In his courteous reply he states, "I will see to it they are not neglected

this time. You may assure prospective Buff Cochin exhibitors that they will be fairly treated."

The buff cochin is undoubtedly the most handsome and attractive show fowl in existence to-day. A fine exhibit in the center of the hall, in the most prominent location would delight and attract thousands of visitors that would pass heedlessly by other varieties. With a view of securing the largest and most representative exhibit of buff cochins ever seen in Chicago or in America, I will offer a handsome silver cup to the member of the American Buff Cochin Club making the largest and best exhibit. The cup offered last year for best cock, hen, cockerel, pullet and breeding pen must be won three times before becoming the property of the winner. This will be up again for competition. It is expected that the club will offer several cash specials. Now for a rally of Buff Cochins, and more particularly of buff cochin breeders. Such a great gathering is absolutely necessary for careful and exhaustive discussion of the "ideal Cochin", and the most thorough handling of any or every buff cochin on exhibition in the presence of the club and our most experienced judges.

One exhibitor of last year has written me to the effect, "I have read your article on the 'ideal cochin' and quite endorse your remarks as to the desirability of the judges and breeders of Cochins getting together."

HOLMHURST POULTRY YARDS.

Whitby, Ont., Can.

LABORATORY SPECIALTIES

For The Poultry Raiser.

A Few Things Needed Right Now.

Cyphers Poultry Remedies are prescriptions of a leading Doctor of Medicine that have received the test of years of successful use. Like all other Cyphers Company products they are prepared with the knowledge that the **best ingredients give the best results**, and this is more particularly the case with Laboratory Products. There is danger in cheap, carelessly compounded preparations.

Let us impress upon you that back of these goods stands the good name of the Cyphers Company, the experience of an unequalled staff of workers, and several years testimony of thankful customers who think that the **best is none too good for their poultry**.

At this season many poultrymen ask: How can I bring my fowls through the winter in a healthful, thrifty, profitable condition? How can I keep them free from disease? How can I increase the egg production? How maintain their vigor and vitality?

Cyphers Laboratory Specialties

cover the case completely. The best way to tell about these things is to give you a list of our

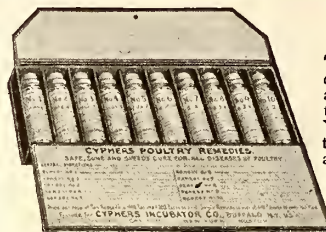
Full Nest Egg Food	Roup Cure
Fumigating Candles	Lice Paint
Save-All Egg Preservative	Anti-Fly Pest
Nodi Charcoal	Lice Powder
Ovinaphthol Lice Killing Nest Egg	
Napreol Disease Remedy and Disinfectant	
Poultry Medicine Case containing Ten	

Standard Remedies in vials sold in the case or separately, each vial containing specific remedies respectively for **catarrhal colds, bronchitis, croup, snuffles, rattling in throat, watery discharge from eyes and nostrils, eye swelling, roup, chicken pox, bumble foot, diarrhoea, cholera, canker, vent gleet, indigestion, liver disease, sour crop, constipation, limber-neck, egg bound, rheumatism, cramps, worms**

Send for our Poultry Supply Catalog. It is free and contains full description of all these goods.

Address nearest office.

Cyphers Incubator Company,
Factory and Home Offices, Buffalo, N. Y.



Cyphers Poultry Medicine Case.

Guaranteed Efficacious.

Ten standard poultry remedies in strong, light-tight case. Recommended by the highest medical authorities and used by the regular profession. Remedies are in tablet form and are given the fowls in drinking water. You may avoid a severe and costly scourge by having them on hand. Full directions on each bottle. Guaranteed perfectly safe. Will cure all the common ailments of poultry such as bronchitis, croup, roup, diarrhoea, canker, rheumatism, chicken-pox, etc. Complete set of ten remedies, in a neat cloth-covered case, sent postpaid to any address, \$3.00.

Cyphers Roup Cure.

Cure Guaranteed.

The one certain remedy for roup in all forms. Prevents and cures common colds, discharge from nostrils, "swelled head," canker, etc., **in all poultry**. Is used by dissolving in fowls' drinking water: they take their own medicine. 50c package makes twenty-five gallons of medicine. Price: small package 50c. large package \$1.00. We pay postage.



Full Nest Egg Food. 60 Feeds for 1 Cent.

The success of this tonic and conditioner has been remarkable. It increases egg production, promotes health, insures vigor in fowls and fertility of eggs. In addition to medicinal seeds, vegetable extracts and mineral salts, it contains in a highly concentrated form, the necessary animal food for egg production. Takes the place of bugs, worms and insects in the fowl's diet and the scraps and pepper "mother used to use." It builds up the fowl's system, improves the plumage and increases your profit. Price, 42 ounce carton, 25c; 25 pound pail, \$2.00.

Trade Napreol Mark.

A concentrated preventive of Disease.

A non-poisonous fluid, highly concentrated that kills germs, destroys odors and prevents disease. One gallon of Napreol makes 100 gallons of disinfectant—invaluable for use in poultry houses, stable, dog-kennels, toilets, sinks, cess-pools, etc. Guaranteed a positive cure for scaly legs, etc. Price: ½ gallon can, 85c. Gallon cans, \$1.50.

Sold by 2500 Local Dealers. Ask for it.



Branch Stores and Warehouses: 23 Barclay St., New York; 26-30 Union St., Boston; 310 6th Ave., Chicago; 329 Sansome St., San Francisco; 2325 Broadway, Kansas City; 119-125 Finsbury Pavement, London, E. C. England.

ELWOOD POULTRY ASSOCIATION.

The Elwood (Ind.) Poultry Association is growing and it is getting ready for a big show December 18-25, 1905. This will be the third show, and they are making preparations for the largest ever held. The outlook is they will by far have more entries than at any previous time. They have a good hall and a good list of specials. The premium list is now ready and can be obtained by addressing the secretary, S. W. Swihart, who will give any information desired. He is hustling for business and he has a good board to back him. They have selected S. B. Lane to place the awards, which will assure the exhibitors of fair treatment and honest awards, and would advise all that can to send their entries to the Elwood show. You will have fair and honorable treatment and be glad you attended.

S. B. JOHNSTON.

MINNESOTA STATE POULTRY ASSOCIATION.

Geo. A. Loth, Secretary, box 47. For twenty years this association has increased its educational features, until today it is one of the foremost in the world. We own the finest and most complete single cooping system in America, and pay larger cash premiums in proportion to the entry fee of any association; we have 20 silver cups to be competed for, and no association is more particular in the selection of its judges than ours.

This year we will have on poultry, Sharp Butterfield, London, Ont.; Geo. D. Holden, Owatonna, Minn.; Theo.

Hewes, Indianapolis, Ind.; D. E. Hale, Merriam Park, Minn.; Fred May on pigeons; Mrs. C. H. Davis, Chicago, on cats and pet stock, and Mrs. F. Rollo Woodruff will judge the dogs.

The business interests of the city of Minneapolis, recognizing the beneficial results accruing to the poultry industry of our state, through the educational features of our show each year, have contributed enough money, which is now on hand, to assure every cash obligation before the close of the show.

In point of show room attractiveness and as entertainers, we certainly have demonstrated our superiority over all other shows to the visiting breeders and fanciers.

We are preparing for greater things than ever, and extend a cordial invitation to all to come and win our premiums, and see America's greatest show. Premium list Dec. 1st. Entries close Jan. 15th, 1906.

GEO. A. LOTH,
Secretary.

THE AMERICAN PLYMOUTH ROCK CLUB 15TH ANNUAL MEETING AND 1905 CATALOGUE.

The fifteenth annual meeting of the American Plymouth Rock Club will be held January 3, 1906, at Madison Square Garden, New York. This will be an event extraordinary. Besides the National Club Cup, there will be thirty-eight cash specials amounting to \$450 awarded to members only.

The 1905 catalogue is out and is mailed free for 4 cents in stamps to pay postage. This is without doubt the handsomest and most valuable poultry

book ever issued. It contains the latest portraits of several well known breeders and two dozen up-to-date articles by acknowledged authorities.

The club with its 1200 members is booming things in the Barred Rock line and every breeder should own membership in the World's Largest Poultry Specialty Club. The membership fee is \$1. Write me to-day. Please have your name enrolled now and be elected at the New York meeting. H. P. SCHWAB,

Secretary, Rochester, N. Y.

P. S.—Another great boom on at Chicago. Lots of cash specials. Write Dr. Bennett, Mazon, Ill., secretary of the club special committee for particulars and to F. L. Kimmey, Chicago, Ill., for premium list with specials. H. P. S.

AMERICAN BUFF COCHIN CLUB MEETING AT CHICAGO.

The American Buff Cochin Club will hold its annual meeting at Chicago in connection with the poultry show of the National Fanciers' and Breeders' Association in the 7th Regiment Armory. The meeting will be held Wednesday afternoon at 2 o'clock, at a place to be agreed upon at the time of meeting. Buff Cochin breeders, whether members of the club or not, should make an effort to be present. The display of Buff Cochins at this show will doubtless be very fine. The president of the club, Dr. J. J. Hare, Whirby, Ont., offers a handsome silver cup for best and largest display of Buff Cochins made by a member of the club at this show. It will be remembered also that Dr. Hare offered last year a splendid cup for best cock, hen, cockerel and hen shown at

NEW ILLUSTRATED STANDARD

HOW TO GET IT

The Price of Standard is \$1.50

This price is established by American Poultry Association, and is the same no matter where purchased,

But the Special Offers below of American Poultry Journal help you to get the Standard cheaper

Send us

\$1 and one new subscriber at 50c. \$1.50 in all. 75c. and 2 new subscribers at 50c. each, \$1.75 in all. 50c. and 3 new subscribers at 50c. each, \$2 in all. Send us six new subscribers at 50c. each, \$3 in all.

This last offer enables you to get your Standard **FREE.**

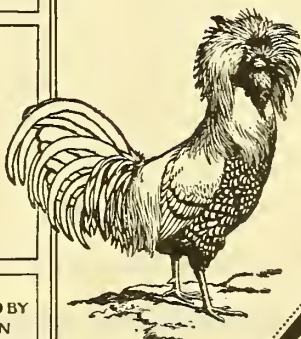
THE STANDARD IS A NECESSITY to every poultryman. It is the authority which judges go by at the poultry shows. It describes every standard variety, giving the correct shape, size, color, etc., that a perfect bird should be. With a copy of this book you can judge your own fowls. It enables you to know your best birds, which to take to shows, which to mate for best results. The book contains over 300 pages with nearly 100 illustrations. The price of it made by the American Poultry Association is \$1.50. Address

American Poultry Journal Pub. Co.
325 Dearborn St., Chicago, Ill.

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REVISED AND ILLUSTRATED

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CHICAGO, ILL.

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Address all letters to American Poultry Journal Pub. Co.
325 Dearborn St., Chicago, Ill.
Place name of subscribers on separate paper.

Big Money in Prize Poultry, Pigeons, Dogs, Rabbits



OUR BIG CATALOG explains it all, tells how to build, feed, care and raise Stock successfully. Illustrates and describes 60 breeds. Quotes Choice Stock and Eggs at low prices.

Send today. You can't afford to be without it. Only 10c.



O. D. BRINSER, Middletown, Pa.

HENS TIRED?

Don't use the axe yet. They need EGGE—the LUCKY BRAND EGG BUILDER. Put EGGE with their feed daily. Watch 'em. Watch the laying nests. See the eggs grow in numbers. You'll be surprised.



Some of the hens you said were "no good" will lay twenty-two eggs a month. Why? Because EGGE is just fitted for hens. Makes their food digest better. They'll be lively, bright-eyed, more vigorous. Their flesh is delicious—their eggs good size. They're money-makers for you and the cost

but a small fraction of the profit. Your dealer sells EGGE. Our free, illustrated book tells how cheap you can feed EGGE. Write for it, tell us your hen troubles, and enclose 2 red stamps for generous sample. Prices: 25c, 50c, \$1, \$3.50 a can.

American Stock Remedy Co., Box 100, Quincy, Ill.

Chicago, this prize to be won three times before becoming absolutely the property of the winner. The cup is now in possession of Mr. T. A. Hefner, Cedar Rapids, Iowa. The American Buff Cochinchin Club offers \$5.00 in gold for best male, and \$5.00 in gold for best female shown at the club show. All prizes are to be competed for by members of the club only. Every lover of the Buff Cochinchin, the greatest of all show fowls, should join the American Buff Cochinchin Club. Send your name with \$1.00 for membership fee to Mr. Lee Potts, treasurer, Thornton, Ind.

E. W. RANKIN, Secretary.

St. Paul, Minn.

AMERICAN LEGHORN CLUB SPECIALS.

The American Leghorn Club offers to its members in cash \$150.00 to be won at the New York show, held at Madison Square Garden (H. V. Crawford, secretary) the first week in January, 1906, and to be offered on the following classes:

Ten dollars to the member winning the most points on any one variety, \$5.00 to the second, \$3.00 to the third. To compete in this class, member must have cock, hen, cockerel, pullet and pen; \$3.00 for best, \$2.00 for second best cock, S. C. White Leghorn; \$3.00 for best, \$2.00 for second best hen, S. C. White Leghorn; \$3.00 for best, \$2.00 for second best cockerel, S. C. White Leghorn; \$3.00 for best, \$2.00 for second best pullet, S. C. White Leghorn; \$3.00 for best, \$2.00 for second best cock, R. C. White Leghorn; \$3.00 for best, \$2.00 for second best hen, R. C. White Leghorn; \$3.00 for best, \$2.00 for second best cockerel, R. C. White Leghorn; \$3.00 for best, \$2.00 for second best pullet, R. C. White Leghorn; \$3.00 for best, \$2.00 for second best cock, S. C. Brown Leghorn; \$3.00 for best, \$2.00 for second best hen, S. C. Brown Leghorn; \$3.00 for best, \$2.00 for second best cockerel, S. C. Brown Leghorn; \$3.00 for best,

\$2.00 for second best pullet, S. R. Brown Leghorn; \$3.00 for best, \$2.00 for second best cock, R. C. Brown Leghorn; \$3.00 for best, \$2.00 for second best hen, R. C. Brown Leghorn; \$3.00 for best, \$2.00 for second best cockerel, R. C. Brown Leghorn; \$3.00 for best, \$2.00 for second best pullet, R. C. Brown Leghorn; \$3.00 for best, \$2.00 for second best cock, S. C. Buff Leghorn; \$3.00 for best, \$2.00 for second best hen, S. C. Buff Leghorn; \$3.00 for best, \$2.00 for second best cockerel, S. C. Buff Leghorn; \$3.00 for best, \$2.00 for second best pullet, S. C. Buff Leghorn; \$3.00 for best, \$2.00 for second best cock, S. C. Black Leghorn; \$3.00 for best, \$2.00 for second best hen, S. C. Black Leghorn; \$3.00 for best, \$2.00 for second best cockerel, S. C. Black Leghorn; \$3.00 for best, \$2.00 for second best pullet, S. C. Black Leghorn; \$10.00 for best, \$3.00 for second best display of Duckwing Leghorns; must be cock, hen, cockerel, pullet. Members to compete for the above specials must be in good standing.

W. F. BRACE,

President.

W. W. BABCOCK,
Secretary and Treasurer.
Bath, N. Y.

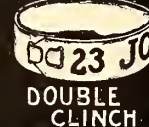
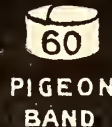
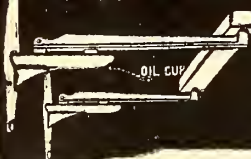
BUFF LEGHORN CLUB MEETING, CUPS AND RIBBONS OFFERED.

This club will hold their annual meeting at Madison Square, New York City, Jan. 5, at 2 p. m. A full attendance is desired. The Club will offer handsome silver cups valued at \$10 at each of the following shows: New York City and Auburn, N. Y.; Danville, Ill.; Pittsburg, Pa.; Cincinnati, Ohio; Detroit, Mich.

They also offer elegant ribbons valued at \$2 each at Chicago, Boston, and New York City shows, a ribbon any breeder can feel honored in winning.

Handsome ribbons valued at \$1 each will be offered at the following shows. Do not compare these ribbons with some of the cheap ones that are being offered. Paterson, Long Branch, N. J.; Nashville, Tenn.; Aberdeen, Miss.; Monmouth,

No 1-SINGLE ROOST STYLE



PROFIT IN POULTRY

is dependent on attention to details—clean water, freedom from vermin, grading and sorting out of old or poor birds, etc. Our **Davis Food and Water Fountains** will supply clean water and a constant supply of grit, oyster shells, etc. Price without bottles or cans, 25c. each or \$2.70 per doz., F. O. B. Battle Creek, Mich. **Davis Anti-Louse Roost Brackets** will insure their freedom from the worst pests the poultryman has to contend with—the mites. Prices—No. 1 style, 75c. per pair; 3 pair for \$2.00; 6 pair for \$3.50. No. 2 style, \$1.25 per set; 3 sets for \$3.25; 6 sets for \$6.00, F. O. B. Battle Creek, Mich. Our **Poultry Punches and Leg Bands** will assist in the proper grading, sorting and identification of your birds. **Prices**

Prepaid—Climax: 12 for 15c, 25 for 30c, 50 for 45c, 100 for 75c, 250 for \$1.75, 500 for \$3.25, 1,000 for \$6.00. Eclipse and Double Clinch: 12 for 15c, 25 for 25c, 50 for 40c, 100 for 65c, 250 for \$1.50, 500 for \$2.75, 1,000 for \$5.25. Smith Sealed: 12 for 30c, 25 for 50c, 60 for \$1.00, 100 for \$1.50, 250 for \$3.50, 500 for \$6.50, 1,000 for \$12.50. Open pigeon bands, same prices as Double Clinch bands. Davis Poultry Punches 25c. each.

THE KEYES-DAVIS CO., Ltd., Manufacturers,

Department B,

BATTLE CREEK, MICH.

Write for our catalog of up-to-date Poultry Specialties.

Ask your supply dealer for our goods or send your order direct.



FOOD FOUNTAIN



2 SIZES IN ONE • •
POULTRY PUNCH



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PAYNE'S ALFALFA MEAL
the green kind. Standard of the world.
Highest protein. Always green. All poultry
need it. Sample free. Write for
name of nearest agent today. **ALFALFA
MEAL CO.**, 1632 Farnam Street, Omaha, Neb.

BARRED PLY. ROCKS

Have some choice breeders for sale at \$2.50 and \$5.
Also show birds at reasonable prices. My birds are
always winners wherever shown. Write for particulars.
W. A. McCALL - XENIA, OHIO

A new game,
"Wheel of Success"
15 in. square—with
dice and men—free
from your dealer or
send 10c. to Pratt Food
Co., 126 Walnut St.,
Phila., Pa.



**IT GRINDS WELL
AND
MAKES SHELL**

Because Pearl Grit is always sharp
no matter how small the particles be-
come it's a perfect grinder. Because it
contains eggshell-forming, feather-
building, sinew-strengthening materi-
als which the fowl's system assimilates
and which reinvigorate and build up
the physical organism, no other shell-
making material is needed when you
use Pearl Grit. This is

Proved by Actual Test

and by chemical analysis which shows
that it contains all the essential prop-
erties of grit and shells. We guarantee
it absolutely to take the place of grit
and shells combined. It makes strong,
healthy, prolific fowls; has no dust and
no waste. Saves labor, time and money.
At once a money saver and profit
maker. If you raise poultry, you can't
afford to be without

Pearl Grit

You will find it exactly as repre-
sented—a wholesome, clean, sharp,
nutritive grit. Meeting every require-
ment of the practical poultryman,
whose object is to secure the largest
returns for his money. A trial will
convince you. Write for prices.

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Rockford, Rochelle, Ill.; Manchester,
N. H.; Corvallis, Salem, Albany, Port-
land, Ore.; Seattle, Tacoma, Walla
Walla, Wash.; Los Angeles, Fresno,
Cal.; Fort Wayne, Indianapolis, An-
gola, Goshen, Ind.; Toledo, Cleveland,
Painesville, Oak Harbor, Norwalk, Ohio;
Sioux Falls, Watertown, S. D.; Birming-
ham, Ala.; Jackson, Grand Rapids, Sag-
inaw, Owosso, Lansing, Quincy, Mich.;
Winsted, Hamden, Wallingford, Conn.;
Fayette, St. Joseph, Mo.; Woonsocket,
R. I.; Blandon, Hazleton, Mohnsville,
East Greenville, Pa.; Charlotte, N. C.;
Minneapolis, Minn.; Meaford, Guelph,
Ont., Can.; Atlanta, Ga.; Milford, Lynn,
Mass.; Denver, Colo.; Dallas, Texas;
Oshkosh, Delavan, Wis.; Dubuque, Al-
toona, Iowa; Parsons, Kan.; So. Omaha,
Neb.

You will find no better time to join
the club than now. You can compete
for the prizes, and your name will ap-
pear in their next catalogue, all for only
\$1 membership fee.

GEO. S. BARNES, Secretary,
Battle Creek, Mich.

THOS. PEER, President,
Fairfield, N. J.

INDIAN GAME CLUB.

The Cornish Indian Club of America
is working to get a large exhibit of this
noble, useful and beautiful breed for
the Chicago show. Every breeder and
fancier of this noble bird is requested
to send a string of this noble breed to
this show and attend in person. A fine
list of specials with the regular prizes
will be offered. The club will hold a
meeting Thursday, 7 p. m., during show
week. In order to further this interest
we wish to urge every member of club
and every breeder of Indians to do all
in their power to help the cause, and if
not a member of the club, join now.
Membership fees \$1. Trusting to re-
ceive your hearty support and co-opera-
tion. We remain yours fraternally,

REV. H. A. HUEY,
Secretary and Treasurer.
Casnovia, Mich.

BUFF ORPINGTON CLUB.

The National Single Comb Buff Or-
pington Club will offer handsome silver
cups valued at \$10.00 each at the follow-
ing shows: San Francisco, Cal.; Den-
ver, Colo.; Danville, Ill.; Goshen, Ind.,
and Toledo, Ohio. These cups are to be
offered on largest and best display.
Points to be figured as follows: First
prize, six points; second prize, four
points; third prize, two points. Com-
petition only open to members in states
where cup is offered.

The executive committee has decided
to hold their annual meeting at the No.
Indiana and So. Michigan Poultry,
Pigeon, Dog and Pet Stock Association,
to be held at Goshen, Ind., Jan. 1st-6th,
1906. This show has been selected for
three very important reasons: 1st. It
is centrally located; 2d. Last year this
show had over 150 entries of S. C. Buff
Orpingtons, making this the largest
entry of S. C. Buffs of any show in the
middle west. 3rd. The local association
has granted every request in the way of
specials and judges that was asked by
the club.

The Buff Orpington class will be
judged by W. C. Ellison of Pewaukee,
Wis., who is well qualified to pass on
this new breed and thoroughly under-



EVERYTHING FOR THE FOWL FAMILY

We appreciate the fact
that the practical poultry-
man and the farmer who
keeps a few hens are always
anxious to increase their profits,
and want the best foods and ap-
pliances they can get to do that.
For over sixteen years we have
been handling poultry supplies.
We have built our business on
the theory that the best is none
too good, but that it always pays
to sell the best. Our business
has grown bigger every year—
tangible evidence that we supply
high grade goods at reasonable
prices, that we deal fair and
square, and that our patrons
know the advantages of buying
everything they need from one
house. You will, too, when you
get your first order from us.
Our catalogue illustrates and
describes an immense line of

POULTRY SUPPLIES

as Cut Alfalfa, Clover Hay, Electric
Poultry Food, Mixed Grains, Chick
Foods, Crushed Oyster Shells, Beef
Scraps, Bone and Meat Preparations,
Animal Meal, Blood Meal, Ground
Charcoal, Grits of all kinds, Egg and
Stock Foods, Remedies, Condition
Powders, Lice Killers, Insect Ex-
terminators, Spray Pumps, Leg
Bands, Chicken Markers, Caponizing
Instruments, Thermometers, Egg
Testers, Lamps, Nest Eggs, Nests,
Egg Boxes and Baskets, Drinking
Fountains, Pigeon Supplies, Feed
Pans, Clover Cutters, Root Cutters,
Green Bone Cutters, Incubators and
Brooders, Poultry Houses, etc.—
there's nothing you need that we
don't have, and our catalogue will
be worth money to you. Write for it.

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Don't Cheat

your face with bad soap.
Enjoy the comfort and
luxury and safety of

WILLIAMS' SHAVING SOAP

Sold everywhere. Free trial sample
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Shavers Guide how to Dress
Correctly."

The J. B. Williams Co Glastonbury, Conn.

Expert Poultry Judge

Terms, reference, etc., for the asking.

H. A. EMMEL - R. 31, Mars, Pa.

A BETTER LOCATION THAN YOURS

Would be in Virginia, North Carolina, South Carolina, Georgia, Florida or Alabama, or some other Southern State, and we can prove it. Write for a copy of the special Southern edition of the

SEABOARD AIR LINE MAGAZINE

which is handsomely illustrated, and contains hundreds of specific opportunities for success, it matters not what your occupation.

J. W. WHITE

General Industrial Agent, Portsmouth, Virginia.

SEABOARD AIR LINE RAILWAY

stands the true type of the Orpington fowl.

Five elegant silver cups valued at \$10.00 each will be offered by the club at this show, to be competed for by points.

The committee has also decided to offer large, handsome silver cups valued at \$25.00 each, to be given at Madison Square, New York, on the largest and best display; Cincinnati, Ohio, on the best shaped mail bird; Chicago, Ill., on the largest and best display.

All the above specials to be competed for by club members only. New members must have their application in to the secretary five days before show opens. Full particulars with latest literature concerning the club may be had by addressing the secretary, Will H. Schadt, Goshen, Ind.

THE NATIONAL TOULOUSE GOOSE CLUB.

Will hold its fourth annual meeting in Chicago, Jan. 26, 1906, 2 o'clock p. m., in the club room of the hall where the N. F. and B. A. holds its big annual show. All members and interested parties are requested to be present.

Mrs. B. F. HISLOP,
Milford, Ill. Secretary-Treasurer.

THE NATIONAL BRONZE TURKEY CLUB.

Will hold its tenth annual meeting at Chicago, Jan. 25th, 1906, at 2 o'clock p. m., in the club room of the hall where the N. F. and B. A. holds its big show. The club offers a \$25.00 silver cup at this show to the members exhibiting the best breeders' flock of seven Bronze Turkeys, the same to consist of 1 cock, 2 hens, 1 cockerel and 3 pullets. Winning decided by counting points.

Mrs. B. F. HISLOP,
Milford, Ill. Secretary-Treasurer.

TO BANTAM BREEDERS.

The International Bantam Breeders' Club will offer a state cup at the Wisconsin State Poultry Show, Oshkosh, Jan. 15 to 20, 1906. This show will be the bantam show of Wisconsin, and I call a meeting of the Wisconsin members of the International Bantam Club,

as well as any visiting members and all interested in the Bantam fancy, to be held in the club room provided by the state show on Friday, Jan. 19th, at 2 p. m. I hope for a large attendance. This is the opportunity of Wisconsin breeders of the bantam fowl to show how strong they really are.

FRED Y. PARFREY,
State Vice President.
Richland Center, Wis.

INTERNATIONAL BANTAM BREEDERS' CLUB.

For a number of reasons the officers of the International Bantam Breeders' Club have decided to postpone the annual catalogue until next spring. There are so many important announcements to be made after the winter shows, and especially after the annual meeting that it was thought best to hold the catalogue for them. In the meantime the special offer of \$1 for membership in the club until October 1, 1906, will be continued until February 1st. Every breeder of bantams should send for the club circular which explains all about the club and this offer. We now have members in Canada, England, and all sections of the United States.

FRANK W. RADFORD, secretary.
Oshkosh, Wis.

SILVER WYANDOTTE CLUB CATALOGUE.

The annual catalogue of the Silver Wyandotte Club of America, is now ready, and can be had free by addressing

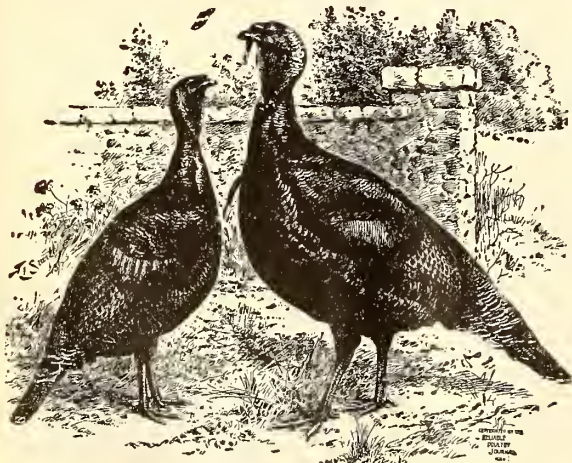
A. C. LEDUC,
Secretary-Treasurer, Chenoa, Ill.

BARRED PLYMOUTH ROCK BREEDERS.

"Get into line" for the next Madison Square Garden Show, 1906.

The American Plymouth Rock Club will offer \$450 in cash prizes to be awarded to members only, at the next Madison Square Garden Show, January 2-6, 1906.

This money has all been paid in to the secretary of the Committee on Funds for this show, and the prizes will be paid promptly as soon as the marked



BRONZE TURKEYS

I am happy to say I have reared this season more and better Bronze Turkeys than ever before. At

Great St. Louis World's Fair

my Turkeys won fourth Old Tom, first, second, third, sixth and seventh Young Tom, first, second, fifth and sixth Hen, first, fourth, fifth and seventh Pullet, and SILVER CUP for BEST DISPLAY. This in competition with the best Bronze Turkeys in the world, for we know there never was such a display of Bronze Turkeys as was shown at St. Louis. At

Madison Square Garden, New York, '05

I exhibited eighteen birds, winning EIGHTEEN PRIZES; two firsts, five seconds, six thirds and five fourths. What better proof can I give you as to the excellent quality of my Turkeys? I have something like

Four Hundred For Sale

Splendid breeding Toms both old and young, Pairs, Trios, Breeding Flocks and Exhibition Birds—any way to please you. Send a 2-cent stamp for Turkey Catalog.

MRS. U. R. FISHEL, Box A, HOPE, IND.

catalogues of the show are printed. This money will be divided into 38 prizes, with no prize less than \$10. In making up the list of prizes the interests of new exhibitors as well as those who have made the show in the past, have been carefully looked after. We have secured two well known judges to place the awards on the large classes that we expect to have at this show, and the judging will be done promptly.

Full list of the prizes will be printed in the Premium-list of the New York Poultry and Pigeon Ass'n, H. V. Crawford, secretary, Montclair, N. J.

AMERICAN PLYMOUTH ROCK CLUB,
H. P. Schwab,
Secretary, Rochester, N. Y.
C. H. Latham,
Secretary of Special Committee on Funds.

To Breeders and Fanciers of White Orpingtons: We are desirous of starting a White Orpington club, to advance our breed. Should you desire to co-operate with us, kindly drop a few lines to
DR. F. S. BULLINGTON,
Acting Secretary.

Box 328, Richmond, Va.

The Illinois State Silver Loving Cup, value, \$25.00, given by the American Plymouth Rock Club for the best Barred Rock cock, hen, cockerel and pullet shown by club member from Illinois will be competed for at Chicago, Jan. 22nd to 27th, 1906. The Illinois state meeting will be held at the show room Wednesday, Jan. 24th, 1905, at 2:30 o'clock, for the election of state officers and the transaction of such other business as may come before it. All are cordially invited to attend.

At this show \$200.00 in cash specials will be open to competition to all club members.
DR. O. P. BENNETT,
State Secretary.

Mazon, Ill.

THE PORTLAND EXPOSITION AWARDS THE INCUBATOR PRIZE.

Incubator manufacturers have been keeping a watchful eye on the Portland Exposition as the time approached for awarding the prizes. The exposition is now closed and the expected has happened. The Petaluma walked off with the gold medal.

This really occasioned very little surprise. The Petaluma is regarded not only in the west Coast states but all over the country as an incubator of the first rank. And the company maintained an exhibit at Portland that was daily admired by thousands of visitors. It was so attractive and complete that had the matter been left to visitors on general appearances there would never have been any question as to who should have had first honors. Of course the judges had to go into other matters and consider the real merits of the machines, both incubators and brooders, and the Petaluma won out.

The Petaluma, by the way, has acquired the habit of winning gold medals. It did it at the World's Fair at Chicago, at the Pan-American at Buffalo, and at all the fairs where they have exhibited from that on down to the Lewis & Clark Exposition.

We congratulate the Petaluma Company and are glad to publish the award to our readers. They and the general public are not so much interested in the matter of the honor as in being informed how the different machines rank when they are put on trial together and judged by competent authority. We believe no question has been made, in this instance, of the incubator honors being worthily bestowed.

Klein & Anderson, of Macon, Ill., won at the Illinois State Fair recently the following: Barred Plymouth Rocks, 3d cockerel, 3d pen; Partridge Cochins, 1st and 3d cock, 1st, 2d, 3d cockerel, 1st and 2d hen, 1st and 2d pullet, 1st pen; Embden geese, 1st pair.

SO FIFTY SO

We have fifty Lt. Brahma, Partridge and Buff Cochins cockerels and cocks that must be moved. These are extra choice breeders and exhibition birds and will go at half their value. Prices \$2.50, \$5.00, \$7.50, \$10.00 and up. Send on your order or write for further particulars.

ELMDALE FARM, C. L. DUFFIELD, Prop., Room 11, Commercial Bldg., Marshalltown, Iowa

BENNETT'S WHITE WYANDOTTES

Have become celebrated for the pure whiteness of plumage and typical Wyandotte shape. They **Are Bound to Win.** Early hatched cockerels now ready for the show room. Get our prices before they are gone. Let me improve your flock with stock that is absolutely white.

J. B. BENNETT : : : RINGWOOD, ILLINOIS

1500 Head of America's Best Wyandottes

Golden, Silver and Whites That Are Up To Date



No strain wins so heavy at America's great shows as the Keller strain. Our birds have won 300 premiums at Madison Square Garden, N. Y., since 1891. They won 36 premiums at the World's Fair, and hundreds of premiums at many other great shows, and are winning today for our customers through the world. If you are after up-to-date birds, line-bred for 20 years, that are bred to lay as well as for the show room, I can supply you with either fine show birds or fancy breeders mated in any number to suit, at reasonable prices. We also breed on the side, for pleasure, Sebright Bantams, Jap Silkies, Belgian Hares, Berkshire Hogs, all imported stock. Our circular tells all about our fine stock free.

IRA C. KELLER Brook Side Farm : : Box 75, Prospect, Ohio

Don't Stub Your Toe

but buy your

White Wyandottes

of a

Specialist

Duston has always been, and that is the reason he has been able to "make possible the world's best flocks." Just write your wants for hot goods to



Arthur G. Duston

Box 1020 S. Framingham, Mass.

A SPLENDID CHANCE

to secure much for little. **Farm-Poultry**, the great National poultry publication, the paper that is conducting that much talked of series of "FIRST LESSONS IN POULTRY KEEPING," offers the readers of this paper an exceptional opportunity to obtain a wealth of excellent poultry literature at small cost. Send for a sample copy of **Farm-Poultry**. Note, in addition to the splendid series mentioned, its method of reporting shows in full, without discrimination against any prize winner—its complete market reports—its systematic "Questions and Answers" feature, and the rich fund of practical, profitable information contained in every number. **Farm-Poultry** is issued twice a month, 1st and 15th, and the price is 50 cents a year, but for a limited period it is making a

SPECIAL OFFER

of **Farm-Poultry**, **American Poultry Journal** and **Reliable Poultry Journal**, all three papers one full year for only one dollar.

Here is a combination insuring utmost satisfaction to the lover of up-to-date poultry literature—one which will cover every phase of this money-making industry. Send all orders and remittances to

FARM-POULTRY PUBLISHING CO. - BOSTON, MASS.

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If you want to sell,
send description to
FRANK P. CLEVELAND
946 Adams Express Bldg., Chicago, Ill.

ORVILLE D. CHINN

Specialty breeder of **Black Breasted Red Games**.
The exhibition kind of finest quality. Write me for
prices. **Kehoe, Ky.**

SINGLE COMB W. LEGHORNS

Bred to standard and for egg produc-
tion. Stock and eggs for sale
in season.

WHITE STAR POULTRY FARM, South Amboy, N. J.

BARRED PLYMOUTH ROCKS**EXCLUSIVELY**

Bradley Strain. 300 cockerels and pullets
for sale at at live and let live prices. Pairs,
trios or pens mated to suit. Cockerels \$2 and
up. Satisfaction guaranteed or chickens re-
turned and money refunded. Have never had
a single complaint and have been a breeder of
Barred Plymouth Rocks for ten years.

J. A. DICKERSON - ROCHESTER, ILL.

MAKE YOUR OWN CUT GREEN BONE

It's a very easy, sim-
ple operation with a
CROWN Bone Cutter.
Green bone makes eggs, and
stimulates the hen's product-
ive organs. Cut bone fresh
every day. The Crown does it
quickly with no bother or muss. 25 years
building cutters. Write for free catalog.
WILSON BROS., Box 600, EASTON, PA.

READY FOR BUSINESS!

We are now ready to make prompt
shipment of

SUPERIOR TRAP NESTS

to all parts of the United States. Calls
received from Atlantic to Pacific, and
from Canada to the Gulf. Won highest
award at I. Illinois State Fair. Write for
special introductory prices.

J. A. Bickerdike Millersville, Ill.
The Trap Nest Man,

THE E. G. WYCKOFF STRAINS**OF**

S. C. WHITE LEGHORNS
S. C. BUFF LEGHORNS

And Imported Black Leghorns, Pyle
Leghorns, and Silver Duckwing
Leghorns

Are World Renowned. World's Fair,
Madison Square Garden, N. Y. State Fair,
Trenton, Inter-State Fair, Hagerstown Prize
winners, 59 regular prizes on sixty entries at
Trenton, including 31 firsts, October,
1905. Prize winning birds at reasonable prices.
Catalogue and mating list free. In writing
tell what you want and mention this paper.

E. G. WYCKOFF

Box 106 C. Ithaca, N. Y., U. S. A.

SURE HATCH, NEBRASKA.

That's what Clay Center should be
called!

Drop a letter in the mail box anywhere,
addressed just "Sure Hatch, Nebraska,"
and it will go to the Sure Hatch Incubator
Company, at Clay Center, as fast as steam
and steel can carry it.

Every railway mail clerk and every post-
office official through whose hands the let-
ter passes will know at once that its desti-
nation is Clay Center, Neb.

For the Sure Hatch Incubator Company
practically is Clay Center.

There is no other big industry located
there.

Nearly everybody in town works for the
Sure Hatch Incubator Company.

Its pay-roll keeps Clay Center going—
keeps its population happy and prosperous.
And Clay Center is proud of its famous
industry, proud of the splendid reputation
of the "Sure Hatch," proud of the men
whose genius and industry have made this
little town known and honored all over
the civilized world.

You can easily find out for yourself that
what we say is true.

If you are interested in incubators and
brooders, just drop a line to "Sure Hatch,
Nebraska," and say you would like to see
a copy of the new Sure Hatch catalogue.

You'll get it by return mail, without a
doubt.

And when it comes, you'll find it the
most interesting catalogue you ever read.

There's no other incubator catalogue like
it—none so chock full of interesting
and valuable information about incubators and
brooders, about the hatching and raising of
chicks for pleasure and profit.

Try it today—send a postal addressed
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the Big Catalogue—see what happens!

THE "ORIENTAL LIMITED"

Train of the Great Northern Railway
Between St. Paul, Minneapolis
and Puget Sound Points.

This new train has been aptly named.
Travelers of this progressive age demand
the highest degree of comfort when they
are contemplating to undertake a journey,
and especially a journey of considerable
length. In the placing in service of the
"Oriental Limited," the Great Northern
railway has achieved a distinctive success
in the excellence, ease and elegance of this
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his journey's end with a pleasant memory
lingering in his mind of the comfort which
has been provided for him. All the con-
veniences of a modern, up-to-date hotel, all
the comforts of home, the privacy of a
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ing a long journey he looks forward to it
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roundings of this train, the opportunities
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will see that there is as much difference
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tucky thoroughbred and a truck horse.

The Prairie State Incubator Company,
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have been putting out for many years. Send
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pullet, 2d pen. I now
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Chicago, Ill.

SINGLE COMB MINORCAS

BY S. A. McWILLIAMS, M. D.

This article is intended mainly to apply to Single Comb White Minorcas, while much that is herein written will apply equally well to the Black.

It is written mainly to enable the amateur to understand better, some of the requirements laid down by the American Standard of Perfection for this Breed.

It is well known that no breed, or variety, can excel them as egg producers, nor as layers of large white-shelled eggs, which often weigh as much as 6 to the pound, or nearly twice as much as Leghorn eggs.

As the comb is the first part of a Minorca male that attracts our attention, we will write of it first.

For our description, the comb consists of two parts, the spikes and the blade upon which they rest.

The comb should follow the curve of the head and neck, without touching the neck feathers. It should stand erect, without bending to either side. To do this properly it should be attached to the head by a broad, thick base.

From the sides of the comb, front or rear, there should be no growths or projections, such as warts, excrescences, side sprigs or tits, as they may disqualify.

As the front edge of the comb rises from the beak, it should be smooth and even, free from little spikes or tits.

The rear edge of the comb should not be split like a fish tail, nor should it have little spikes, projections or uneven elevations; it should be smooth and even.

The comb should be straight from the front to the rear, on top and sides, and should not be bent or twisted to either side; neither should its sides be indented or depressed or dished, with what is called a thumbmark.

Every comb is required to have 6 wedge-shaped points (neither more nor less); and to have the middle spikes the longest. All the spikes should show a gentle curve along the top, from before backwards, as if a curved line was drawn along the tips of the spikes.

The spaces between the spikes of either sex should be evenly and deeply notched like the teeth of a saw; such notches are called serrations.

The edges of each notch should be perfectly straight, as straight as the edges of the tooth of a saw.

The depth of the comb is made up of the spikes and a so-called blade, upon which they rest. The middle spikes should be of the same depth or length as the blade.

The head should be long and broad and thus provide a wide base for the comb, so that the latter can be carried erect and firmly.

The blade should be attached to the head by a broad base, so as to give a firm support for the spikes above.

The sides of the base should be straight, lengthwise and upwards, so as to be free from indentations or hollow spaces called thumb-marks.

The sides of the front of the comb in either sex should be free from ridges, indentations or twists.

The sides of the comb in either sex should be moderately rough in texture; not smooth, like the skin.

The front of the comb should rise from the beak at a point midway between the nostrils and tip of beak.

THE FEMALE MINORCA COMB.

The hen's comb is not fully developed until laying time, when no mistakes should then be made in the Standard shape of her comb.

When held erect, the shape of the comb should conform to the shape of the male comb.

It should be red, single, have six wedge shaped (not round, pencil shaped) spikes, separated by six wedge shaped, even serrations.

It is not expected that all the spikes shall be of the same length. The two middle spikes should be half the depth of the comb, and all the spikes should be evenly separated, and so curved that an imaginary line drawn from point to point of each spike would describe a nicely curved arch.

LOOP OF THE HEN'S COMB.

The loop on the front of a hen's comb should somewhat resemble the loop made in the string used to tie a person's shoe on the foot.

As the front of the comb rises from the beak, it should turn to one side, then curve over to the other side, before again curving back (together with the whole comb), to fall or droop well down, gracefully over either side of the head.

The curves should be high enough, strong enough, and wide or broad enough to throw the large, heavy comb far enough off from the side of the face to permit the hen to see perfectly in front of her.

I would suggest to the white Minorca clubs that they breed away from

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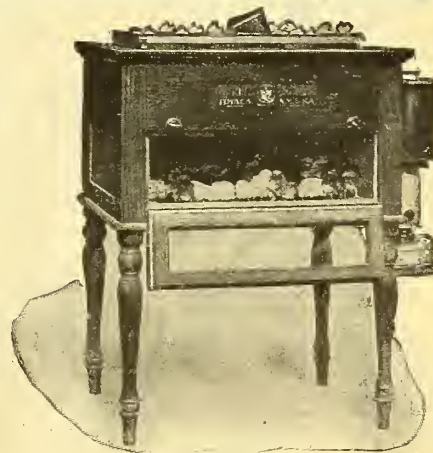
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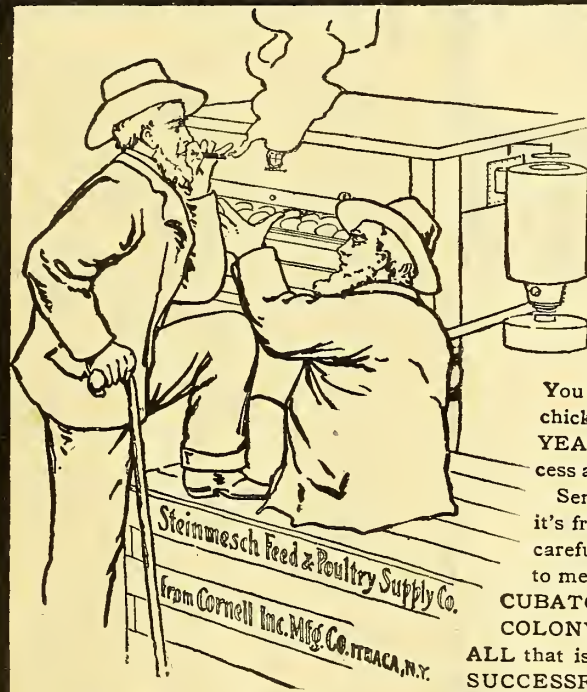
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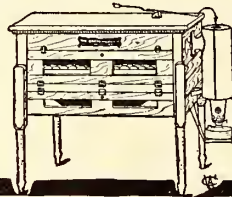
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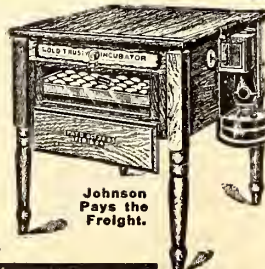
claims, don't keep it and cuss it, but ship the machine back, and you'll get your money—quick!

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Johnson Pays the Freight.

the loop at the front of the Minorca hen's comb.

It causes to appear in the front of the male and female combs so many unsightly ridges that do not pay to breed out.

To remove the defect, borders on double mating and becomes too expensive to pay, although I have birds that are perfect in this section.

I would suggest that the standard for the front of a Leghorn comb be adopted, which says that the front edge of a Leghorn comb shall rise up straight, including the first spike, before curving over the face.

The edge of the front of the comb and of the rear of the comb in either sex should be slightly curved upwards, but without tit-like projections or elevations, or double spikes, or depressions, or slits of any kind.

Neither side of the comb in either sex should be hollow, or concave, or dished (so-called thumb mark), causing its opposite side to become convex, like the under side of a round dish.

S. C. WHITE MINORCAS.

In the white Minorcas the beak should be white, stout and fairly long.

In them the eyes should be orange red in color, full, bright, sparkling and expressive.

The face should be bright red in color without folds or wrinkles. Be on the lookout for white spees below or around the eyes, extending toward the ear lobes. If the face is pale in health, that face is likely to turn white. Avoid such.

The ear lobes should be pure white in color, of the shape of an almond shell or kernel, broad, flat, smooth, free from wrinkles or elevated folds.

They should be of fine texture, like that of a white kid glove, prominent and projecting beyond the surface of the face.

The wattles should be dark red in color, long, rounded at the ends and free from wrinkles or projecting folds.

We have an imported yearling male whose comb and wattles are large and in proper proportion. His weight approaches nine pounds; his comb is six inches long, straight as an arrow and its height is 3½ inches; his wattles are perfect, without a fold, crease or wrinkle and measures in length 4½ inches, in width three inches. They are thin, long and pendulous and well rounded at the extremities.

The neck should be long and nicely arched, with abundant hackle flowing well over the shoulders.

The breast should be full, round and prominent.

The keel or breast bone should be straight, not curved, crooked or twisted.

The body should be deep and long, and broad at the shoulders.

The back should be broad, flat, long and sloping evenly to the tail.

The tail should be full, broad, not pinched or close, long, and carried so low as to form an angle of 40 degrees above a line horizontal with the floor. In the male this angle applies to the tail feathers under the sickles, and not to the sickle feathers. These tail feathers should not stand erect, but be carried considerably behind a perpendicular, about half way between a vertical and a horizontal line.

If these tail feathers incline upward toward the back, so as to pass in front of a vertical line, then such tail is called a squirrel tail and the bird is disqualified for the show room.

The two long, prominent top feathers on a male bird's tail are called sickles, from their resemblance to an old-fashioned sickle cutting hook.

These two feathers should be long and well curved.

The color of the white Minorca feathers, clear down to the skin, should be white; not pure white like the snow, but as free as possible from creamy color of the quills, or brassy color of the plumage.

There should be no black feathers anywhere; nor should there be black or gray spots, or gray streaks, called ticking, anywhere on the webs of the feathers.

Look well and carefully for tiny little feathers or down on the legs and between the webs on the toes, as they disqualify.

The legs should be white or pinkish white, of medium length and stout.

The toes should be four in number, perfectly straight, not curved to either side, and well spread apart.

Weight of white Minorca pullets is placed at 5½ pounds and cockerels 6½ pounds, before they are one year old. The weight of hens is placed at 6½ pounds and cock birds at 8 pounds, after they are one year old.

Perfection in size, shape, color and carriage (in one) is not attainable in man or beast, neither can they be obtained in fowl.

Such birds as I have partially described are today worth \$100 apiece.

Man or fowl may be good, very good, in some sections of their make up, but never perfect in all.

In the show room every perfect bird is valued at 100 points. None ever reach it.

The judge cuts for some of the defects he finds in certain sections as follows:

In the Minorca combs he cuts and deducts ½ point, from the 100 points, for each spike on the comb that is more or less than the Standard requirement of 6 points.

For a thumb mark he cuts one point, for any bending of the comb one point, an absent sickle is cut one point, one point for the absence of a tail feather, one point for brassiness in each and every section, the same for creaminess of the quills in each section, one point for gray specs or ticks in each section, for white specs in the face one point, for down between the toes one point, crooked toes one point, crooked keel or breast bone one point, for absence of a tail or wing feather one point, eyes not reddish in color one point, red in the ear lobes covering less than one-third of the surface is one point, etc, etc. If more than ¼ of the surface of an earlobe is red it disqualifies.

The judge has the right to cut more or less severely than the above scale if he thinks best.

The latest 1905 Standard of Perfection lays down the rules that the judge should follow:

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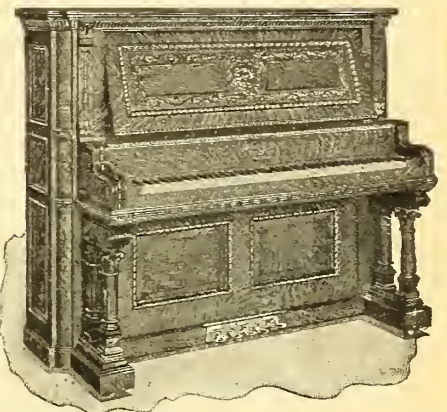
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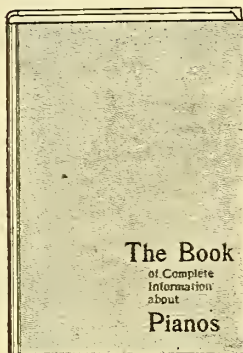
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THE COMING OF THE TRAP NEST.

This is an age of progress. Old methods, old ways are constantly giving way to the new. The rural mail delivery; the rural telephones; the inter-urban; the automobile; the wireless telegraphy;—all are living witnesses to the progressive age in which we live. In whatever direction we turn, whatever profession we may enter, there we find the mark of the hand of progress, and woe to that person, whatever his calling, who does not recognize this progress and keep abreast of the times.

The poultry industry is not falling behind in the procession, by any means. The number and quality of the poultry journals; the long list of great poultry shows; the army of men and women engaged in poultry breeding; the great amount of poultry advertising; the vast number and kinds of poultry appliances;—all give testimony to the greatness and progress of the poultry industry. Though increasing at such a rapid rate, the supply of poultry and poultry products does not keep pace with the demand. Prices are steadily on the increase, and herein is the poultry breeders' greatest encouragement. The writer has heard his grandfather tell of selling eggs at 2c per dozen here in Illinois. Compare with this the present market prices of poultry and eggs and the breeders prices of \$1 per egg and \$1,000 per bird.

It is the purpose of this article to call attention to the trap nest as a vital need of the 20th century poultryman.

Every new method or new invention must pass through a period of criticism or probation and be thor-

oughly tested in its workings and results before it is accepted by the general public. The trap nest has been in practical use for several years. It has already passed through that period and is now being accepted by the breeders and the press as an essential to poultry breeding and is just entering upon a period of great usefulness and popularity. Each succeeding issue of the poultry journals contain more trap nest items; we see them on exhibition at our great poultry shows and the breeder is fast recognizing them as essential to success.

Why does the trap nest hold such an important place in the poultry world? The whole secret of its value is told in these words, "*It shows which hen laid the egg*". It shows just what each hen is doing. Perhaps a few hens of a flock lay most of the eggs. It picks out the 300 egg hen, the 200 egg, the 100 egg, the 50 egg, and the drone. It makes it possible to build up a good laying strain in a very short time. Feeding the drones is one of the greatest leaks with the poultryman.

It picks out the winter layers. A hen may lay well in the spring and summer, but stop when winter comes. With the trap nest a good strain of winter layers may be built up.

It enables one to get acquainted with each individual hen. The frequent handling, in removing the hen from the nest, tames her and it is the tame hen that is the paying hen. By frequent handling, the breeder will know when anything goes wrong with the hen, and remedy it.

It prevents egg-eating as the egg-eater is easily detected and killed.

The frequent handling and removing from the nest discourages broodiness.

It picks out the hen that lays the white egg, the brown egg, the yellow egg, the infertile egg. It may be that two or three hens of a flock lay most of the infertile eggs as has been proven by the trap nest.

It picks out the hen that raises the best chicks. Not always the highest scoring hen raises the winning chicks. With the trap nest a breeder can study the results of his matings with each hen. He may have a pen of ten hens and all the advantages of a pen of one hen. The trap nest is the only practical way that a breeder can pedigree his stock. The day is surely coming when poultry will be pedigreed as is other thoroughbred stock.

While most breeders prefer the incubator to the sitting hen, the trap nest comes as a boon to him who has the care of sitting hens. They may be placed in a building or yard away from the laying hens, removed once a day for feed and water, and when they return to the nest, they shut themselves in and the other hens out, so they cannot crowd on and break the eggs.

Trap nests have come to stay. They have been tested and their value demonstrated. The progressive breeder is welcoming them with delight as a most valuable aid in improving his flock, and the time is not far distant when he, who does not use them, will have very little demand for his stock.

J. A. BICKERDIKE.

Millersville, Ill.

THE VALUE OF FERRETS ON THE FARM.

Ferrets are small slim animals which are used for hunting rats, ground squirrels, rabbits and other burrowing animals. They are very useful to the

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MANN'S LATEST MODEL BONE CUTTER.

The one that has a self-regulating feed, automatically adapting itself to the strength of the operator. It cuts hard and soft bone with equal ease and never clogs. It cuts the adhering gristle and meat and all of the bone into a fine, clean food, full of protein and all other egg elements. It leaves no chunks nor gristle. You do not need to experiment when you buy a Mann's, because

We Will Ship One to Your Address On 10 Days Free Trial.

This is a square offer and you need not put up any money in advance. Write and see. Catalogue free.

F. W. MANN CO., Box 56, Milford, Mass.

farmer, to protect his grain and poultry from being destroyed by rats. Their work of destroying and clearing out rats is much more effective than that of a rat dog or cat, as ferrets can enter the rat holes, kill and chase out the rats.

To hunt rats, liberate the ferrets where the rats are working. They will soon enter the rat holes. Be ready with clubs to kill the rats which escape from the ferrets. After the ferrets have hunted an hour or two, pick them up and put them back in their pen. Give them a few such hunts and the rats will all leave.

Ferrets make fine pets. They become as playful as a kitten and can be carried in your pocket for chasing out rabbits.

They are easily cared for. A box three feet by four feet put in a dry place makes a good home for a pair of them. Bread and milk is a good food for them. They eat almost anything a cat or a dog will eat.

Ferrets are very prolific, usually raising two litters of young each year. These litters range in numbers from five to twelve.

There is a ready demand for these little animals and they bring from \$2 to \$3.50 each according to their age and the season of the year.

SAMUEL FARNSWORTH.

IS THE STANDARD ABSOLUTELY CORRECT.

I noticed in the JOURNAL'S issue of November, an article entitled "Before They Begin to Knock the Standard," by Mr. E. L. C. Morse. Now, my father was a pure blood man in his day and raised blooded Dorkings in the sixties. I am in the business and grew up with it, and can remember of many birthdays that the most prized present was a pair or trio of some full blooded fowls; so, I think, I am qualified to say a word or two in regard to Mr. Morse's article.

In the first place, is the business of raising poultry for profit, or for the show room alone? I believe 19 out of 20 will answer "for profit, of course," and the twentieth will say, "for both." Then, by following the last answer, you get into an argument as to whether the show-room should interfere with the market or not, and in all the cases that I have argued this question I got the answer, "The standard should be changed to meet the utility of the breed as the breed changes." Again, how many people would raise chickens to show for points alone, if there was no profit beyond the satisfaction of having a certain breed or kind perfect?

Now, I will state my own case. I have been raising, among other breeds, some light Brahmas for market and I got a freak hen a few years ago that weighed 11 pounds, but was nicely shaped and feathered. I bred her to a cock that was somewhat overweight, and produced some chicks that weighed a trifle over standard. I then started in to breed for early maturity, keeping the size, also. I have at present two pens of Light Brahmas, one of standard and one of my own, and my own are in shape and coloring of feathers up to the standard as much as any other pen, excepting size, but they will mature two and, in some cases, three weeks earlier than the

WANT AN EGG MAKER?

Use Darling's Beef Meal.

Guaranteed absolutely fresh, sweet, free from taints and mustiness. No other so rich in protein and low in fat.

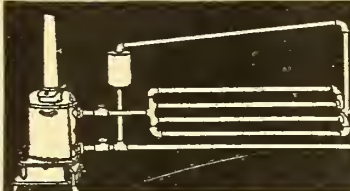
The following in 100 lb. bags are f. o. b. Chicago or New York, cash with order: Laying Food \$2.00, Scratching Food \$2.00, Forcing Food \$2.00, Chick Feed \$2.50, Mica Crystal Grit 65c, Oyster Shells 60c, Beef Scraps, Bone Meal and other Foods and Supplies.

Write for our food and supply catalog, greatly improved this year. All the good things in poultry foods and supplies. Also booklet, "Fill the Egg Basket". Address nearest office.

DARLING & COMPANY,

Box C, Long Island City, NEW YORK.

Box C, Union Stock Yards, CHICAGO.



Ripley's Poultry House Heater

lasts for years. Made of cast iron and steel. Burns wood, coal and coke.

No. 200 Heater, Less Tank and Piping.....\$25.00.

No. 200 " With Expansion Tank..... 28.00.

Prices of piping quoted on application. Catalog free. Manufactured only by

RIPPLEY HARDWARE COMPANY, Box 11, CRAFTON, ILL.

Eastern Agts.—H. F. Mitchell Co., Philadelphia, Pa. Joseph Breck & Sons, Boston, Mass.

Western Agts.—International Stock Food Co., Minneapolis, Minn.

TUBULARS WRING GOLD FROM MILK

Tubular butter brings 25 to 35 cents. Cream is worth only one cent for stock food. Yet many farmers have no separator—only half skim their milk by setting—lose 24 cents on cream fed to stock—and wonder why dairying don't pay. **Tubulars stop this loss.**

Tubulars get the last drop of cream out of the milk—make big profits. Tubulars are the only modern separators. Notice the low can and enclosed gears. Write for catalog S-205

THE SHARPLES SEPARATOR CO., WEST CHESTER, PA. TORONTO, CAN. CHICAGO, ILL.

Sharple's
TUBULAR
CREAM SEPARATORS

3 HELPS TO HEN HEALTH

Do you get "eggs when eggs are high"—in winter? **Lee's Egg Maker** makes them for others—will for you. It provides the necessary elements for making egg and shell.

LEE'S EGG MAKER

acts on the egg-producing organs, and turns food into eggs instead of fat; keeps fowls healthy, brings them into breeding season strong, vigorous, and in the pink of condition. Makes fertile eggs—lots of them. It's the natural food for winter eggs. Price 25c, 50c, and \$2. Ask your dealer or send direct.

LEE'S GERMOZONE

The best for Roup, Colds, Frosted Combs, Canker, Inflammation of the Throat, Bowel Complaint and Chicken Cholera. Sick hens don't lay—dead chicks don't sell. Keep them alive, healthy and profitable, with Germozone. Price 50c, postpaid. Ask your dealer or send direct to us. Send for new Calendar and Egg Record, free. Tells all about diseases of poultry and how to cure them. Success of poultry depends upon the health of your fowls. Germozone is a reliable remedy you should keep on hand.

LEE'S LICE KILLER

The liquid preparation that kills lice, mites, and all vermin, both by vapor and contact. Easy to use. Paint or spray it on the roosts and walls, that's all. No handling, dusting, dipping or greasing. A lousy hen won't lay—rid her of lice with Lee's Lice Killer and watch her work. Does not injure fowls or plumage. Price: Qt. 35c; ½ gal. 60c; 1 gal. \$1. Ask your dealer or send direct to us. "Mandy's Poultry School"—32 pages valuable poultry information—Free. Send stamp.

Write for 1906 Catalog of "Mandy" Lee Incubators, Brooders. New features—new sizes—new prices. None better.
GEO. H. LEE CO., OMAHA, NEBRASKA

show pen, and weigh from a pound to two pounds more. I believe I can expect, with reason, to put a fowl on the market in two years that will mature as quick as a Plymouth Rock, and weigh from five to six pounds heavier. I think I am wrong. I do not believe in all breeds being bred to a larger size, for I think that the Mediterranean breeds would lose their egg laying capacity if so bred.

F. B. E. TAYLOR.

FAKED BIRDS IN THE SHOW ROOM.

BY REV. C. E. PETERSEN.

We have noticed of late that faking birds for exhibition is being advocated by some writers for our different poultry journals, and such articles given prominent place, instead of being kept out, as any such practice cannot be advocated, and certainly can only be detrimental to the breeding of fine poultry, and will make the thoughtful breeder and purchaser suspicious of show birds in general, and foster the idea in the mind of the amateur breeder that he who fakes best wins the most, which is not, by any means, true of the average fancier and exhibitor, who, generally speaking, are sportsmen enough to find no pleasure in the winnings of a bird that he knows stands a hypocrite in front of the judge, and for breeding purposes is valueless, because of some hidden fault or blemish in the blood.

Any such practices should and must be discouraged by any honest breeder, and no excuse offered can make the practice of faking right.

We have a standard and birds should measure up to the requirements there-

of, and if the requirements are such that they cannot be accomplished, then the standard should call for requirements that can be accomplished by the breeder.

There may be requirements for some breeds in the standard hard to accomplish, but not impossible, or even nearly so, as year after year, we can find high class exhibition specimens in the yards of our noted breeders up to standard requirements, and at a time of the year when these same birds were not fitted for exhibition. And let it here be said that fitting for exhibition is one thing and faking is another.

We well know that the standard calls for the birds to be shown in their natural condition, and that some breeders construe that so as to make it mean that even fitting would not be allowed, if the words were interpreted in their literal meaning, but that certainly is not so.

Take, for instance, a white bird. Now, we all know that for show purposes it must be cleaned and washed, so as to make it appear as it ought to appear before the judge. Is it natural to wash a fowl in soap and water? Does the fowl, in its natural state, resort to those means?

To this, I answer yes, as, when left to themselves, in a state of nature, they, like all other birds, manufacture their own soap out of grease, dust and alkali, and the rain does the rest, but when in the usual confinement, subject to conditions that can only make a dirty and unsightly plumage, the breeder steps in and does the washing so as to put that bird into a natural condition of cleanliness that is fitting.

But, if, on the other hand, this same bird should show a very pale leg color, where the standard calls for "bright yellow," and the owner, to help out

this defect, uses any preparation that will give the leg the color called for by the standard, that is not fitting, but that is faking.

Now, if a leg can be bred "bright yellow," then I say breed it so, and if that cannot be accomplished then strike it out, that is all.

We know that in old white plumaged birds the leg will not continue in its pristine yellow beauty, and, therefore, due allowance should, and generally is, made, by the judge.

Again, the standard calls for white plumage, with no black in any section, and if black feathers are found the bird will be disqualified, and rightly so. Now, a specimen might have a speck of black in the plumage, and otherwise be a splendid bird, the temptation comes, pluck it out, and undoubtedly this is done quite often, but it is faking, and not fitting. Such a bird might be used in the breeding yard to good advantage—though I doubt its value even there—but it is not fit for an honest exhibitor to show if he removes the disqualification. O! yes, I know well enough what some of the white plumaged bird breeders will say—that those beautiful whitest of the white birds will show the black specks in the plumage, and, therefore, the breeder takes it for granted that they are a necessity; yes, and they will continue to be a necessity as long as breeding from them is continued, and the same may be said of a good many more varieties where the skill of the owner is greater in faking than in breeding.

Absolutely nothing but rigid selection will perfect our different breeds, and as long as faking in the show room is advocated openly and tolerated by judges we are a long way behind in the much desired object of breeding true to requirements.

BLANCHARD'S WHITE LEGHORNS

are no experiment, having been carefully selected and bred for over twenty years. No labor or expense has been spared in building up and perfecting this strain, and while the production of large, pure white, fancy market eggs has been the main object, **standard qualities have not been neglected.** They are large, vigorous, active and handsome. Good winter layers and keep at it all summer. Unexcelled for introducing new blood or as foundation stock. **STOCK FOR SALE both OLD AND YOUNG.** Illustrated circular free

**None Better Anywhere
At Any Price.**

Winners at Madison Square Garden, N. Y., 1903-1904-1905

H. J. BLANCHARD

Box 997, Groton, N. Y.

COLUMBIAN WYANDOTTES

The Fowl that is creating a sensation all over the World. Remember our three pens at Hagerstown that attracted so much attention are only a small part of our flock. Our two first-prize New York winners, (Teddy and Keystone) have done wonders as breeders. Get a cockerel that will do you much good. No better blood in the world. Pens, trios and pairs for sale. Don't wait till after the great display at Madison Square Garden or you will pay double the price for the same bird. No birds sold for less than \$5. **AUG. D. ARNOLD, Box 777, DILLSBURG, PA.**

Something New For Chicago

for an exhibitor to get FIVE FIRSTS on

White Wyandottes

CHICAGO SHOW, Dec. 1903;

1st Hen }
1st Pul. } W. WYANDOTTES
1st Pen }

CHICAGO SHOW, Dec. 1904:

1st Cock }
1st Hen }
1st Clk. } W. WYANDOTTES
1st Pul }
1st Pen }

Show Birds and Breeders for sale at all times.

J. L. JEFFERSON, Box A,



**2nd Cockerel, World's Fair,
St. Louis.**

Something Old For Chicago

for JEFFERSON to get 1st clk. and 1st pul. on

White Rocks

CHICAGO SHOW, Jan. 1903:

1st Clk. }
1st Pul. } W. ROCKS
1st Pen }

CHICAGO SHOW, Dec. 1903:

1st Clk. }
1st Pul. } W. ROCKS

CHICAGO SHOW, Dec. 1904:

1st Clk. }
1st Pul. } W. ROCKS
1st Pen }

DES PLAINES, ILL.

GONE HOME TO ROOST.

An announcement of more than ordinary interest to White Plymouth Rock breeders is that of D. T. Roots, Connerville, Ind., and U. R. Fishel, Hope, Ind.

Mr. Roots, of the May R. Poultry Plant, on October 8, 1905, sold to Mr. U. R. Fishel, Hope, Ind., his entire stock of White Plymouth Rocks, including his Pan-American, Cleveland, Chicago, Cincinnati, Indianapolis and St. Louis World's Fair winners. Mr. Roots, for a long time, has been a successful White Plymouth Rock breeder and an advertiser in AMERICAN POULTRY JOURNAL.

The heading of this article, "Gone Home to Roost," explains the situation very nicely in a few words, for Mr. Root's foundation stock of White Plymouth Rocks was originally purchased of Mr. Fishel and by Mr. Fishel's purchase of Mr. Roots' business this stock and strain is simply going back home to Mr. Fishel. It is a significant fact that Mr. Roots has been very successful in winning prizes on the stock that he originally purchased of Mr. Fishel. The sale consists of 4,000 birds, which added to Mr. Fishel's "Best in the World" gives him, without doubt, the largest and best flock of White Plymouth Rocks in the world.

In making this sale Mr. Roots recommends Mr. Fishel to all his old customers and to all who are in need of White Plymouth Rocks. His own dealing with Mr. Fishel and the fact that he has spent more money with him than any one man puts him in a position to know that he more than pleases his customers. In view of these facts, both Mr. Roots' ad in this issue and Mr. Fishel's ad will be especially good reading to all White Plymouth Rock breeders.

It is not out of place at this time to again note the great success of U. R. Fishel, who is known wherever White Plymouth Rocks are bred and in fact to all breeders of poultry in the country. He has a 120-acre farm devoted to this one breed, and with the addition of Mr. Roots' stock he now has 10,000 birds for his customers to select from. It is really only a few years since Mr. Fishel started in this business, but he has built up one of the largest and most complete poultry farms there is in the world, and his success is certainly a

stimulant and encouragement to those who are earnest in their endeavor to develop the poultry business and to place it on a high plane of business enterprise. His success is especially an encouragement to the beginner who may purchase from him, for no business of this magnitude could be built up to the point of success that it has attained without good business management and a conscientious and well defined plan of giving the best that can be had for the money.

Mr. Fishel's new 48-page catalogue is now ready and any reader of AMERICAN POULTRY JOURNAL sending three two-cent stamps will receive a copy of same by addressing U. R. Fishel, Box A, Hope, Ind.

WHITE LEGHORN CHICKENS.

A flock of pure bred poultry is always an object of particularly fascinating interest alike to the fancier and the amateur. A visitor to any of our great poultry shows is always delighted in seeing large numbers of splendid specimens of the various breeds which are on exhibition. We do not always realize the great amount of painstaking labor and the time which has been spent to bring these splendidly feathered beauties to such a degree of perfection. The prize winners, who carry off the blue ribbons in these contests do so because of the fact that they are the result of very careful breeding for many generations.

Poultry breeding has been developed along scientific lines to such an extent that our modern fancy and utilitarian breeds are the richest types of development in their respective classes.

Among the prominent breeders of this country who have become widely known for the excellency of their stock is Mr. S. E. Smith, of Norwich, N. Y. His specialty is Single Comb White Leghorns, and the product of his poultry yards are famous prize winners at all the leading shows where they are exhibited.

Single Comb White Leghorns are a favorite breed both among fanciers and market poultrymen. The birds not only have a showy appearance but are among the best producers of eggs and their flesh is fine flavored and excellent for table use. It is safe to say there are no better specimens of this breed to be found anywhere than those bred by Mr. S. E. Smith. Anyone

desiring to obtain either birds or eggs will do well to correspond with him. His address is Norwich, Chenango county, New York.

WAR ON INSECTS.

Although fly time is past, the necessity for exercising constant vigilance against the spread of vermin is still important. Mr. D. B. Smith, of Utica, N. Y., manufactures a line of sprayers which greatly facilitate a successful warfare against all such pests. His machine for spraying whitewash is certainly worth the attention of anyone who has use for such an article around poultry houses or other buildings. It provides a convenient and rapid method of applying the wash to every part of the structure in a most thorough and efficient manner. Anyone who is looking for a time and labor saver will certainly find it worth while to investigate this machine and to become familiar with its use.

Those who have used the Standard Fly & Lice Killer will appreciate the value of the Lightning Whitewash Sprayer, as it is called. Both of these machines are most convenient and useful appliances.

The Lightning Whitewash Sprayer can also be used for washing wagons, windows, etc. As it has considerable force and sprays twenty feet high, it may be used for spraying trees. The machine is nicely painted and has a neat and attractive appearance. Kindly mention this paper when answering Mr. Smith's advertisement, which will be found on page —.

A few years ago the plan of selling goods direct to the user at wholesale prices, freight charges prepaid, was not thought of. One of the first large concerns to adopt this plan that we can now think of was the Coiled Spring Fence Company, of Winchester, Ind. Ten years ago they started with a small capital, small factory and small business. Now they employ fifty-two people in their office, 150 people in the fence factory and 200 people in their wire mill. They sell fence on thirty days' trial, freight charges prepaid. It can be returned if not satisfactory. They say they can save anyone money on fence. It would be well for all fence users to write for their free catalogue, which fully describes their line and manner of doing business.

A Rare Opportunity for Fanciers

Desiring to devote more time and space to the development and perfection of my strains of Leghorns I have decided to offer for sale my entire flocks of

Partridge Wyandottes

Silver Penciled Wyandottes

Including all breeding pens, pairs, trios and single birds—reserving none; and if either variety is sold to one purchaser will sell also the name and good will of the **Cornell-Brackenbury-Wyckoff Strains**. Sale will include all of my **World's Fair prize winners**, all recent winners at Madison Square Garden, New York State Fair, Trenton Inter-State Fair and Hagerstown, 1905 Shows. These birds have a **world wide reputation** back of them.

I prefer to sell the flocks intact and will not consider offers for less than entire flock of either variety before Dec. 20, 1905. After that date, if flocks are not sold, will sell single birds, pairs, pens, trios or any combination. No better opportunity was ever offered to the fancier for obtaining a national reputation in poultry from the outset.

E. G. WYCKOFF

Box 106 C, Ithaca, N. Y.

**AT THE GREAT EASTERN SHOW,
NEW YORK CITY, NOV. 13-17,
1905.**

At this show White & Goodacre, of Watchung, N. J., the Orpington specialists, made a grand record on their birds, winning on their American-bred birds the following: 1st and 2d on S. C. Buff pens; 1st on R. C. Buff cock; 1st hen any other variety; 1st pullet any other variety; 1st and 2d S. C. Black pens; 1st S. C. White cock; 1st cockerel any other variety; 1st pen any other variety, and a number of specials.

These people are in a position to give their patrons and intending purchasers the best that is to be had in Orpingtons. They have a large number of very fine Buff cockerels now ready to ship, and as they send out only the best and at very reasonable prices, considering quality, our readers should correspond with them and get one of their handsome catalogues, which is free if you mention AMERICAN POULTRY JOURNAL. Their ad will be found elsewhere in this issue.

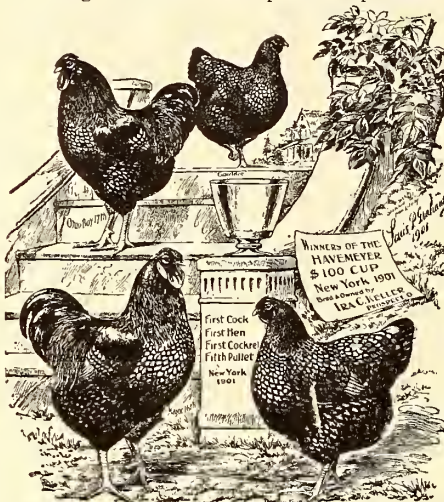
OLD INDIAN FASHIONS.

The American Indians used to grind their corn by pounding it between two stones. This work fell to the women. An up-to-date farmer would laugh at such an old-fashioned mill—would not have its primitive methods on his farm. Indians had no way of skimming their milk except to let it stand in something until what cream would rise came to the top. The women did the skimming as well as the milking. Of course, they lost sometimes as much as half the cream by such an unscientific method.

Some of the very farmers and dairymen who would laugh at an Indian mill are skimming their milk—and losing half their cream—just as the Indians did. Modern methods of skimming are as far ahead of the old method as modern mills are ahead of Indian grinding stones. The up-to-date skimming machine is the Sharples Tubular Cream Separator. It often doubles your dairy profits—skims the milk as soon as drawn from the cow—leaves fresh warm skim milk for young stock—requires that only the cream be put away. In use from

Maine to California—and far ahead of pans or cans. Ask the Sharples Separator Company for their plainly written, fully illustrated catalogue No. R. 205. Address them at West Chester, Pa., or Chicago, Ill., or Toronto, Can. They have large offices at each place.

Darling & Co. of Chicago, Ill., with a branch house at Long Island City, N. Y., are sending out their new poultry supply catalogue. This is a splendid specimen



Four Golden Wyandottes bred and owned by Ira C. Keller, Prospect, Ohio, that won the \$100 Havemeyer cup at Madison Square Garden for the four best Wyandottes in the show, all varieties. Also winning first cock, first hen, first cockerel and fifth pullet.

of printers' art as well as being a most complete catalogue of almost every possible want of the poultry raiser.

It is, no doubt, well known that Darling & Co. is one of Chicago's largest business houses, and when these people

take hold of any enterprise no money or pains is spared to give to their customers the best there is at the lowest possible price. For that reason the AMERICAN POULTRY JOURNAL readers will find this new poultry supply catalogue one of the most complete and attractive that has ever been sent out. Every possible want of the poultryman is supplied and the arrangement of the catalogue is such and it is so well illustrated with every poultry appliance that the buyer can quickly and intelligently make up an order for supplies, securing all that he needs with the least possible effort and at prices that make it of especial advantage to trade with these people.

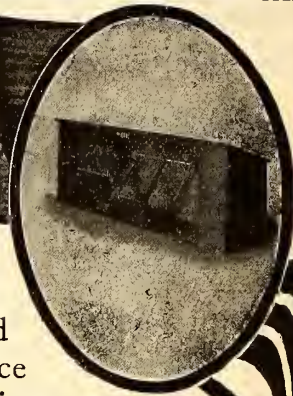
Geo. M. Kline of Downers Grove, Ill., has some White Wyandottes that are correctly bred, and are ideal in shape and color and absolutely white. Mr. Kline has bred these for good layers, and stock of his breeding has scored 96, having won at Chicago, Minneapolis, Naperville, Rockford, Princeton, Downers Grove and elsewhere since 1896. This excellence has come about through intelligent study of this variety by Mr. Kline for thirteen years.

In ordering stock from Mr. Kline he asks that you describe plainly what you desire and he knows that the price will be satisfactory, and that you will get full value received. He has now for sale several cockerels, but only a few females. Special egg orders should be booked now for future delivery, as the price is cheaper now than it will be later on, and his eggs are sold with a positive guarantee.

Mr. Kline is selling out his Bradley Barred Rocks, and has some especially fine cockerels, some of them having scored over 93 last year.

Mrs. A. J. Colvin, of Pearl, Ill., has for sale some excellent Barred Plymouth Rocks sired and grand-sired from first prize pen, and males at Madison Square Garden and Boston.

She is also having great success with her Bronze Turkeys, sired by Tom, weighing 40 pounds and a 45-pound grand-sire. She will be glad to correspond with any American Poultry Journal readers in regard to prices for both Barred Plymouth Rocks and Bronze Turkeys.

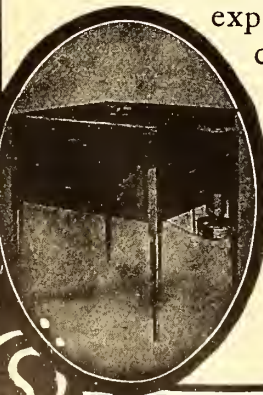


Can I help you to mature your plans for next season's poultry work? Is your laying stock properly housed to remain healthy, and are your feeding methods such as to produce profitable results? Are you going to rear any winter

Broilers or Roasters? There is money in this if handled right. I can tell you of methods that will produce profitable results. Simple methods that the beginner can follow with success, and methods that may help you—the experienced breeder. If at all in doubt on any point in poultry culture, tell me your plans and let me advise with you. If you contemplate the purchase of an incubator or brooder, do not fail to investigate the merits of the MODEL. They are high-class machines for practical work, and are guaranteed to give satisfaction. Catalog mailed upon request.

CHAS. A. CYPHERS

301 Henry Street, Buffalo, N. Y.



A COMBINED COOKER AND WATER HEATER

for practical poultrymen. Breeders everywhere recognize that cooked food makes quicker, earlier growth and larger size. This cooker is

\$5

A MONEY SAVER

It's built to give lasting satisfaction. Has No. 14 heavy galvanized steel boiler on cast iron base, burns either wood or coal—all parts separately cast. 20 gals. \$5; 35 gals. \$8; 50 gals. \$10; 100 gals. \$12. Send for our new, free catalog of cookers and other poultry supplies and appliances at money-saving prices.

Reliable Incubator & Brooder Co., Box A 1, Quincy, Ill.



\$4.88

By selling Gem Incubators and Brooders direct from our factory to you we save you the agent's big profits. That's why we can sell you the best incubator built—the

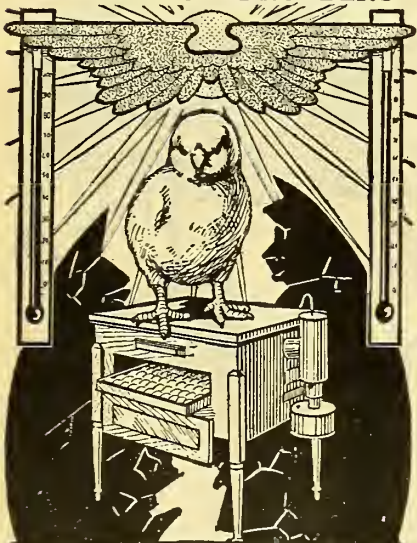
GEM INCUBATOR

for from \$4.88 up. You know what the GEM is—it's a proven hatcher, well built and guaranteed. Has a Removable Chick Tray and Nursery and many other desirable features not found in any other. Our catalog will save you some money if you are going to buy an incubator. Write for it today.

Gem Incubator Co., Box B, Trotwood, O.



The Mandy Lee INCUBATORS AND BROODERS



Almost all incubators hatch well sometimes—when outside conditions are favorable. But that's the trouble. Ideal hatching conditions seldom exist, which explains why one hatch is satisfactory and the next a failure. In the

"Mandy Lee"

all this is changed. Heat, ventilation and moisture—the three essentials to a successful hatch—all work together in harmonious combination, and are under PERFECT and SEPARATE control of the OPERATOR ALL THE TIME. You can make favorable conditions in The "Mandy Lee" when outside conditions are UNFAVORABLE. That's why it's the "perfect" hatcher any time or any place, and peculiarly adapted for success in the South.

New catalog tells how and why. Write for it today. New sizes, new prices. Our DIRECT CONTRACT HEAT CHICK Brooder was a winner from the start. It's "all there but the cluck."

Geo. H. Lee Co.,

1191 Harney St., Omaha, Neb.

A GREAT SALE OF BUFF LEGHORNS.

DILLSBURG, PA., Nov. 17, 1905.

This is to certify that we have sold to H. S. Smith, of Panawawa, Wash., 200 Buff Leghorns, the cream of our flock, including every St. Louis World's Fair winner we had or sold to anyone. Besides these, in yearling birds we sold him cocks and hens far better in quality than the World's Fair winners, and in cockerels and pullets by far the best lot we ever owned. Our honest opinion is that Mr. Smith now owns the most valuable flock of Buff Leghorns in the world, and as we believe that Mr. Smith is a man of honesty and integrity, we would refer all our customers to him.

ATG. D. ARNOLD.

Mrs. U. R. Fishel, Box A, Hope, Ind., resumes her Bronze turkey advertising in this issue. Mrs. Fishel writes that she has reared this season more and better Bronze turkeys than ever before.

At the great St. Louis World's Fair, her turkeys won 4th Old Tom; 1st, 2nd, 3rd, 6th and 7th Young Tom, 1st, 2nd, 5th and 6th Hen, 1st, 4th, 5th and 7th Pullet, and Silver Cup for best display in competition with the best Bronze Turkeys in the world. There never was such a display of Bronze Turkeys as was shown at St. Louis.

At Madison Square Garden, New York, 1905 she exhibited eighteen birds winning eighteen prizes: 2 firsts, 5 seconds, 6 thirds and 5 fourths. These winnings are undeniable proof regarding the excellent quality of her turkeys.

She has something like four hundred for sale, including splendid breeding Toms, both old and young, pairs, trios, breeding flocks and exhibition birds. If you send a 2-cent stamp to the above address, she will send her Turkey Catalogue.

Ira C. Keller of Prospect, Ohio, writes that he has the finest lot of young and old birds to spare this season that he has ever offered. His White Wyandottes are white with neat small combs, good legs, splendid shape and bay eyes, and he has the size. His Golden Wyandottes are wonderful in lacing that meets the new Standard, large oval lacing and wonderful color. He recently exported three consignments of Golden and White Wyandottes to Australia and two to New Zealand. His birds are of rare quality and sell at long prices.

Wilber Bros., of Petros, Tenn., won at the Alabama State Fair Poultry Show, October 21-26, 1905, as follows: Single Comb White Leghorns—1st cockerel, 2nd pullet, 2nd hen and 1st pen; F. J. Marshall, judge. The judging was by comparison and the new Standard used. The competition included exhibits from Alabama, Georgia, Mississippi, Kentucky, North Carolina, Tennessee and Ohio.

J. A. Leland, of Springfield, Ill., writes us that he is making a special offer of good strong Rose Comb White Leghorn cockerels for sale at about half their value to move quickly, as he needs the room for his pullets. He has just sold the first prize cockerel at the Illinois State Fair to an old customer at Pontiac, Ill.

B. M. Billings, of Oberlin, Ohio, breeder of White and Golden Wyandottes and Rhode Island Reds, writes that he has the finest lot of young stock as to quality that he ever raised. He has now, November 1st, cockerels up to weight and fit to win in strong competition.

At Lorain County Fair, held at Elyria, Ohio, he won every first on Rose and Single Comb Rhode Island Reds and first cockerel Golden Wyandotte and first pullet and second hen White Wyandottes.

J. A. Leland, of Springfield, Ill., won at the Illinois State Fair, 1905, on his Rose Comb White Leghorns as follows: 1st, 3rd cockerel, 3rd pullet, 3rd hen, 2nd pen, in strong competition.

Burton J. Holt of Pleasantville, Iowa, will on Jan. 1, 1906, take entire management of the Hunky-Dory Poultry Farm at Pella, Iowa, in which he also has an interest. They will breed White Plymouth Rocks exclusively.

Clement & Fike's White Wyandottes are gaining prestige not only in this country, but are gaining widespread reputation in foreign countries, having recently sold a high grade pen to a noted foreign prince.



40 BREEDS Fine, pure bred chickens, ducks, geese and turkeys, northern raised, hardy and very beautiful. Largest poultry farm in the Northwest. Fowls, eggs and incubators at low prices. Send 4c. for fine 70-page, 11th annual poultry book. R. F. NEUBERT, Box 84, Mankato, Minnesota.



LIGHTNING WHITEWASH SPRAYER NO. 28 Whitewash your poultry houses and stables easily, rapidly, with the "Lightning" Whitewash Sprayer. Kills lice and vermin. Can't clog. Also for spraying trees, washing wagons, etc. Double action pump. Sprays 30 ft. high. Has 3/4 in. heavy valves. All brass, \$3.50; Galvanized Iron, \$2.50. Cash with order. Exp. paid. Agents wanted. D. B. SMITH & CO., UTICA, N. Y.

300 BUFF ROCKS

I have that many choice "Nuggets" for sale this season, as I will not show this year. If you want winners or breeders I can fill the order. Largest winner at World's Fair, also State Cup winner. Satisfaction guaranteed.

H. P. MASON Buff Rock Specialist FAYETTE, MO.

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SPONGIA TABLETS

Prepared especially for the prevention and cure of

ROUP

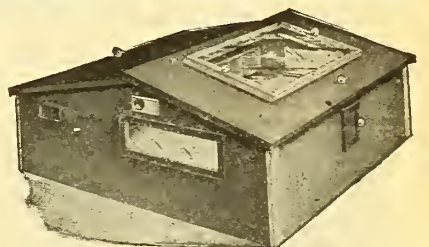
The Most Effective and Easily administered Remedy.

A combination of several homeopathic remedies calculated as a whole to effect cures of the different forms of Roup, each one of the remedies contained in the Tablets affecting one or more of the different forms, and none of them conflicting with the others. Thus the Tablets as a whole can be used with beneficial effect on any case of roup that has not reached a stage that is incurable. 35c. per box postpaid; 3 boxes, \$1. Liberal discount to agents and supply dealers.

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Hatch chickens. No experience necessary. Our large new Illustrated Catalogue of Incubators and Brooders and Poultry Information mailed free. Write to-day. Address

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\$100.00 IN CASH

Was won by Vanatta's S. C. White Leghorns at St. Louis World's Fair. At Chicago, January, 1904, I entered three cockerels in class of fourteen and won 1st, 3d and 5th cockerel. Choice breeding and exhibition cockerels, hens, pullets, trios and pens for sale cheap.
E. E. VANATTA, R. F. D. 8, Vandalia, Mo.

2500 R. C. and S. C. R. I. Reds for Sale

I am now booking orders for immediate delivery of 2500 fine youngsters at \$2.50 each. Single cockerels \$3. Also 100 one-year-old and two-year-old hens and cocks at same price. First come first served. Satisfaction guaranteed.

OLENTANGY POULTRY YARDS, **CHARLES C. REID, Mgr., Delaware, Ohio**
Vice-President Rhode Island Red Club.

Plane's S. C. White Leghorns

Have proven themselves worthy to be shown in any competition, customers all over the country getting the benefit of their **careful breeding**. Don't fail to get his prices and description of birds before purchasing elsewhere. Orders for exhibition receive the most careful attention. Score cards furnished if desired. Send for catalogue.

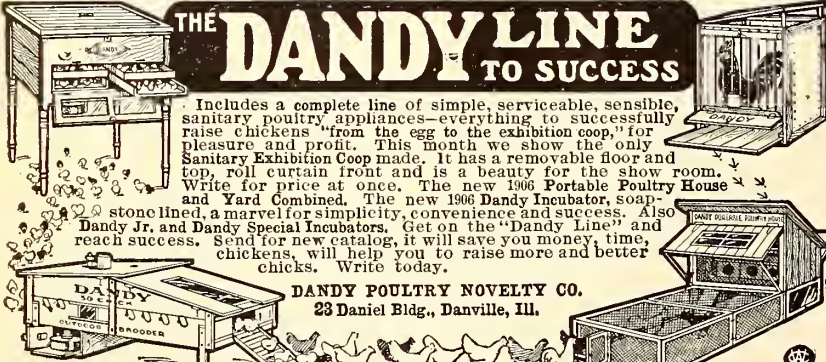
JOHN C. PLANE - **BELVIDERE, ILLINOIS**
Member National Single Comb White Leghorn Club.

MAKE YOUR POULTRY PAY.

It will not if you do not keep the lice down and feed a good, wholesome, balanced ration. Our Triumph Lice Remedies and Poultry Foods will make it easy sailing. Write today for circulars.

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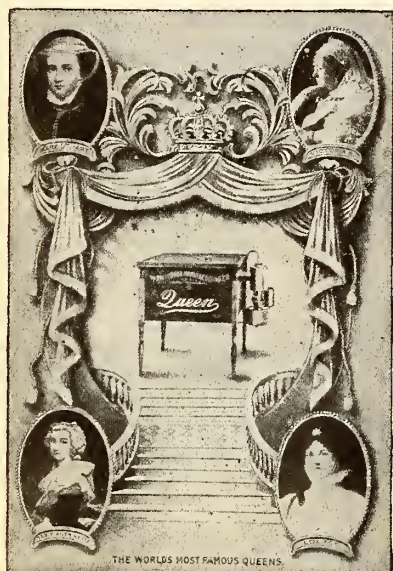
THE DANDY LINE TO SUCCESS

Includes a complete line of simple, serviceable, sensible, sanitary poultry appliances—everything to successfully raise chickens "from the egg to the exhibition coop," for pleasure and profit. This month we show the only Sanitary Exhibition Coop made. It has a removable floor and top, roll curtain front and is a beauty for the show room. Write for price at once. The new 1906 Portable Poultry House and Yard Combined. The new 1906 Dandy Incubator, soap-stone lined, a marvel for simplicity, convenience and success. Also Dandy Jr. and Dandy Special Incubators. Get on the "Dandy Line" and reach success. Send for new catalog, it will save you money, time, chickens, will help you to raise more and better chicks. Write today.

DANDY POULTRY NOVELTY CO.
23 Daniel Bldg., Danville, Ill.

THE LARGEST EGGS IN THE WORLD

Are not always laid by the hens that cackle the loudest, and the largest advertisements do not always denote the



BEST INCUBATOR

The money we might spend in showy advertising we use to better advantage in the material and construction of

"QUEEN" INCUBATORS and BROODERS

Our First Premium Blue Ribbons
from the Various State Fairs
Prove the Truth of this Assertion

Send for 1906 Catalogue describing Queen Incubators and containing full particulars of our Single Comb White Leghorns and White Wyandottes, how to raise Little Chicks successfully and other reliable information. Sent free postpaid.

Pinkerton Manufacturing Co.

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THE PRACTICAL TRAP NEST.

This nest is manufactured by the Wiseacres Poultry Farm, Croton-on-Hudson, N. Y. It is simple and cheap, and as the name implies, practical. By the use of trap nests you are enabled to keep an accurate record of the number of eggs each hen lays and also to tell the exact breeding of each specimen. Trap nests are coming into universal use and any of our readers who are contemplating purchasing trap nests should write Wiseacres Poultry Farm, Croton-on-Hudson, N. Y., for circular and prices.

The International Stock Food Company is coming to the front this year with an incubator and brooder that is bound to attract the attention of every practical poultryman in the country. For years it has been considered to be an impossibility to construct a square or oblong incubator and have an equal temperature in the corners, sides, ends and center, the same being taken from flat trays. The manager of their poultry supply department, Mr. N. C. Sprague, has been experimenting for the last ten years for overcoming the difficulties experienced by every other manufacturer. It now seems that success has crowned his efforts, for he has succeeded in building a hot-air machine that, under severe tests, proves that the temperature problem has been solved.

Mr. Sprague is not satisfied in telling of his achievements, but he demonstrates to interested people the fact that his claims are well founded. Together with overcoming the unequal heat problem, he has also gone quite deeply into the question of proper ventilation. The International Stock Food Company has issued a very valuable catalogue describing Jewel Incubators and Brooders, in



which will be found a very interesting and easily understood discussion on the question of ventilation.

This firm has a world-wide reputation for doing things right, and we confidently expect to see their line of incubators and brooders force themselves right to the front. The principles involved are of the greatest importance to every practical poultryman. Mr. Sprague's thorough knowledge of the subject of artificial incubation places him in a position for solving the questions that have been trying and perplexing in years past. We understand that Mr. Sprague has a few more surprises in store for the public, and our readers may expect to hear from his work almost any time. Experienced incubator operators are bound to appreciate the value of the new discoveries that will from time to time come from Mr. Sprague's work rooms. The International Stock Food Company carries a very large line of supplies, and our readers should have their catalogue. When writing for it, be sure to mention this paper.

Questions and Answers

Questions asked by subscribers will be answered in this department.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer in your next issue how to select Barred Plymouth Rock breeders for a cockerel mating, for pullet mating, also how to mate to produce both cockerel and pullets of good quality.

W. F. A.

Reelsville, Ind.

Answer:—We cannot answer questions of this character in this department as it would take too much space. Articles explaining these points are published from time to time.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Will you kindly answer in your "Question and Answer Department" the following: I am going to move during the winter from a flat to a house where I will have about 25 by 50 feet of ground to keep poultry. Which breed will do best on a small piece of ground like that? How many can be kept profitably on such a plot?

Does a difference in color in the Wyandotte make any difference in their laying quality?

R. D. H. D.

Hackensack, N. J.

Answer:—Any of the American class,

such as Rocks, Wyandottes, etc. About 50 fowls will be enough on this amount of space. The color of plumage has nothing to do with the laying qualities.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—As I am a reader of your valuable journal, would like to know the standard weight of W. & B. Minorcas, also R. I. Reds. I have raised a few of these varieties this year but do not know the standard weights of them. A. E. W.

Minneapolis, Minn.

Answer:—Minorcas—cock, 9 lbs.; hen, 7½ lbs.; cockerel, 7½ lbs.; pullet, 6½ lbs. R. I. Reds—cock, 8½ lbs.; hen, 6½ lbs.; cockerel, 7½ lbs.; pullet, 5 lbs. For S. C. White and Rose comb Black Minorcas, the weight is one pound less.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—I would like to have your opinion in "Questions and Answers" to the following:

I had a nice 5-months old W. Wyandotte pullet seemingly in good health, and one morning shortly after leaving the roost she appeared to stumble in her

haste to reach the feed-trough, and apparently lost control of her legs. At noon she was still lying in the sun and when I went to catch and examine her she floundered around and turned a complete somersault. I gave her a dose of castor oil, but she didn't improve, so I used the axe on her. A post mortem revealed all the organs in splendid condition, but at the top of the heart were 8 or 10 small clots of dark blood, each about the size and shape of a kernel of wheat and hardened. What was the disease, and what the cause.

J. J. F.

Ypsilanti, Mich.

Answer:—The fowl had evidently been injured in some way, which caused the blood clots around the heart and which brought on the condition you describe.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer the following questions in your next issue: 1. I killed a hen a short time ago and found eggs in her about as big as a pea and smaller. How many weeks before she would lay if I had not killed her? 2. As I am going to keep full-blooded stock is this the time to kill the mongrels?

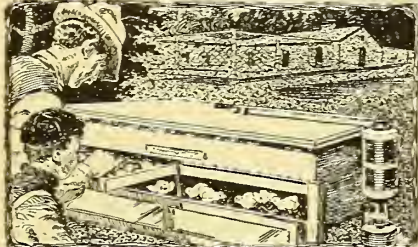
Plattsburgh, N. Y.

E. M. C.

Answer:—It is impossible to tell how long before she would lay. She might lay in two weeks and maybe not for two months. Much would depend on feed and care given. 2. Yes.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Would you please publish in your next issue what this trouble can be: I have two S. C. B. Minorca pullets that have eruptions on their heads right at the base of the comb and on the base



THE

American Incubator

is the hatcher you want because it is built to hatch more and stronger chicks than any other machine made. We have no fine spun theories to tell you about, no marvelous inventions—nothing but simple, practical hatching features. Your one aim is

PROFITABLE RESULTS

and we guarantee that you can get these results quicker, easier and with more certainty with an American Incubator than any other machine.

Because it keeps the eggs that are put into it just at the right temperature all the time, day and night, week after week. It can do that because it has the best lamp and heating system ever devised. It has five thicknesses of wall so that no heat can escape and it has an automatic regulator that really does regulate. It has the only ventilating system that supplies the egg chamber with fresh air constantly without cooling the eggs.

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because we know that it will more than fulfill our claims. Construction, material and workmanship, all illustrated and described in our

LARGE FREE CATALOGUE.

Sent postpaid on request. It is full of just the information you need to succeed. It lists our complete line of poultry supplies.

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10 Mrs. St., Freeport, Illinois.



To Raise Chicks for Profit

get right down to a business basis at the start and buy the incubator that will give you the best returns for your money.

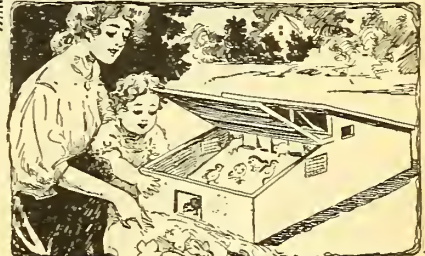
Don't be influenced by theory, don't consider appearances, don't look to anything but Results. The all important thing is to get the machine that you can control, that you can depend upon in the way of keeping the temperature in the egg chamber at exactly the correct point, not too hot or too cold. And see that ample provision has been made for thorough ventilation along natural, common sense lines.

You can't fail to succeed if your machine is right in these two features.

The same principles apply to brooders, only more. In a brooder you've got to consider roominess and cleanliness as well as heat and ventilation.

Read the description of the American Incubators and Brooders on either side of this column. Notice the experience that has been put into them. Above all things, notice the guarantee that goes with them, which is backed by the great factory and all the capital of the manufacturers. That protects you against loss, disappointment, discouragement. Now, from a businesslike standpoint, looking at it from a dollars and cents point of view: can you afford to speculate or experiment when an absolute certainty like this offer comes your way? We leave it to your good judgment.

Send for the book which will put you on the right track regarding all poultry matters. It is sent free, postpaid, to all those interested.



The American Brooder

Raising the chicks you hatch is where the big end of the profit lies. Put them in an American Brooder and raise them all. It is guaranteed to raise a larger per cent of strong, vigorous chicks than any other brooder and you can be the judge.

Sold on 90 DAYS TRIAL,

and if it is not perfectly heated, regulated, ventilated, roomy, convenient and economical of fuel, send it back and get your money. It is heated by hot air, the only natural, safe way and the heat circulates from the top down to the chicks as nature intended. No crowding, no tramping. Two compartments—a hatching and exercising room. Opens from the top, easy to clean and proof against dampness and vermin.

American Incubators and Brooders grew out of 29 years of practical experience in hatching and raising thoroughbred poultry. We are still in the poultry business, operating the largest thoroughbred poultry plant in the country.

Send for free catalog of incubators, brooders and thoroughbred lowls and eggs, illustrating and describing everything the poultry raiser needs at very lowest prices.

AMERICAN INCUBATOR COMPANY,
10 Mrs. St., Freeport, Illinois.



of the comb, also on eyelids. Inclosed drawing will show where the eruptions are located. The lower end of the wattle is swollen and looks rough and puckered. Their faces are also swelling. Their eyes are watery and their combs and faces are losing color. Hoping this is sufficient explanation for an answer, I remain,

Milwaukee, Wis. M. F. A.

Answer:—Chicken pox. Read answer to H. O. C. in this issue.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—I would thank you to answer the following questions in your next

too small or too narrow perches, which compel the fowls to grasp them tightly in order to maintain their position. This firm grasp continued night after night affects the circulation of the part of the foot that comes in contact with the perch. More or less irritation and inflammation is set up and results in swelling and thickening of the skin. This same condition may be produced by birds jumping from high perches onto a hard floor. The perches should be broad and flat and should be placed at a proper height from the floor. The affected birds should be treated by paring off the thick-

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please tell me in your next issue of journal what is the matter with my chickens, the cause and remedy. Have always prided ourselves on our flock being free from disease and lice, but within last week or so there has appeared among our half-grown chicks (no old ones have it) a disease which we have never seen or heard of before and cannot find any one so far who can help us out. It seems to start either in front or back of eye, with a hard, dry scab appearing lump about the size of a pea, and in one or two days' time will be



Ira C. Keller's (Prospect, Ohio) first prize White Wyandotte breeding pen at New York.

issue. I recently purchased a trio of S. C. Black Minorcas, all of which have a large corn on the bottom of their heel. What is the cause of this and what should be done to remove these corns and how long will it take? Would this affliction bar these birds from a show room? What is an effective remedy for sore head?

Marshall, Tex.

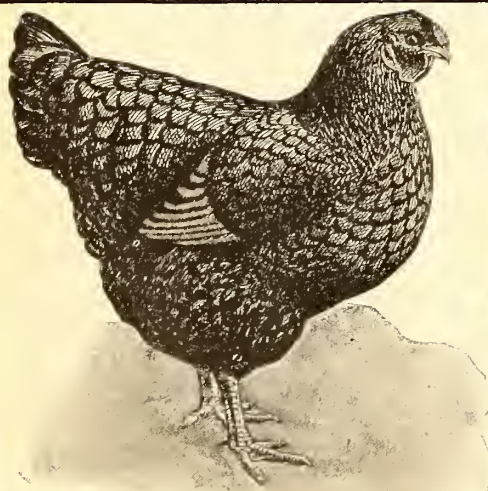
J. S. M.

Answer:—Corns are usually caused by

ened epidermis, without causing bleeding, and applying boric acid ointment or painting the part with tincture of iodine. This would not bar them from a show, but the judge would probably cut them pretty heavily. The application of sulphur ointment twice a day will generally effect a cure in sore head in a short time, and is considered one of the best and cheapest remedies.

swelled out as large as half the size of the head, the eye bursting and the opening being the outlet of a thick, dry sort of pus; does not run out, just seems to grow out of eye opening.

We take all we see get it and grease them with carbolated vaseline and keep them from the other chickens. They get well in a few days but only have one eye. Those we have noticed in the first stages



COMING EVENTS!

If you want to be among the winners at the leading shows and feel sure you have the kind that will win, let me have your order.

I have succeeded in raising more good birds this season than ever before, and I can furnish winners for any kind of company, also line-bred breeding birds that will produce high-class youngsters. I have for sale something over 2000 Silver, Golden and White Wyandottes, G. S. and S. S. Bantams. No use to look for better, they don't grow them. If you only knew just how many of the BIG SHOW winners came from my yards each season you would then be convinced that

JONES, THE WYANDOTTE MAN

furnishes the foundation of more good flocks than any breeder IN THE WORLD. That is why my STRAIN is conceded

THE STRONGEST BLOOD LINES ON EARTH

No use for me to try to tell you here how many times they have won and at how many national shows. It would take half the pages of this journal, but send four cents in stamps for my handsome 36-page catalogue, printed in colors and containing many half-tones of the best Wyandottes that ever lived; full of valuable information on feed, care and how to mate for best results; a book worthy a place in any library. Don't fail to get a copy.

Imported and American Bred Scotch Collie Dogs
Three Blue Blooded Litters Now Ready to Ship

R. E. JONES, THE PINES

R. F. D. 5, PADUCAH, KY., U. S. A.

and have used vaseline on would not have the swelling, but in two or three days the hard dry scab would come off. This does not affect their eating in the least, as they eat quite heartily. Our chickens have a run of 75 by 150 feet. Have a warm dry place to roost which we clean every week and fumigate quite often.

We feed corn, whole and cracked, oats, wheat and barley, and a hot mash three or four times a week made from peelings and scraps from table cooked and thickened with bran. What is the matter with them and what causes it, as I want to remove the cause if possible.

Morgan Park, Ill. A. J. M.

Answer:—Your fowls have chicken-pox, which is further aggravated by the fowls getting a severe cold. When fowls get in the condition you describe it is better to cut their heads off. Chicken-pox itself is easily cured. Place the afflicted birds in a warm dry room and wash the affected parts with warm, soapy water until the crusts become soft and can be removed without causing the blood to flow, after which dry thoroughly with a soft piece of flannel; then apply carbolated vaseline or sulphur ointment. Two or three treatments of this character usually effect a cure. In order to thoroughly stamp out this disease you should disinfect your yards and houses with a 10 per cent solution of carbolic acid.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Our chickens are sick; and as we have tried almost every remedy we have heard of, and still they are sick, I will ask you for your opinion and advice. The disease commenced in August 3 years ago and we have had it later each year since. It lasts about two months. This year, about three weeks ago it commenced. They have colds in nostrils and eyes—white, ropy stuff, smells bad; eyes swell; knots on head, sometimes; then they have yellow sores in corner of mouth, in throat and windpipe; then they have sores the size of a pea on comb, gills and head, rather dry and hard. Of the first two they often get over, but canker seldom. When we first had it our chickens roosted in open sheds and house of boards and lots of cracks. Those that have it once never have had it again; we have tried to keep everything sanitary about the place.

Please advise us as to cause and remedy. H. M. H.

Norman, Okla.

Answer:—The hatchet is the only remedy we can recommend for your fowls. You have kept on year after year breeding from diseased fowls and have weakened the constitution of your flock to such an extent that the least change in the atmosphere causes them to take cold and this rapidly develops into roup and kindred diseases. Our advice is to market every fowl that does not show signs of disease and to kill and burn



First cockerel and first pullet, Detroit, 1905. Bred and owned by H. H. & E. M. Coburn, Memphis, Mich.

all those that are diseased. Then thoroughly clean and disinfect all your houses and runs and then procure entirely new blood and start all over.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Will you kindly answer these questions in your next issue and oblige? I have some early hatched Leghorn Pullets that have been laying for two months, and the last week I have been working around their house until noon every day, and the second or third day they quit laying. I only get one or two eggs now. Do you think my disturbing them was the cause for their stopping

and do you think they will start again this winter? I have noticed one of these same pullets pass four worms 3 or 4 inches in length, about the size of a knitting needle and white. What is the cause of this and is there a remedy for it? I consider these pullets have had the best of cars. J. B.

Waukegan, Ill.

Answer:—We do not think that your working around the house caused the pullets to stop laying, although if you had occasion to move them from one pen to another that would probably stop them for a few days. They will probably start laying again in a short time. Worms are usually caused by the feeding of too much meat. A few drops of turpentine usually cleans worms out in short order.

Editor AMERICAN POULTRY JOURNAL.

Dear Editor:—Will you please inform me through your Question and Answer columns the color of Partridge Cochins when first hatched? Are they brown all over, or do they have two stripes of brown on back same as Brown Leghorns? R. H. A.

Belchertown, Mass.

Answer:—When hatched Partridge Cochins resemble Brown Leghorns, except they are of a lighter shade.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer in next issue of AMERICAN POULTRY JOURNAL—1. Which make the best broilers, White Wyandottes or White Plymouth Rocks? 2. I would like a rat proof floor in my poultry house. Which would you advise, cement or boards? F. A. M.

Du Bois, Pa.

Answer:—1. There is very little to choose between the two breeds. 2. Cement is the only rat-proof floor obtainable.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer these few questions in your next issue: 1. What is the cause of hens making a piping noise, and they also make a noise as if it was hard to breathe, and sometimes they run away from their feed. 2. Does milk have the effect to keep them loose, and is milk sour or sweet as good as beef scraps where they are out and have plenty of grass and grit? 3. What is

A JEWEL

THE FIRST OF ITS KIND

For the first time in the history of Incubator building has it been possible to build a square machine with FLAT TRAYS and have an equal temperature in the CORNERS, ENDS, SIDES and CENTER.

THE JEWEL DOES THE TRICK.

Ventilation under the control of the operator every moment. Safe and perfect regulation. Improved nursery and every convenience necessary to do successful work.

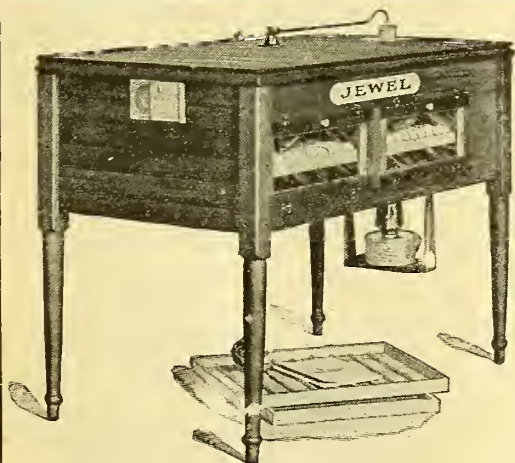
THE JEWEL IS THE GREATEST TRIUMPH IN INCUBATOR BUILDING.

The most successful and easiest operated machine known. The Jewel hatches big, strong, vigorous chicks, the kind that delights the poultryman's eye.

Our new Catalogue gives full information. It is too important to overlook it. We carry a full line of Poultry Supplies.

Poultry Supply Department, Box E

INTERNATIONAL STOCK FOOD CO. MINNEAPOLIS, MINN.



This is the Only Machine that Heats Equally.

ORR'S COLLIE DOGS

are a wonderful help in the poultry business—good day and night. Some beautiful puppies now at \$10 each. Booklet free.

T. E. ORR Box 807, Beaver, Pa.

OUR FAMOUS Flock of Fowls

Bred from winners at World's Fair and other large shows. Always among the winners wherever shown. Write today, state just what you want and get low prices. Leading varieties. Satisfaction.

CLOVER VALLEY POULTRY YARDS Whitewater, Wis.

219—Egg Strain—219

Barred Plymouth Rocks

Large and Prolific laying strain. 250 of my pullets averaged 219 eggs in one year. An extra lot of cockerels and pullets for sale. Good enough for the winter shows and bred for eggs. Write for circular to

WM. J. DAVIS, R. R. 1, Eaton, Indiana



"HIGHLAND" GIANT BRONZE TURKEYS are America's greatest winners. During the last two years they have won more prizes than any other strain in America. Winning at Pittsburg, Johnstown, Hagerstown, and other Eastern shows. 291sts, 23 2ds and 17 3ds. Hundreds of fine healthy ones with giant size and brilliant color from \$5 up. A trial will convince you that we guarantee them as represented. BIRD BROS.

Box C, Meyersdale, Pa.

Trees, Plants & Seeds THAT GROW

Best quality. Good bearers. Low prices. Apple 4c; Plum and Cherry 12c; Peach 4c; all budded; Concord Grapes 2c; Forest Tree Seed. Rings \$1 to \$1000 up. **GERMAN NURSERIES** Carl Sonderegger, Prop. seeds very cheap. Freight paid on trees. Catalogue, logne, English or German, free. Write for it today. Address **GERMAN NURSERIES**, Box 14 Beatrice, Neb.

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50 GOOD HENS

are better than 100 of "fair average." In every 100 there are many only average and some very poor layers. Why keep them? It's feed and care wasted. Put good layers in their place. Just as easy to have all profit makers.

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is to the poultry business what the Babcock Milk Tester is to the dairy. You can select every good layer and detect every poor one. Choose cocks that will breed good layers. A perfect system of selection and breeding evolved through many years study and experiment. Any one can apply it to his own profit in his own business. No cost if you find it not satisfactory. Write for particulars.

THE WALTER HOGAN COMPANY, 17 Nat'l Bank Bldg., Fergus Falls, Minn.

the cause when their combs turn purple and they die? Is there any remedy? 4. Do we feed right? We have 100 chickens and fowl. We feed for morning 3 quarts of oats and wheat mixed; at noon we give the chicks two quarts of food, as a mash, but not to the hens; at night we give them all corn. Twice a week we give the hens a little over a quart of food in the morning. Is that enough to help them lay, as they are about through molting? 5. How much should a Wyandotte cockerel and pullet weigh each, for show purposes? T. M. W.

West Scarborough, Me.

Answer:—1. A cold. Give each bird a teaspoonful of lard and kerosene twice a day for three or four days. 2. Milk should not produce this effect. Milk is splendid for fowls, but for best results beef scraps should also be fed. 3. This is usually liver trouble. Give one of Carter's Little Liver Pills once a day for three days. If taken in time this usually effects a cure. 4. Unless your fowls have free range where they can pick up considerable feed, you do not feed enough. For 100 head you should feed at least 8 quarts, and for best results fowls should be fed three times a day. We have got good results from the following: In the morning, feed boiled oats, mixed to dry crumbly state with bran and clover meal or alfalfa meal; also add beef scraps or beef meal. At noon whole wheat, scattered in the litter; at night, corn, oats and wheat mixed, unless the weather is very cold, when we give them a full feed of whole corn. 5. Cockerel, 7½ lbs.; pullet, 5½ lbs.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer in your next issue the following question: I had a Barred Plymouth Rock hen that had a hard bunch in the bowels; did not sit in a natural position, but sat tipped back. I killed her and on opening found the bunch was the gizzard, which had got out of place. Will you kindly explain, if possible, cause and give remedy, if there is any. C. B. M.

Lyndonville, Vt.

Answer:—This was probably caused by injury of some character or by the hen becoming over-fat. There is no remedy for this trouble.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please let me know through the next issue of your poultry journal if sorghum seed and kaffir corn are good feed for hens. J. F. F.

St. Joseph, Mo.

Answer:—The two seeds are very good for fowls when fed in combination with others grains, such as wheat and oats.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer the following questions through the Question and Answer columns of the AMERICAN POULTRY JOURNAL. What difference is there between the Buff and the Bourbon Red Turkeys, in regard to color, markings, weight, etc. J. W. M.

Smithboro, Ill.

Answer:—Buff Turkeys and what some people call Bourbon Reds are one and the same. The Standard only recognizes the Buff Turkeys.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—I would like to ask through your valued paper what caused the death of one of my best White Plymouth Rock cockerels. I was feeding them as usual

Premium Stock Poultry Yards

Fertile EGGS 15 for \$1

from my best pens of Barred, Buff and White Plymouth Rocks, Single Comb White and Brown Leghorns, Black Minorcas and Partridge Wyandottes. Stock for sale at all times.

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Carbondale, Ill.

Mrs. Hill's W. Langshans

won more premiums at World's Fair, St. Louis, Mo., than all the other White Langshan breeders combined. This winning at the world's greatest poultry show entitles my birds to the title of "The World's Best." I can supply you with eggs from my best at \$3 per 15 straight.

Mrs. J. S. Hill

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Two big Chicago shows—eight first prizes. Stock to spare at right prices. Eggs for hatching. Write for particulars.

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They are dying. You're discouraged. You're losing money.

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How to prevent treat and cure **FREE**

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All pain in any disease is nerve pain, the result of a turbulent condition of the nerves.

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Dr. Miles' Anti-Pain Pills rarely ever fail to relieve these pains by soothing these larger nerves, and restoring their tranquility.

Dr. Miles' Anti-Pain Pills leave no bad after-effects, and are a reliable remedy for every kind of pain, such as headache, backache, stomachache, sciatica, rheumatism and neuralgia.

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Dr. Miles' Anti-Pain Pills are sold by your druggist, who will guarantee that the first package will benefit. If it fails he will return your money. 25 doses, 25 cents. Never sold in bulk. Miles Medical Co., Elkhart, Ind

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J. R. HUDSON, HARDIN SPRINGS, KY.

We have saw samples of Mr. Hudson's printing. It is very nice and he is perfectly honest—EDITOR.

in the morning and all seemed to be enjoying their breakfast, when almost instantly and apparently without pain, or cause, one of my nicest and most promising cockerels fell over dead. As I am an amateur and a subscriber of the AMERICAN POULTRY JOURNAL, I take the liberty to ask through your Question and Answer column what caused the death of this chicken.

R. R. A.
Norwood Park, Ill.

Answer:—Cases of this kind are very rare and it is almost impossible to tell the cause. Of course, it is an affection of the heart of some character, but it is impossible for us to say what brought it about.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—Please answer through your Questions and Answers Department. We have a Barred Rock hen molting. She eats good, yet in eating it hurts her and causes her to cough. They have free range, good dry coop and scratching shed. We feed cracked corn, oats, bran mash and soaked bread. Kindly tell me what the trouble is and the remedy for it.

N. J. E.
Buffalo, N. Y.

Answer:—Your hen is evidently affected with bronchitis. There are a great many remedies for this, and we believe that the inhaling of steam is about the best. This is done by holding the head of the fowl over a kettle of boiling water and letting the fowl breathe the warm steam. A few drops of carbolic acid added to the water is recommended by some writers. The vapor from burning tar is also good. This is done by placing a hot brick in the roosting room and pouring the tar on it. The fumes from this will be inhaled by the fowls on the roost, and is very beneficial in cases of this character.

Editor AMERICAN POULTRY JOURNAL.

Dear Sir:—I have a B. P. R. cockerel that has sores on his head, one in corner of mouth, at base of comb, on the wattles, and on one eye. The one on the eye has healed and has grown the eyelids together. The sore seems to be in sections like a wart. Can you tell what it is, cause and cure? If I should open the eye, what could I do to prevent the lids from growing together again?

H. O. C.
Zanesville, Ohio.

Answer:—Your cockerel has chicken-pox. Wash the sores with warm, soapy water until crust is soft enough to remove without causing the blood to flow, after drying thoroughly with a soft woolen cloth, apply carbolated vaseline or sulphur ointment.

CERTIFICATE OF SALE.

This is to certify that we have sold the Silver Penciled Wyandotte cockerel, winner of first prize at Madison Square Garden, New York, 1905, to Edward Oyster, of Strawberry Ridge, Pa. Also four excellent hens of the best quality. Excellent results must come from this pen.

AUG. D. ARNOLD.
Dillsburg, Pa.
November 17, 1905.

CERTIFICATE OF SALE.

This is to certify that we have sold to John A. Jackson, of McKeesport, Pa., the first prize Silver Penciled Wyandotte cock at Madison Square Garden, New York, 1905. With him ten excellent hens. The cock is the best shaped Silver Penciled Wyandotte male we ever saw, and great results should come from this mating.

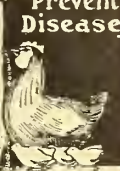
AUG. D. ARNOLD.
Dillsburg, Pa.
November 7, 1905.

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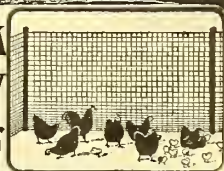
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Light Brahmas at Cedar Rapids:—1st, 2d cocks, 1st, 4th hens, 1st, 2d cks., 1st, 2d, 4th pullets, 1st pen, sweepstakes cup. At Iowa State Fair, 1st cock, 1st, 2d hen, 1st, 2d ckl., 1st, 2d pullets, 1st pen of fowls, 1st pen of chicks.

Partridge Wyandottes at Cedar Rapids:—1st, 2d cocks, 2d, 3d, 4th hens, 1st, 2d, cks., 1st, 2d, 3d pullets, 1st pen, sweepstakes cup. At Iowa State Fair, 1st cock, 2d hen, 1st, 2d cks., 1st, 2d pullets, 1st pen. I can furnish you fine exhibition stock and elegant breeders at moderate prices. Everything carefully pedigreed. Let me know what you want. I am sure I can please you.

DR. N. E. MIGHELL
Oak Bluff, Ave. A, Marshalltown, Ia.

Poultry Show Dates For 1905-6.

[We would be pleased to have the Secretaries of poultry show notify us of any errors or changes in the following list, as it is our desire to make this as near correct as possible.]

- Dec. 4-8—Marshalltown, Iowa. Hewes, judge; H. C. Hansen, secretary, 608 E. Church St.
Dec. 4-8—Lancaster, Mo. W. S. Russell, judge; Brice Hays, secretary.
Dec. 4-9—Owensboro, Ky. W. C. Pierce, judge; D. O'C. Dougherty, secretary.
Dec. 4-6—Hampshire, Mass. D. J. Lambert, judge; W. B. Drury, secretary.
Dec. 5-6—Greenfield, Mass. Crangle, judge; B. Buffum Noyes, secretary, 84 Federal St.
Dec. 5-7—Jackson, Mich. Travis, judge; C. W. Krooz, 220 Mansion street, secretary.
Dec. 5-8—Portland, Me. Smith, Hawkins, Atherton, Coffin, judges; A. L. Merrill, secretary, Auburn, Me.
Dec. 5-8—Auburn, Me. Smith, Hawkins, Atherton, Coffin, judges; A. L. Merrill, secretary.
Dec. 5-8—Waverly, Iowa. A. B. Shaner, judge; B. L. Burbank, secretary.
Dec. 5-8—Rising Sun, Ohio. Ira C. Keller, judge; Merle Rearick, secretary.
Dec. 5-8—Leominster, Mass. Atherton, Shove, Hawkins, Woodward, judges; L. D. Mudgett, secretary.
Dec. 5-8—Walden, N. Y. Drevendstedt, judge; H. W. Millsbaugh, secretary.
Dec. 5-8—Huntsville, Ala. Marshall, judge; John L. Hay, secretary.
Dec. 5-8—Palmira, Mo. C. H. Rhodes, judge; Maude Bloomer, secretary.
Dec. 5-8—New London, Iowa. H. L. Pedrick, judge; F. L. Clawson, Box 134, secretary.
Dec. 5-9—Springfield, Mass. Felch, May, Shove, Delano, Pence, Watson, Ballou, Card, judges; L. S. Evans, secretary, 243 Worthington St.
Dec. 5-9—Brookfield, Mo. Heck, judge; Dr. J. S. Hill, secretary, Purdin, Mo.
Dec. 5-9—Bethany, Ill. S. B. Lane, judge; Walter Roney, secretary.
Dec. 5-9—Emporia, Kan. Atherton, Dudley, judges; D. M. May, secretary-treasurer.
Dec. 5-9—Providence, R. I. Ballou, Watson, Ball, May, Rowland, Twombly, judges; W. J. Brown, 6 Exchange Place, secretary.
Dec. 5-9—Wilkesbarre, Pa. J. C. Kriner, judge; D. T. Miller, 880 S. Franklin St., secretary.
Dec. 5-10—Newton, Kan. Southard, judge; S. R. Behler, secretary.
Dec. 6-8—Owosso, Mich. Tucker, judge; Bert Lovett, secretary.
Dec. 6-8—Adams, Mass. John J. Caley, secretary.
Dec. 6-8—Sand Creek, Okla. Fite, judge; C. L. Bickerdike, secretary.
Dec. 6-8—Paterson, N. J. Stanton, Huyler, judges; James Handford, 452 E. 23rd St., secretary.
Dec. 6-9—Alameda, Cal. Dixon, Hinds, judges; C. A. Tracy, secretary.
Dec. 6-9—Taylorville, Ill. Rigg, judge; James Hunter, secretary.
Dec. 6-9—Waco, Tex. G. Knebel, judge; J. R. Davis, secretary.
Dec. 6-9—Youngstown, Ohio. T. E. Orr, judge; Charles E. Watwood, secretary.
Dec. 6-9—Craig, Mo. Shellabarger, judge; E. A. Kellogg, secretary.
Dec. 6-9—Carlisle, Pa. Cornman, Minnick, judges; Geo. L. Hoffman, secretary, 52 W. Louthier St.
Dec. 6-9—Stewartville, Minn. Holden, judge; L. G. Tubbs, secretary-treasurer.
Dec. 6-9—Middletown, Ohio. Hornung and Simpson, judges; C. E. Colwell, secretary.
Dec. 6-11—Macomb, Ill. McClave, judge; Fred Yetter, secretary.
Dec. 7-9—Marshall, Tex. Savage, judge; K. A. Powers, secretary.
Dec. 7-9—Lacon, Ill. Heimlich, judge; John Watt, secretary.
Dec. 7-9—Crookston, Minn. Rankin, judge; R. C. Kirsch, secretary.
Dec. 7-12—Stannbery, Mo. Russell, judge; Robert Larmer, Ravenwood, Mo., secretary.
Dec. 8-9—Elgin, Tex. R. A. Davis, judge; A. J. Jarmon, secretary.
Dec. 11-15—Davenport, Iowa. James A. Tucker, judge; J. P. Voss, secretary.
Dec. 11-16—Oconomowoc, Wis. Fr. Heck, judge; Dr. H. J. Larson, secretary.
Dec. 11-16—Warren, Ill. Shellabarger, judge; B. L. Wright, secretary.
Dec. 11-16—Fort Wayne, Ind. T. E. Orr, judge; Philip A. Heller, secretary.
Dec. 11-16—Rochester, Minn. George D. Holden, judge; Louis E. Nietz, secretary.
Dec. 11-16—Dwight, Ill. Ben S. Myers, judge; H. A. Wood, secretary.
Dec. 11-16—Ottawa, Ill. Rapp, judge; C. O. Deist, secretary.
Dec. 11-16—Lohrville, Iowa. Shaner, judge; J. C. Ashton, secretary.
Dec. 11-18—Elwood, Ind. S. B. Lane, judge; S. W. Swihart, secretary.
Dec. 12-14—Milford, Mass. J. P. Remich, secretary.
Dec. 12-14—Falmouth, Mass. I. K. Felch, judge; R. E. Small, secretary.
Dec. 12-15—Quincy, Mich. McClave, judge; A. L. Massey, secretary.
Dec. 12-15—Monroe, N. C. Marshall, judge; T. F. Dillon, secretary.
Dec. 12-15—Salem, Ore. C. D. Minton, secretary.
Dec. 12-15—Birmingham, Ala. Johnston, judge; Charles Barber, 216 Twentieth street, secretary.
Dec. 12-15—Flint, Mich. T. E. Orr, judge; F. P. Wildman, secretary.
Dec. 12-15—Farragut, Iowa. Todd, judge; W. S. Roberts, secretary.
Dec. 12-15—Eau Claire, Wis. Rankin, judge; R. C. Burgar, secretary.
Dec. 12-15—Roland, Iowa. A. A. Anderson, judge; Ed. Osmundson, secretary.
Dec. 12-15—Bonaparte, Iowa. Householder, judge; Albert M. King, secretary.
Dec. 12-16—Chicago Heights, Ill. Greer, judge; Harry Neath, secretary.
Dec. 12-16—Temple, Tex. Savage, judge; Mrs. W. E. Matthews, secretary.
Dec. 12-16—Decatur, Ill. Lane, judge; P. L. Stevenson, secretary.
Dec. 12-16—Lawrence, Kan. Atherton, judge; John Manwaring, secretary.
Dec. 12-16—Clarinda, Iowa. W. S. Russell, judge; Brady Ustick, secretary.
Dec. 12-16—Chariton, Iowa. Pedrick, judge; J. O. Becker, secretary.
Dec. 12-16—Waverly, Iowa. B. L. Burbank, secretary.
Dec. 12-16—Kirkville, Mo. Hewes, Rhodes, Emry, judges; H. P. Mason, Fayette, Mo., secretary.
Dec. 12-16—Loveland, Colo. Heimlich, judge; J. P. Newman, secretary.
Dec. 13-15—Kingston, N. Y. Drevendstedt, judge; F. E. Miller, Rifton, N. Y., secretary.
Dec. 13-15—Hamden, Conn. Nichols, judge; W. W. Gale, secretary.
Dec. 13-15—Bristol, Tenn. D. M. Owen, judge; R. L. Cannon, secretary.
Dec. 13-16—McCune, Kan. J. S. Hughes, judge; H. I. Dolson, secretary.
Dec. 13-16—Blandon, Pa. Wittman, Litzenger, Snyder, judges; E. G. Wilkinson, secretary.
Dec. 13-16—San Diego, Cal. Herbert M. Stiles, R. F. D. 1, secretary.
Dec. 13-16—Beverly, Mass. Lambert, Watson, Flanders, Atherton, Edwards, judges; D. P. Foster, secretary.
Dec. 13-16—Corsicana, Tex. Savage, Davis, judges; C. E. Papworth, secretary.
Dec. 13-16—Holland, Mich. Chas. McClave, judge; L. S. Sprietsma, secretary.
Dec. 13-16—Brocton, Mass. Graves, Atherton, Bryant, Wheeler, Forbes, Benson, Rogers, Smith, judges; G. S. Hutchinson, secretary.
Dec. 13-16—Princeton, Ill. Shellabarger, Rapp, judges; Frank R. Bryant, secretary.
Dec. 13-17—Belleville, Ill. Campbell, judge; D. O. Thomas, secretary.
Dec. 13-17—Jacksonville, Ill. D. T. Heimlich, judge; L. O. Vaught, secretary.
Dec. 14-16—Rutherford, N. J. W. J. Stanton, C. M. Smith, judges; E. J. Irwin, secretary.
Dec. 14-16—Vevay, Ind. Theo. Hewes, judge; E. Dangle, secretary.
Dec. 15-16—Downers Grove, Ill. Harra, Dietz, Kline, judges; Geo. M. Kline, secretary.
Dec. 15-21—Atlanta, Ga. Marshall, Johnston, judges; C. O. Harwell, secretary.
Dec. 16-19—Fresno, Cal. R. J. Venn, Ben Woodhull, judges; George R. Andrews, secretary.
Dec. 17-23—Sullivan, Ind. McClave, judge; C. A. Beasley, secretary.
Dec. 18-21—Colorado Springs, Colo. Heimlich, judge; W. S. Trowbridge, Box 511, secretary.
Dec. 18-21—Iowa Falls, Iowa. A. B. Shaner, judge; N. S. Curtis, secretary.
Dec. 18-21—Odebolt, Iowa. Tucker, judge; E. P. Hartman, secretary.
Dec. 18-22—Montgomery, Ala. Johnston, judge; L. D. Teasley, secretary.
Dec. 18-22—Beresford, S. D. J. E. Redding, secretary.
Dec. 18-22—Humeston, Iowa. W. S. Russell, judge; George W. King, secretary.
Dec. 18-22—Long Branch, N. J. E. C. Wainright, secretary, Little Silver, N. J.

POULTRY SHOW DATES—CONTINUED.

- Dec. 18-22—Parsons, Kan. Emry, Thompson, judges; A. E. Blaker, secretary.
 Dec. 18-22—Watertown, S. D. Rose E. Sanford, secretary.
 Dec. 18-23—Concord, N. H. H. C. Shaw, secretary, Milford, N. H.
 Dec. 18-23—Columbus, Neb. Rhodes, judge; W. H. Swartsley, secretary.
 Dec. 18-23—Haubstadt, Ind. Ben S. Myers, judge; D. T. MacClement, 1024 Powell Ave., Evansville, Ind., secretary.
 Dec. 18-23—Hazleton, Pa. J. E. Anderson, secretary.
 Dec. 18-23—Thorntown, Ind. Pierce, judge; S. F. Cones, R. F. D. 3, secretary.
 Dec. 19-21—Woonsocket, R. I. Ball, Shove, judges; E. W. Cook, secretary, Slatersville, R. I.
 Dec. 19-22—Bedford, Iowa. Shellabarger, judge; W. M. Jackson, secretary.
 Dec. 19-22—Frankfort, Ky. Theo. Hewes, judge; John H. Cassell, secretary.
 Dec. 19-22—Ponca City, Okla. M. S. Fite, judge; J. Flem Smith, secretary.
 Dec. 19-22—Manchester, N. H. Lambert, Ballou, May, judges; F. H. Balch, secretary; C. H. Tobie, assistant secretary.
 Dec. 19-22—Albany, Ore. Dixon, judge; Claud W. Yunk, secretary.
 Dec. 19-22—Columbia, Tenn. Marshall, judge; R. S. Hopkins, secretary.
 Dec. 19-22—Cuba, N. Y. George H. Swift, secretary.
 Dec. 19-22—Montezuma, Iowa. A. L. Pedrick, judge; E. C. Bond, secretary.
 Dec. 19-23—Cattlin, Ill. C. F. Ryerly, secretary.
 Dec. 19-23—Cisco, Tex. Savage, judge; A. H. Johnson, secretary.
 Dec. 19-23—Mohnsville, Pa. Cornman, judge; George W. Hatt, Mohn's Store, Pa., secretary.
 Dec. 19-23—Seattle, Wash. Holden, judge; C. McAllister, secretary.
 Dec. 20-22—Clarksburg, W. Va. T. E. Orr, judge; W. H. Lewis, secretary.
 Dec. 20-22—Cleveland, Tenn. A. J. Lawson, secretary.
 Dec. 20-23—Hastings, Mich. Butterfield, judge; R. Henry Mitchell, secretary.
 Dec. 20-23—Streator, Ill. Shellabarger, judge; E. R. Schurman, secretary.
 Dec. 21-22—W. Brookfield, Mass. Lambert, judge; E. L. Richardson, secretary.
 Dec. 21-23—Weeping Water, Neb. Rhodes, judge; W. W. Davis, secretary.
 Dec. 21-23—Wakita, Okla. Emry, judge; E. M. Garrett, secretary.
 Dec. 25-27—Gordonville, Mo. D. T. Heimlich, judge; G. S. Summers, secretary.
 Dec. 25-30—Mankato, Minn. Holden, judge; J. W. Kollmann, 501 N. Second St., secretary.
 Dec. 25-30—Kalamazoo, Mich. James A. Tucker, judge; J. S. Carr, secretary.
 Dec. 25-30—Pleasantville, Iowa. Russell, judge; Rev. A. B. Adams, secretary, Altoona, Iowa.
 Dec. 26-29—Marietta, Ohio. H. A. Emmel, judge; A. I. Spencer, secretary, Parkersburg, W. Va.
 Dec. 26-29—Meriden, Conn. Drevensdt, judge; W. H. Baldwii, secretary.
 Dec. 26-29—Fremont, Neb. Todd, judge; W. H. Haven, secretary.
 Dec. 26-29—Davenport, Neb. Atherton, judge; L. L. Slagel, secretary.
 Dec. 26-29—Ravenna, Ohio. Ben S. Myers, judge; Harry Beck, secretary.
 Dec. 26-29—Duulap, Iowa. Shellabarger, judge; L. K. Moore, secretary.
 Dec. 26-30—Lansing, Mich. F. W. Travis, judge; J. A. Turner, secretary.
 Dec. 26-30—Aberdeen, Miss. S. T. Lea, judge; A. Brannin, secretary.
 Dec. 26-30—Gallatin, Mo. F. M. Parker, secretary.
 Dec. 26-30—Beatrice, Neb. H. C. White, secretary.
 Dec. 26-30—Duluth, Minn. Theodore Hewes, judge; H. E. Edmunds, secretary.
 Dec. 26-30—Oregon, Ill. W. C. Pierce, judge; L. H. Valentine, secretary.
 Dec. 26-30—Flora, Ind. A. D. Wood, secretary, R. F. D. 2.
 Dec. 26-30—Wichita, Kan. McClave, judge; N. M. Odell, secretary.
 Dec. 26-30—Lititz, Pa. Stanton, Bean, Cornman, judges; J. W. Bruckart, secretary.
 Dec. 26-30—Newark, Ohio. S. B. Lane, judge; Ed. Larason, secretary.
 Dec. 27-29—East Palestine, Ohio. Early, Feil, judges; William Haight, secretary.
 Dec. 27-29—Freeport, Me. Lambert, Watson, Bartlett, judges; Geo. P. Coffin, secretary.
 Dec. 27-29—Guthrie Center, Iowa. Warnock, judge; J. O. Morgan, secretary.
 Dec. 27-30—East Greenville, Pa. Theodore Wittman, judge; C. A. Mack, secretary.
 Dec. 27-30—Crown Point, Ind. W. C. Pierce, judge; J. J. Steeb, secretary.
 Dec. 27-30—Ashland, Ohio. Hill, judge; W. A. Mason, secretary.
 Dec. 27-30—Winfield, Iowa. A. B. Shaner, judge; Russell Canby, secretary.
 Dec. 27-30—Sycamore, Ohio. B. E. Martin, secretary.
 Dec. 28-30—Plymouth, Mass. Atherton, Smith, judges; F. C. Chandler, secretary, Kingston, Mass.
 Dec. 27-Jan. 1—Tacoma, Wash. Dixon, Collier, judges; Mrs. C. A. Pratt, 3203 South Seventh street, secretary.
 Dec. 28-30—Clay Center, Kan. Rhodes, judge; M. B. Caldwell, secretary.
 Dec. 28-30—Eldorado, Ill. D. T. Heimlich, judge; Warren Sloan, secretary.
 Dec. 29-Jan. 2—Toronto, Can. R. Durston, secretary.
 Dec. 30-Jan. 1—Wallingford, Conn. Nichols, Card, judges; William J. Hogan, 28 William street, secretary.
- 1906.**
- Jan. 1-5—Jackson, Mo. Rhodes, judge; C. Behrens, secretary.
 Jan. 1-6—Elgin, Ill. McClave, judge; M. E. Meredith, secretary, 631 Congress St.
 Jan. 1-6—Montpelier, Ind. S. B. Lane, judge; L. L. Howard, secretary.
 Jan. 1-6—Hamilton, Ohio. I. K. Felch, judge; A. W. C. Hoffman, secretary.
 Jan. 1-6—Goshen, Ind. Ellison, Mulineux, judges; J. A. Zollinger, secretary.
 Jan. 1-6—Palestine, Ill. Theodore Hewes, judge; O. H. Smith, secretary, Eaton, Ill.
 Jan. 1-6—El Reno, Okla. C. A. Emry, judge; V. B. Allee, secretary.
 Jan. 1-6—Nashville, Tenn. Marshall, Brown, judges; John A. Murkin, Jr., secretary.
 Jan. 1-7—Russville, Ind. J. C. Long, judge; A. J. Biesecker, secretary.
 Jan. 1-7—Webster City, Iowa. Butterfield, judge. Fred Hahne, secretary.
 Jan. 2-4—Greenfield, Iowa. Pedrick, judge; Mrs. S. E. Alley, secretary.
 Jan. 2-4—Thompson, Iowa. Todd, judge; E. R. Alquist, secretary.
 Jan. 2-5—Waxahachie, Tex. A. B. Shaner, judge; C. T. Spaulding, secretary.
 Jan. 2-5—Austin, Minn. W. G. Warnock, judge; J. S. Wood, secretary.
 Jan. 2-6—Leipsic, Ohio. T. E. Orr, judge; H. S. Enck, secretary.
 Jan. 2-6—New York, N. Y. H. V. Crawford, secretary, Montclair, N. J.
 Jan. 2-5—Lynn, Mass. Shove, Flanders, Watson, Atherton, judges; Charles E. Hunt, 157 Maple street, secretary.
 Jan. 2-6—Olney, Ill. D. T. Heimlich, judge; E. E. Dalton, secretary.
 Jan. 2-6—Storm Lake, Iowa. Shellabarger, judge; D. J. Willett, secretary.
 Jan. 2-7—South Omaha, Neb. A. Thompson, judge; William H. Sloane, secretary.
 Jan. 2-7—Danville, Ill. Russell, Tucker, Heck, Pierce, Heyl, Joos, judges so far selected; O. L. McCord, secretary.
 Jan. 2-8—Adrian, Mich. Tucker, Mullinix, judges; J. E. Holroke, secretary.
 Jan. 3-6—Point Marion, Pa. Wick Hathaway, judge; H. C. Davis, Van Voorhis, W. Va., secretary.
 Jan. 3-6—Cambridge, Ohio. D. J. Lambert, judge; James C. Sarchet, 231 N. Eighth St., secretary.
 Jan. 3-8—Lima, Ohio. E. Helser, secretary.
 Jan. 4-6—Zion City, Ill. Hewes, judge; C. L. Greer, secretary.
 Jan. 5-6—Ripley, W. Va. Phil Feil, judge; H. W. Deem, president.
 Jan. 5-6—Oakland, Ill. D. T. Heimlich, judge; V. W. Annin, secretary.
 Jan. 6-12—Detroit, Mich. Heck, Tucker, judges; John R. Wood, 69 Larned St. E., secretary.
 Jan. 8-12—Sioux Falls, S. D. Holden, judge; Stacy S. Metcalf, secretary.
 Jan. 8-12—Mattoon, Ill. T. M. Campbell, judge; C. L. Carney, secretary, Charleston, Ill.
 Jan. 8-13—Monmouth, Ill. Chas. McClave, judge; S. L. Hamilton, secretary.
 Jan. 8-12—Ann Arbor, Mich. Tucker, Hewes, judges; George R. Cooper, 1118 E. Ann St., secretary.
 Jan. 8-12—Minonk, Ill. George A. Heyl, judge; R. H. Parks, secretary, Benson, Ill.
 Jan. 8-12—Augusta, Ga. S. T. Lea, judge; J. W. Killingsworth, secretary.
 Jan. 8-13—Polo, Ill. A. B. Shaner, judge; J. A. Davison, secretary.

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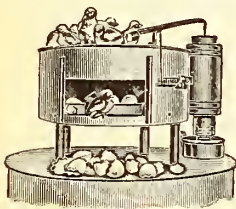
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POULTRY SHOW DATES—CONTINUED.

- Jan. 8-13—Evansville, Ind. W. C. Pierce, R. H. Young, judges; H. J. Reimer, 113 Heinlein Ave., secretary.
 Jan. 8-13—Denver, Colo. Russell, Rhodes, judges; Fred H. Hunt, secretary, 4139 Stuart street.
 Jan. 8-13—Rochester, N. Y. Delano, Quilhot, Janson, judges; Geo. J. Keller, secretary, 723 Mt. Hope Ave.
 Jan. 8-14—Earlham, Iowa. Pedrick, judge; F. Bilderhack, secretary.
 Jan. 8-14—Chilton, Wis. Ben S. Myers, judge; A. Stransky, secretary.
 Jan. 8-15—Los Angeles, Cal. Mrs. O. H. Burbridge, 2080 West Adams street, secretary.
 Jan. 9-11—Sehring, Ohio. Ira C. Keller, judge; M. J. Stevens, secretary.
 Jan. 9-12—Peterboro, N. H. May, A. F. Pierce, judges; F. G. Field, secretary.
 Jan. 9-12—Middletown, Conn. Nichols, Card, Lowe, judges; George D. Hastings, secretary.
 Jan. 9-12—Oak Harbor, Ohio. Yant, Mullinix, judges; L. L. Carstensen, secretary.
 Jan. 9-12—Dallas, Tex. Brown, Kuebel, Purdy, judges; E. Beeman, secretary.
 Jan. 9-12—Lexington, Ill. A. C. Le Duc, judge; Wm. Stickler, secretary.
 Jan. 9-13—Greenfield, Ohio. Sites, judge; C. S. Parrett, secretary.
 Jan. 9-13—Topeka, Kan. D. T. Heimlich, judge; J. W. T. Hughes, secretary.
 Jan. 9-13—Lake Geneva, Wis. F. Heck, judge; F. M. Higgins, secretary.
 Jan. 9-13—Naperville, Ill. D. J. Lambert, judge; E. M. Schwartz, secretary.
 Jan. 9-13—Findlay, Ohio. Phil. Fell, judge; Clark Parker, secretary.
 Jan. 9-13—Enid, Okla. J. W. Hitchcock, judge; I. W. Scherich, 1723 Monroe St., secretary.
 Jan. 9-15—Portland, Ore. Browning, Dixon, Wilkinson, judges; J. C. Murray, secretary, E. 14th and Wygant St.
 Jan. 10-12—Fulton, Mo. Emry, judge; F. M. Hereford, president.
 Jan. 10-13—Chattanooga, Tenn. W. F. Murray, secretary.
 Jan. 10-13—Montpelier, Ohio. McCord, judge; J. C. Storrer, secretary.
 Jan. 10-13—Tiffin, Ohio. Charles McClave, judge; V. Crahtree, secretary.
 Jan. 10-13—Newcomerstown, Ohio. Theodore Hewes, judge; Frank D. Mulvane, secretary.
 Jan. 10-13—Edon, Ohio. Sites, judge; John Gearhart, secretary.
 Jan. 10-15—Painesville, Ohio. Rigg, judge; F. G. Johnson, secretary.
 Jan. 10-16—Bloomington, Ill. W. C. Pierce, judge; J. H. Rader, secretary, 602 N. Center St.
 Jan. 10-16—Tipton, Ind. J. C. Long, judge; John Langan, secretary.
 Jan. 11-15—Olean, N. Y. R. A. Conkling, secretary.
 Jan. 11-13—Sharon, Pa. Bicknell, judge; John S. Leslie, secretary.
 Jan. 12-16—Allegan, Mich. W. H. Warner, secretary.
 Jan. 15-20—Martinsville, Ind. Myers, judge; C. O. Abbott, secretary.
 Jan. 15-20—Pontiac, Mich. D. Thomas, secretary.
 Jan. 15-20—Lincoln, Neb. Russell, Ellison, Southard, Larson, judges; L. P. Ludden, secretary.
 Jan. 15-20—Canton, Ill. D. T. Heimlich, judge; Leigh Harris, secretary.
 Jan. 15-20—Delavan, Wis. Tucker and Johnston, judges; W. E. Peffer, secretary.
 Jan. 15-20—Portland, Ind. S. B. Lane, judge; Charles McFarland, secretary.
 Jan. 15-20—St. Joseph, Mo. Thompson, Rhodes, judges; E. L. McDonald, secretary.
 Jan. 15-20—Oshkosh, Wis. Charles McClave, D. J. Lambert, judges; Frank W. Radford, secretary.
 Jan. 15-20—Rockford, Ill. F. Heck, judge; Charles S. Gilbert, secretary.
 Jan. 15-20—Dubuque, Iowa. Shaner, judge; W. Bullen, secretary.
 Jan. 15-20—Scranton, Pa. Drevenstedt and others, judges; R. E. Weeks, secretary.
 Jan. 15-20—Kansas City, Mo. Fairchild, Fite, Wale, judges; P. H. DeFree, 932 Jackson avenue, secretary.
 Jan. 16-19—Nunda, Ill. A. B. Shaner, judge; George H. Prickett, secretary.
 Jan. 16-19—Dalton, Mass. I. K. Felch, judge; William H. Griswald, secretary.
 Jan. 16-19—Fostoria, Ohio. Eugene Sites, judge; Charles Mann, secretary.
 Jan. 16-20—Cincinnati, Ohio. Rigg, Hewes, Orr, Shepherd, judges; Thomas J. Foy, secretary.
 Jan. 16-20—Charlottesville, N. C. H. P. Schwab, judge; W. B. Alexander, secretary.
 Jan. 16-20—Evanston, Ill. Nathaniel F. Wehh, secretary, Wilmette, Ill.
 Jan. 17-20—Salt Lake City, Utah. Shellabarger, judge; Thomas J. Fanning, secretary.
 Jan. 17-24—Frankfort, Ind. Myers, judge; John K. Pence, secretary.
 Jan. 18-21—Mauitowoc, Wis. Ellison, judge; F. C. Borchardt, Jr., secretary.
 Jan. 18-22—Auharn, N. Y. Stanton, Quilhot, Webb, Riddell, Hallenbeck, King, judges; J. H. Scott, secretary.
 Jan. 19-23—Albert Lea, Minn. Charles McClave, judge; R. B. Thompson, secretary.
 Jan. 22-25—Salamanca, N. Y. C. H. Miller, secretary.
 Jan. 22-26—LaCrosse, Wis. Theodore Hewes, judge; Henry J. Hahu, secretary.
 Jan. 22-27—Chicago, Ill. Fred L. Kimmey, secretary, Room 520, 325 Dearborn St.
 Jan. 22-27—Sheldon, Ill. McCord, judge; C. L. Butler, secretary.
 Jan. 22-27—Springfield, Ohio. J. H. Schaefer, secretary, 35 Gotwald Bldg.
 Jan. 22-27—Huron, S. D. A. B. Shaner, judge; E. M. Thomas, secretary.
 Jan. 22-28—Milwaukee, Wis. W. S. Russell, G. D. Holden, judges; C. G. Loeher, 1717 Walnut street, secretary.
 Jan. 23-25—Charleston, W. Va. Sites, judge; G. C. Starcher, secretary, Berlin, W. Va.
 Jan. 23-27—Geneva, Ohio. Phil Fell, judge; W. H. King, secretary.
 Jan. 23-29—Saginaw, Mich. Tucker, judge; Ed Foehl, secretary.
 Jan. 23-30—Minneapolis, Minn. Butterfield, Holden, Hewes, D. E. Hale, judges of poultry; May, judge of pigeons; Geo. A. Loth, Box 47, secretary.
 Jan. 24-26—Pittsfield, Mass. R. T. Kent, secretary.
 Jan. 24-27—Angola, Ind. Lane, judge; W. K. Sheffer, secretary.
 Jan. 24-28—Harrisburg, Pa. John R. Gore, secretary, Royalton, Pa.
 Jan. 25-27—Paxton, Ill. W. H. Surface, secretary.
 Jan. 25-29—Mooresville, Ind. Charles McClave, judge; C. L. Hallam, secretary.
 Jan. 26—Rochelle, Ill. Chas. McClave, judge; Geo. W. Guest, secretary.
 Jan. 26-Feb. 3—Kankakee, Ill. Butterfield, judge; E. P. Vining, secretary, Hospital, Ill.
 Jan. 27-Feb. 1—Detroit, Mich. Butterfield, Tucker, Bloss, judges; Geo. Renton, secretary.
 Alva T. Baker, 1723 Summit St., secretary.
 Jan. 29-Feb. 3—Cleveland, Ohio. McClave, Hewes, Orr, Sites, Rigg, Donkin, judges; F. L. Gruhl, 1922 Woodland Ave., secretary.
 Jan. 29-Feb. 3—Oklahoma, Okla. M. S. Fite, judge; T. E. Shaw, secretary.
 Jan. 29-Feb. 3—Newark, N. J. T. Farrer Rackham, secretary, East Orange, N. J.
 Jan. 29-Feb. 3—Bradford, Pa. Keller, judge; E. L. Jones, corresponding secretary.
 Jan. 30-Feb. 3—Mitchell, S. D. W. S. Russell, W. C. Ellison, judges; William Scallin, secretary.
 Jan. 30-Feb. 3—Schenectady, N. Y. I. L. Whitmyre, secretary.
 Jan. 31-Feb. 3—Columbia City, Ind. Tucker, judge; W. F. Rossman, secretary.
 Jan. 31-Feb. 3—Cresco, Iowa. George D. Holden, judge; John M. Davis, secretary.
 Jan. 31-Feb. 3—Hudson, Mich. Tucker, Boies, Mullinix, judges; L. S. Brown, secretary.
 Jan. 31-Feb. 3—Oelwein, Iowa. Shellabarger, judge; J. R. Perry, secretary.
 Jan. 31-Feb. 5—Toledo, Ohio. Hewes, McClave, Myers, Shepard, Mullinix, Stanfield, judges; Feb. 1-6—Canton, Ohio. C. P. Bruce, secretary.
 Feb. 1-7—Dayton, Ohio. C. C. Davidson, secretary.
 Feb. 4-10—Indianapolis, Ind. Burgott, McCord, Tucker, Myers, Lane, Lanus, Pierce, Hewes, judges; E. A. Pierce, secretary.
 Feb. 5-10—Walla Walla, Wash. McClave, judge; J. A. Levy, secretary.
 Feb. 5-11—St. Paul, Minn. Russell, Ellison, judges; H. J. Goetter, secretary.
 Feb. 5-11—Shelby, Ohio. Phil Fell, judge; W. O. Smith, secretary.
 Feb. 8-10—Johnstown, Pa. Bicknell, judge; J. W. Wirt, secretary.
 Feb. 14-18—Norwalk, Ohio. McClave, judge; T. P. Kellogg, secretary.
 Feb. 15-20—Dubuque, Iowa. A. B. Shaner, judge; C. H. Gregoire, secretary.
 Feb. 16-20—No. Baltimore, Ohio. McClave, judge; G. R. Smith, secretary.
 Feb. 19-24—Pittsburg, Pa. McClave, Butterfield, George O. Brown, judges of poultry; G. F. Erbe, A. J. Edwards, judges of pigeons; G. C. Sutch, 4 Lydia St., secretary; J. M. Skiles, superintendent.

AMERICAN BREEDERS' ASSOCIATION.

Breeders are naturally divided into four classes: the breeders of horses, the breeders of other domestic animals, the breeders of poultry, and the breeders of poultry, and the breeders of poultry. Now, I am a knocker, I suppose, according to Mr. Morse's article, but I have the facts to show for what I say and am open to conviction if the readers of plants. The one object of all is the highest degree of excellence. Each class has particular points of excellence for which it works. The laws of heredity are the same for all, but each studies chiefly those which are involved in its own sphere, to the neglect of others which might greatly aid it.

All breeders may again be divided into two general classes, the scientists, and practical men—the men whose mode of life and point of view are those of the scholar, and those who, by force of mind and muscle and the knowledge of a few facts obtained in the field, strive for concrete results. In this division too, each class has a knowledge of facts which the other has not.

For some time the American Association of Agricultural Colleges and Experiment Stations has had in view the idea of bringing all these classes together so that each might have the benefit of the knowledge and experience of all the others. Accordingly, on Dec. 29, 1903, pursuant to a call issued by it, forty or fifty gentlemen, interested in the improvement of plants and animals, met in St. Louis to organize an association of plant and animal breeders. Thus was formed the American Breeders Association, with the following officers: President, Hon. James Wilson, secretary of agriculture, Washington, D. C.; vice-president, Hon. L. H. Kerrick, Bloomington, Ill.; secretary, Prof. W. M. Hays, assistant secretary of agriculture, Washington, D. C.; treasurer, Prof. Oscar Erf, Manhattan, Kansas.

The second meeting was held at Champaign, Ill., February 1, 2 and 3, 1905. The sessions were held in Morrow Hall in the Agricultural Building of the University of Illinois.

At both of these meetings there were given a number of interesting and instructive addresses by leaders in the different branches of breeding. The report of these two meetings is given in a very neat cloth bound book of 144 pages, 6x9 inches, and the book itself is well worth the annual membership fee.

In the classified list of over 700 charter members, there appears the names of only 17 poultry breeders. My object in writing this is that in the next annual report the list may be much enlarged. We cannot afford to stay out. Send your name and address, state your line of breeding, and enclose one dollar, to W. M. Hays, Secretary American Breeders Association, Washington, D. C. C. G. POLLOCK, Blair, Neb.



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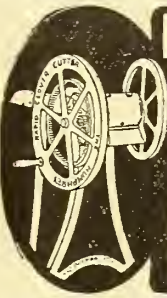
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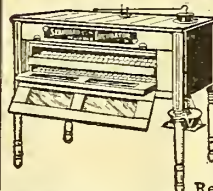
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PURCHASE Black and White Langshans that are standard silvery white. Celebrated winners in largest competition. Superior stock reasonable. Birds to 95½. George Bealer, Nicholasville, Ky. 11-3

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HERE WE ARE AGAIN with the best S. C. Brown Leghorn blood and strain in America. Have fine pullets and cockerel for sale ret. Also setting eggs in season at reasonable price. Write for circular and price list to Hellam Hillside Poultry Farm, R.R. No. 2, Wrightsville, Pa. 12-6

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WHITE MINORCAS—At the greatest Chicago Show ours won 1st, 2d, 3d pen, 1st cock, 1st, 2d, 3d, 5th cockerel, 1st, 3d, 4th, 5th pullet, 2d, 3d, 4th, 5th hen and 2 silver cups. Magnificent show birds, breeders and imported stock for sale. S. A. McWilliams, 3456 Michigan Ave., Chicago, Ill. 3-1f

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ROSE AND SINGLE COMB COCKERELS, \$2.00 and up; trios, \$5.00 and up. Wagner Bros., Ann Arbor, Mich. 12-3

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COOK STRAIN Single Comb Buff Orpingtons. First prize winning stock. Ed Lyharger, 32 Mack Ave., Shelby, Ohio. 11-3

CLOSING OUT about 30 White Orpingtons, young and old birds, World's Fair and Cincinnati winners. Trios, \$7.00 to \$15.00. C. N. Hansen, Warsaw, Ky., Pres. National S. C. R. I. Red Club. 12-1

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RHODE ISLAND RED.

CHIEF OSHKOSH STRAIN Single Comb Rhode Islands Reds. Stock bred from my World's Fair prize winners. A few cockerels and pullets for sale, \$2 to \$5 each. Walter E. Holmes, Oshkosh, Wis. 11-3

FAIRVIEW POULTRY YARDS—Cockerels from Red winners. J. S. Walker, Palestine, Ill. 10-4

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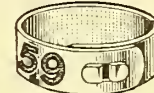
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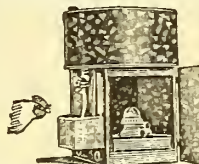


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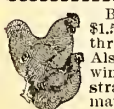


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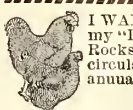
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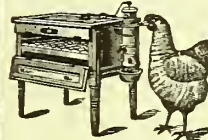
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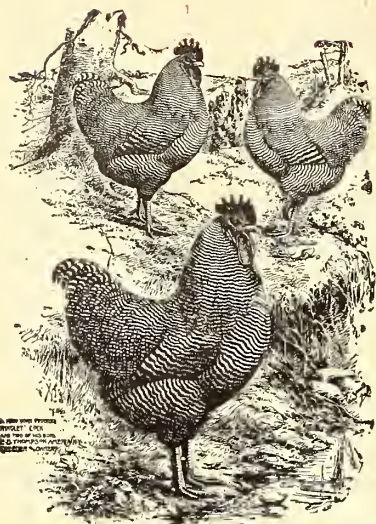
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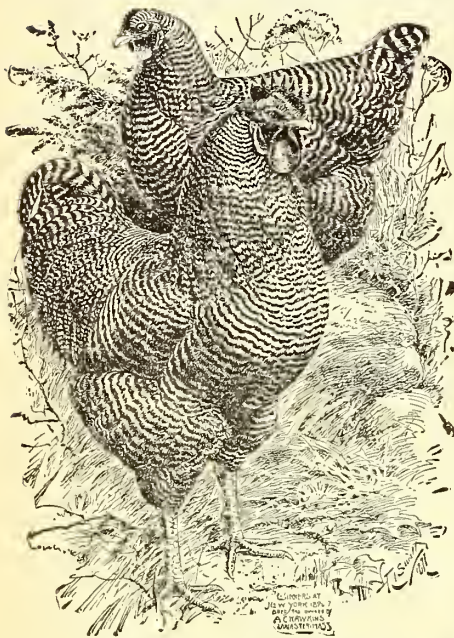
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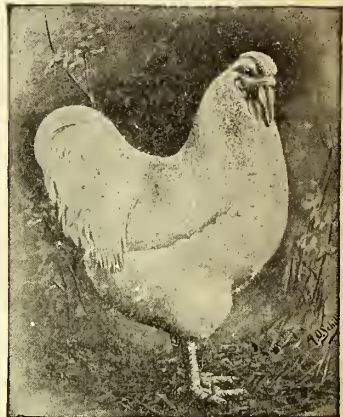
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Nunda, 1902—1st cock, 2d cockerel, 2d, 3d hen, 2d, 3d pullet, 2d, 3d pen, \$35 gold sweepstakes.

Chicago, 1903—2d pullet, 4th hen, 4th cock, 4th cockerel, 3d pen, five specials.

Indianapolis, 1903—1st cock, 1st cockerel, 1st, 2d pullet, 1st, 2d hen, 1st pen, 3 specials.

Chicago, Dec., 1903—1st cock, 1st, 3d, 4th hens, 1st pen, \$25 cup display.

St. Louis World's Fair—On 8 entries we beat the "World's Best," winning 1st, 2d cock, 3d hen, 6th chl., 6th pen. A remarkable victory.

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